



# कोल डायरेक्टरी ऑफ इंडिया

## 2020-21

### COAL DIRECTORY OF INDIA



OFFICE OF THE COAL CONTROLLER  
MINISTRY OF COAL  
GOVERNMENT OF INDIA

कोयला नियंत्रक का कार्यालय  
कोयला मंत्रालय  
भारत सरकार







**कोल डायरेक्टरी ऑफ इंडिया**  
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भारत सरकार**

# **COAL DIRECTORY OF INDIA 2020-21**

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संसदीय कार्य, कोयला एवं खान मंत्री  
भारत सरकार  
नई दिल्ली  
MINISTER OF PARLIAMENTARY AFFAIRS,  
COAL AND MINES  
GOVERNMENT OF INDIA  
NEW DELHI



### Message

India has a balanced energy basket and the coal sector is an important contributor to fulfilling nation's energy needs. The sector is not only committed to meet coal demand in the country but also sensitive towards building a sustainable ecosystem. Integration with newer green mining technologies, less polluting transportation methods are steps that shall help in reducing impact on climate. Sustainable mining practices will ensure that coal continue to play a key role in India's growth story.

Coal sector is the mainstay for India's electricity generation and is intricately connected with multiple sectors of the economy and livelihoods at the grassroots. It will play an important role while planning for Indian economy's way forward. Quality, reliable and accurate coal sector data and statistics, therefore, is imperative for effective data analysis and facilitates stakeholders to make well-informed decisions. The Coal Directory of India is a comprehensive document encapsulating the performance of the coal sector in 2020-21. The data provided in this publication would aid all stakeholders in undertaking this strategic exercise.

I sincerely hope and believe that this publication will be of immense help. I commend the officials of Ministry of Coal, especially the Coal Controller's Organization for this valuable resource.

Jai Hind!

Delhi

29<sup>th</sup> Dec, 2021

(Pralhad Joshi)



रावसाहेब पाटिल दानवे  
RAOSAHEB PATIL DANVE



राज्य मंत्री  
रेल, कोयला एवं खान  
भारत सरकार  
MINISTER OF STATE  
OF RAILWAYS, COAL & MINES  
GOVERNMENT OF INDIA



### MESSAGE

I am glad to pen a few words on the publication of Annual Coal Directory 2020-21 focusing on bringing the crucial data related to coal and lignite sector in one volume.

It is the intention of the Government of India to bring faster economic development to the aspiring regions of the country. Since these States are rich in resources, harnessing of these resources is crucial to the development of these States.

Commensurate with our Hon'ble Prime Minister's holistic vision of better governance to facilitate '*Ease of living with Ease of doing business*' the '*Transformative Idea of First Mile Connectivity*' project aims to ease the life of people residing in coal mine areas by reducing traffic congestion, road accidents, adverse effects on environment and health around coal mines, and by enhancing coal handling efficiently through employing alternate transport methods like mechanized conveyor system and computerized loading into railway rakes. As a matter of fact, coal companies have formulated a strategy to develop an integrated approach for eliminating road transportation of coal in the mines.

To eliminate substitutable quantities of imported coal in the country, we are focused in our efforts towards increasing the domestic coal supplies to all the consumers, rationalizing coal movements and incentivizing domestic coal consumption to achieve the goal of '*Atma Nirbhar Bharat*'.

I sincerely wish to congratulate the entire team at CCO for publishing this compilation and extend my best wishes to them. I wish that this publication will help the readers in getting a detailed overview and the necessary insights.

New Delhi  
05 January, 2022

(Raosaheb Patil Danve)



डॉ. अनिल कुमार जैन, भा०प्र०से०

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### MESSAGE

The coal sector in India is an integral part of economy and will continue to play an important role in ensuring energy access to our population and energy security to our industries.

The major activities that have been undertaken in the subsectors such as assessing available resource, continuous exploration, enhancing production through mechanisation and streamlining despatches have resulted in ensuring sustainable delivery of coal to power houses and industry, even through the pandemic times. Careful analysis of these activities would become even more important while managing the changing dynamics of the Indian Energy Scenario. The details of the performance of the coal mining industry have been comprehensively captured in the "Coal Directory 2020-21", an annual publication of the Coal Controller's Organisation.

Access to requisite data sets and statistics is essential for capturing trends, making realistic projections and for making evidence-based decisions. The statistics provided in the publication are a comprehensive, reliable, and updated database of the coal sector, covering an entire gamut of data from exploration, production, despatch, power, import, export and prices of Coal.

I compliment the efforts of the officers of Coal Controllers Organization, Ministry of Coal, in bringing out this publication that encapsulates the supply side as well as the demand side data of the entire coal value chain. I am sure this publication would be a valuable referral document for policymakers, planners, administrators, academicians, people from the industry and researchers working in the coal sector. I hope the readers get a detailed overview and necessary insights from this comprehensive repository of information.

Date: 30.12.2021

  
(Dr Anil Kumar Jain)

अनिल कुमार जैन / ANIL KUMAR JAIN  
सचिव / Secretary  
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MINISTRY OF COAL  
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### MESSAGE

India is the world's third largest energy consumer. It has the world's second largest population and is one of world's fastest growing economies. The twin pressures of economic growth and rising population are expected to propel future energy demands in India. The **"Coal Directory 2020-21"**, contains information on the coal and lignite sector of India for the past few years and the final information for the year 2020-21.

Various reforms in the sector, precipitate execution of projects aimed at enhancing production while endeavoring to ensure timely dispatches in a sustainable manner. I feel privileged to have been a part of this endeavor. The overall long-term demand of coal is closely linked to the performance of the end-use sectors. The coal sector reforms are not just about investments and improving coal production, rather these have the innate potential to usher in immense job opportunities and provide a boost to the Atmanirbhar Bharat Abhiyan. Amidst the situations, which nation faced, the coal industry has been relentlessly serving the nation and addressing the energy requirements in time. Fortunately, the country is blessed with abundance of non-coking coal and the consumers can confidently look forward for substituting their imported coal supplies with domestic coal.

I really appreciate the efforts of Coal Controller's Organization and the entire team led by Ms. Santosh Agarwal for making this publication see the light of the day. I am sure the stakeholders and scholars of the sector will find it useful.

New Delhi  
January, 2022

  
(Vinod Kumar Tiwari)



**M. Nagaraju, IAS**  
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04<sup>th</sup> January, 2022

### MESSAGE

India has emerged as the 2<sup>nd</sup> largest producer and consumer of coal and coal continues to play a key role in India's economic growth and development. The role of coal in future energy systems will be determined by the balancing of the priorities of energy security, energy equity, and environmental sustainability. India has taken several progressive coal reforms and their implementation will ensure India's energy security, sustainable development and commitment to protect the environment.

Coal Controller Organization has been at the forefront of the efforts aimed at helping Ministry of coal, related ministries, Government agencies, research bodies, planners and thinkers by facilitating easy access to a wide range of statistical information on the primary energy source of India.

I firmly believe that the publication of **Coal Directory 2020-21** will help in understanding the latest developments in India's energy, electricity and mining policies and regulatory settings, and that how these policies could impact the future of thermal coal in India.

I congratulate the entire team at CCO for publishing this compilation of huge data that I firmly believe will be of immense help to all the relevant stakeholders. I also wish to offer my sincere appreciation to all the officers and staff members of CCO who worked hard in bringing out this publication.

  
(M. Nagaraju)



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लोकनायक भवन  
**Lok Nayak Bhawan**



## FOREWORD

India is the second-largest consumer, importer, and producer of coal globally. Coal continues to be the most significant domestic source of energy supply. To this end, Indian mines produce more than 700 million tons of coal per year to meet the country's consumption of nearly one billion tons annually. The coal industry, apart from power generation, is also inherently linked to various sectors of the economy including steelmaking, cement, bricks etc.

The Coal Controller's Organization has been carrying out the task of collection and dissemination of data related to the coal and lignite sector of the country for past many years. The Coal Directory covers the entire spectrum of Indian coal data including exploration, production and productivity, dispatch and off-take, transportation, imports and exports, taxes and duties etc. Robust planning, supported by updated data on the sector, facilitates policymakers, researchers, industry incumbents in policy making and devising appropriate strategies. I believe that the publication would be useful to all relevant stakeholders.

I would like to thank the concerned Ministries/ Departments, Coal India Limited and its subsidiaries, other PSUs and private organizations involved in coal mining in India, for their cooperation and consistent support in furnishing the required information/ data for this publication. The international coal statistics have been compiled using data from International Energy Agency.

My sincere gratitude to the Hon'ble Minister Sri Prahlad Joshi, Secretary (MoC) and all senior officers for their able guidance. I also wish to congratulate and place on record my sincere appreciation to the Officers and staff of the Coal Controller's Organisation who contributed in bringing out this publication.

Suggestions for further improvement in content as well as design in the publication are solicited and would be appreciated.

New Delhi  
January, 2022

*Santosh*  
(Santosh)  
Coal Controller



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1

# Historical Perspective



# Section I

## A. Historical Perspective

### 1.1 Coal Sector in India

**1.1.1** Commercial use of coal in India is said to have started about two thousand years ago at places close to coal regions in the eastern part of the country. In 1774, Summer & Heatley applied to M/s. East India Company to raise coal in Raniganj coalfield along the Western Bank of river Damodar. However, coal mining did not receive adequate attention due to its inferior quality as compared to the quality of coal in UK. During this period production from coal mining activities were modest. However, coal mining received a thrust with the setting up of a rail link between Howrah and Raniganj in 1853.

**1.1.2** The monopoly of M/s. East India Company was abolished in 1813 and this paved way for rapid inroad of private commercial organizations in coal sector. In 1843, M/s. Bengal Coal Company Limited was registered as a first joint stock company. Steam engines were introduced during this period and demand of coal continued to grow.

**1.1.3** Since 1920, a number of commissions & committees made observations on the question of conservation and winning of coal, safety of mines etc. which led to introduction of regulations and controls of the coal industry, in some form or other, in India. All the regulations and controls were directed towards state ownership of the coal mines in the country. Singareni Collieries Company Limited (SCCL) established in 1920 as a public limited company, has the distinction of being the first Government owned Coal Company in the country in 1945. In fact, in 1945, Nizam of Hyderabad bought majority of the shares of the company and brought the company under the State of Hyderabad. From 1945 to 1949, the Hyderabad Construction Company Limited worked as Managing Agent of SCCL. In 1949 this function was entrusted to Industrial Trust Fund by the then Government of Hyderabad. Pursuant to the reorganization of States in 1956, the controlling interest of the company devolved on the Government of Andhra Pradesh. Thus, SCCL became a Government Company under the Companies Act in 1956. SCCL is now a joint undertaking of Government of Telangana and Government of India sharing its equity in 51:49 ratio.

**1.1.4** In 1956, National Coal Development Corporation (NCDC) came into existence as a Government of India

Undertaking with the collieries owned by the railways as its nucleus. During the sixties, the coal industry passed through a period of cheap availability of oil. The situation, however, took a radical turn in the seventies due to spiraling up of oil prices resulting in hike in coal demand.

### 1.2 Nationalisation of Coal Mines

**1.2.1** Coal mines in India were nationalised in 1972-73 with the objectives of reorganizing and restructuring of coal mines in the back drop of the then existing unsatisfactory mining conditions, violation of mine safety norms, industrial unrest, inadequate capital investments in mine development, reluctance to mechanize the mining, etc. It also aimed at meeting the long-range coal requirements of the country.

**1.2.2** The nationalisation was done in two phases, the first with the nationalization of the coking coal mines in 1971-72 and then with the nationalization of the non-coking coal mines in 1973. The Coking Coal Mines (Emergency Provisions) Ordinance was promulgated by the Government of India on 16.10.1971 under which except the captive mines of TISCO and IISCO, the management of all coking coal mines was taken over by the Government. A new company called Bharat Coking Coal Limited was formed as a subsidiary company of Steel Authority of India Limited to manage the taken over mines. These mines were subsequently nationalised w.e.f. 1.5.1972. Later on the management of 711 non-coking coal mines was also taken over by the Government with effect from 31.1.1973 and they were nationalised w.e.f. 1.5.1973 and a new Government Company namely, Coal Mines Authority Limited (CMAL) with headquarters at Calcutta, was set up by the Government in May, 1973 to manage the non-coking coal mines. The CMAL was organised as a unitary structure on divisional pattern with four Divisions, the Central Division, the Eastern Division, the Western Division and the CMPDIL. The mines of erstwhile National Coal Development Corporation were brought under the Central Division of the CMAL. In September, 1975 Coal India Limited (CIL) was formed as a Holding Company with five subsidiaries namely Bharat Coking Coal Limited (BCCL), Central Coalfields Limited (CCL), Eastern Coalfields Limited (ECL), Western Coalfields Limited (WCL) and Central Mine Planning and Design Institute Limited (CMPDIL).

**1.2.3** In view of the projected increase in production and investment contemplated for CCL and WCL group of coal mines and in view of their extensive geographical spread resulting in day to day administrative, technical and communication problems etc. two more coal companies, namely, Northern Coalfields Limited (NCL) with headquarters at Singrauli (Madhya Pradesh) and South Eastern Coalfields Limited (SECL) with headquarters at Bilaspur (Chhattisgarh) were formed w.e.f. 28.11.1985.

**1.2.4** Considering the prospects of Orissa Coalfields, being the growth center for the VIII and IX Plan periods, a new coal company was formed bifurcating South Eastern Coalfields Limited (SECL). The new company, Mahanadi Coalfields Limited (MCL) was incorporated on 3rd April, 1992 with its headquarter at Sambalpur (Orissa) as fully owned subsidiary of Coal India Limited to manage the Talcher and IB-Valley Coalfields in Orissa.

**1.2.5** CIL have now 8 subsidiaries viz. Bharat Coking Coal Limited (BCCL), Central Coalfields Limited (CCL), Eastern Coalfields Limited (ECL), Western Coalfields Limited (WCL), South Eastern Coalfields Limited (SECL), Northern Coalfields Limited (NCL), Mahanadi Coalfields Limited (MCL) and Central Mine Planning and Design Institute Limited (CMPDIL). The CMPDIL is an engineering, design and exploration company set up for preparing perspective plan(s), rendering consultancy services and undertaking exploration and drilling work to establish coal reserves in the country and collection of detailed data for preparation of projects for actual mining. The other seven subsidiaries of CIL are coal producing companies.

**1.2.6** CIL and its subsidiaries are incorporated under the Companies Act, 1956 and are wholly owned by the Central Government. The coal mines in Assam and its neighbouring areas are controlled directly by CIL under the unit North Eastern Coalfields.

### 1.3 Captive Coal Mining

**1.3.1** Coal Mines (Nationalisation) Act, 1973 already excluded from its purview the captive coal mines of TISCO, IISCO & DVC. Further, considering the need to provide boost to thermal power generation and for creating additional thermal power capacity during VIIIth Five-year Plan, the Government decided to allow private participation in the power sector. The Coal Mines (Nationalisation) Act, 1973 was amended on 9th June 1993 to allow coal mining by both private and public sectors for captive consumption for production of iron and steel, generation of power, washing of coal obtained from a mine and other end use, which would be notified by the Government from time to time. While cement production was allowed as an end use on w.e.f. 05.03.1996, latest amendment on 12.07.2007 made production of Syn-gas obtained from coal gasification

and coal liquefaction also as an end use. The restriction of captive mining does not apply to state-owned coal/mineral development undertakings like CIL, SCCL, Neyveli Lignite Corporation (NLC) coal blocks etc. and Mineral Development Corporations of the State Governments.

**1.3.2** Till date coal mining is kept under the purview of public sector except captive mining for the approved end use industries viz., iron and steel, power, cement, washing of coal and coal gasification and liquefaction. Role and contribution of private sector captive coal mining, which has been very insignificant till recent past, has now acquired significance. Government further decided in its new mining policy to allow the State Government companies and undertakings to go for coal and lignite mining without the earlier restriction of isolated small pockets only.

**1.3.3** The policy of the allotment of Captive Coal Blocks was adopted by the Government of India in the year 1993 and as per this policy by the end of 2013-14, out of total allocated 218 coal blocks, 80 coal blocks were de-allocated. Thus, at the end of 2013-14, 138 coal blocks remained allocated under the category of Captive Coal Block.

Subsequent to the order of the Hon'ble Supreme Court of India, 42 nos. of producing coal blocks [Schedule II coal mines as per the Coal Mines (Special Provisions) Ordinance, 2014 replaced by the Coal Mines (Special Provision) Act, 2015] were allowed to produce coal up to 31.03.2015. Thus total number of blocks stand allocated from 25.09.2014 to 31.03.2015 was 52 [42 + 10 earlier coal blocks].

**1.3.4** During the year 2014-15 by virtue of judgment dated 25.08.2014 read with the order dated 24.09.2014 of the Hon'ble Supreme Court of India, out of 218 captive coal blocks, allocation of 204 coal blocks were cancelled except allocation of 12 coal blocks for UMPPs and one coal block each allocated to NTPC and SAIL. Further, allocation of four coal blocks for UMPPs were cancelled in 2015-16. These consisted of Chhatrasal Coal Block, which was cancelled on 07.05.2015; and Meenakshi coal Block, consisting of Meenakshi, Meenakshi B and Dip side of Meenakshi blocks, which was cancelled on 15.12.2015. As on date 10 coal blocks allocated through earlier dispensations stand allocated.

As per Coal Mines (Special Provisions) Act, 2015, allocation of coal mines started by way of Public Auction or on the basis of Competitive Bids for Tariff.

Under the Mines and Minerals (Development and Regulation) (MMDR) Act, coal blocks are being allocated/vested to different companies.

In 2019-20, 29 Captive Coal Blocks that were vested/allotted, including 3 blocks that were under 'Not Cancelled' by Hon'ble Supreme Court, produced 61.296 MT of Coal.

Therefore, as on 31.03.2021, the number of coal blocks that exists is 130 (vested/ allotted - 126 + Custodian – 04).

## 1.4 Distribution and Marketing of Coal

**1.4.1** A new coal distribution policy (NCDP) has been notified on 18.10.2007 with an objective to meet the demand of coal from consumers of different sectors of the economy, both on short- and long-term basis, in an assured, sustained, transparent and efficient manner with built-in commercial discipline. Apart from meeting the requirement up to a satisfactory level through commercially enforceable Fuel Supply Agreement (FSA), it also provides for dedicated source of supply through State Government nominated agencies, for consumers in small and medium sector, whose annual requirement does not exceed 4200 metric tonnes. E-auction scheme has also been introduced to cater to some demands through e-auction.

**1.4.2** Salient features of the New Coal Distribution Policy:

1. Existing classification of core and non-core sector is dispensed with. Each sector/ consumer would be treated on merit keeping in view regulatory provision applicable thereto and coal will be supplied by CIL/SCCL through Fuel Supply agreement (FSA), a legally enforceable buyer-seller coal supply agreement.
2. Requirement of Defence and Railways will be made in full at notified price.
3. While for Power (utilities), including Independent Power Producers/ CPP and Fertilizer Sector, 100% of normative requirement of coal at notified price will be supplied, for other consumers this will be 75%.
4. Supply of coal to steel plants would be based on FSA and pricing would be on import parity pricing.
5. Consumers in small and medium sector, requiring coal less than 4200 tonnes annually will take coal either from state govt. notified agencies/NCCF/NSIC or from CIL/SCCL through FSA. CIL/SCCL will supply coal to the nominated agencies for such distribution.
6. A Standard Operating Procedure (SOP) has been put in place since February 2020 for proportionate reduction of linkage to the coal block allocatees on the basis of requirement of coal being met from allotted coal mines/blocks.
7. New consumers of Power (U) /IPP/ CPP/ Fertilizers/ Cement/ DRI plant will be issued Letter of Assurance (LOA), with a validity of 24 months, subject to prevailing norm, recommendation of concerned Ministry and 5% Earnest money deposit. On necessary progress of the plants, consumer may approach to CIL/SCCL for converting LOA into FSA.
8. Existing Standing Linkage Committee would continue to recommend LOA in respect of Power (U)/ IPP /CPP, Cement and Sponge Iron Plants including Steel.

## 1.5 Import of Coal

**1.5.1** Present import policy allows coal to be freely imported under Open General License by the consumers themselves considering their needs. Coking coal is imported by Steel sector and coke manufacturers mainly on availability and quality consideration. Coast based power stations and cement plants are also importing non-coking coal on consideration of transport logistics, commercial prudence. In 2019-2020, international prices of both coking and non-coking coal declined but in the first quarter of the year 2020 they picked up and remained stable. In case of India, import of both types of coal declined till around September 2019 and then picked up and remained more or less stable.

## 1.6 Notified Price of Coal

**1.6.1** Under the Colliery Control Order, 1945, the Central Government was empowered to fix the prices of coal grade-wise and colliery-wise. As per recommendations of Bureau of Industrial Costs and Prices and the Committee on Integrated Coal Policy, prices of different grades of coal had been subjected to deregulation since 22.03.1996, in a phased manner. The pricing of coal has been fully deregulated after the notification of the Colliery Control Order, 2000 in place of Colliery Control Order, 1945.

## B. Concepts, Definitions and Practices

### 1.7 Coal

Coal is a combustible sedimentary rock formed from ancient vegetation which has been consolidated between other rock strata and transformed by the combined effects of microbial action, pressure and heat over a considerable time period. This process is commonly called 'coalification'. Coal occurs as layers or seams, ranging in thickness from millimeters to many tens of metres. It is composed mostly of carbon (50–98 per cent), hydrogen (3–13 per cent) and oxygen, and smaller amounts of nitrogen, Sulphur and other elements. It also contains water and particles of other inorganic matter. When burnt, coal releases energy as heat which has a variety of uses.

### 1.8 Classification of Coal

**1.8.1** Coal refers to a whole range of combustible sedimentary rock materials spanning over a continuous quality scale. For convenience, this continuous series is often divided into two main categories, namely **Hard Coal** and **Brown Coal**. These are further divided into multiple subcategories as given below.

- **Hard Coal**
  - Anthracite
  - Bituminous coal
  - Coking coal
  - Other bituminous coal
- **Brown coal**
  - Sub-bituminous coal
  - Lignite

**1.8.2** In practice, hard coal is calculated as the sum of anthracite and bituminous coals. Anthracite is a high-rank, hard coal used mainly for industrial and residential heating. Bituminous coal is a medium-rank coal used for gasification, industrial coking and heating and residential heating. Bituminous coal that can be used in the production of a coke capable of supporting a blast furnace charge is known as **coking coal**. Other bituminous coal, not included under coking coal, is also commonly known as **thermal coal**. This also includes recovered slurries, middling and other low-grade, higher-rank coal products not further classified by type.

**1.8.3** Classifying different types of coal into practical categories for use at an international level is difficult because divisions between coal categories vary between classification systems, both nationally and

internationally, based on calorific value, volatile matter content, fixed carbon content, caking and coking properties, or some combination of two or more of these criteria.

**1.8.4** Although the relative value of the coals within a particular category depends on the degree of dilution by moisture and ash and contamination by sulphur, chlorine, phosphorous and certain trace elements, these factors do not affect the divisions between categories.

**1.8.5** The International Coal Classification of the Economic Commission for Europe (UNECE) recognizes two broad categories of coal:

- i) **Hard coal** – Coal of gross calorific value not less than 5700 kcal/kg (23.9 GJ/t) on an ash-free but moist basis and with a mean random reflectance of vitrinite of at least 0.6.
- ii) **Brown coal** – Non-agglomerating coal with a gross calorific value less than 5700 kcal/kg (23.9 GJ/t) containing more than 31% volatile matter on a dry mineral matter free basis.

**1.8.6** It should be stressed that the above classification system is based on the inherent qualities of the coal in question and not on the final use of the coal. In this way the classification system attempts to be objective and simple to apply.

### 1.9 Classification of Coal in India

**1.9.1** In India coal is broadly classified into two types – Coking and Non-Coking. The former constitutes only a small part of the total coal resources of the country. These two are further subdivided as follows on the basis of certain physical and chemical parameter as per the requirement of the industry.

**1.9.2 Coking Coal:** Coking coal, when heated in the absence of air, form coherent beads, free from volatiles, with strong and porous mass, called coke. Coking coal has coking properties and is mainly used in steel making and metallurgical industries.

**1.9.3 Semi Coking Coal:** Semi Coking Coal, when heated in the absence of air, form coherent beads not strong enough to be directly fed into the blast furnace. Such coal is blended with coking coal in adequate proportion to make coke. Clearly, Semi Coking Coal has comparatively fewer coking properties than coking coal. It is mainly used as blendable coal in steel making, merchant coke manufacturing and other metallurgical industries.

**1.9.4 Non-Coking Coal:** Non-Coking Coal does not have coking properties and is mainly used for power

generation. It is also used for cement, fertilizer, glass, ceramic, paper, chemical and brick manufacturing, and for other heating purposes.

**1.9.5 Washed Coal:** Processing of coal through water separation mechanism to improve the quality of coal by removing denser material (rocks) and high ash produces washed coal which has less ash, higher moisture, better sizing, better consistency, less abrasiveness, etc. The washed coking coal is used in manufacturing of hard coke for steel making. Washed non-coking coal is used mainly for power generation but is also used by cement, sponge iron and other industrial plants.

#### 1.9.6 Middlings and Rejects:

In the process of coal washing, apart from Clean Coal we also get two by-products, namely, Middlings and Rejects. Clean coal has low density whereas rejects have high density. Middlings have intermediate density. Rejects contain high ash, mineral impurities, fraction of raw coal feed, etc. and are used for Fluidized Bed Combustion (FBC) Boilers for power generation, road repairs, briquette (domestic fuel) making, land filling, etc. Middlings are fraction of raw coal feed having values of classificatory parameters between that of clean coals and rejects. It is used for power generation. It is also used by domestic fuel plants, brick manufacturing units, cement plants, industrial plants, etc.

**1.9.7 Hard Coke:** Solid product obtained from carbonisation of coal, used mainly in the iron & steel industry.

### 1.10 Categorisation of Coal in India

**1.10.1** In India, **coking coal** has been categorized or graded on the basis of ash content as per following scheme:

| Grade           | Ash Content             |
|-----------------|-------------------------|
| Steel Gr I      | Ash content < 15%       |
| Steel Gr II     | 15% ≤ Ash content < 18% |
| Washery Gr. I   | 18% ≤ Ash content < 21% |
| Washery Gr. II  | 21% ≤ Ash content < 24% |
| Washery Gr. III | 24% ≤ Ash content < 28% |
| Washery Gr. IV  | 28% ≤ Ash content < 35% |
| Washery Gr. V   | 35% ≤ Ash content < 42% |
| Washery Gr. VI  | 42% ≤ Ash content < 49% |

**1.10.2** In India, **semi coking coal** has been categorized or graded on the basis of ash and moisture content as per following scheme:

| Grade              | Ash + Moisture content |
|--------------------|------------------------|
| Semi coking Gr. I  | less than 19%          |
| Semi coking Gr. II | Between 19% and 24%    |

**1.10.3** In India, **non-coking coal** had been categorized or graded on the basis of Useful Heat Value (UHV) as per following scheme:

| Grade | Useful Heat Value          |
|-------|----------------------------|
| A     | UHV > 6200 KCal/Kg         |
| B     | 6200 ≥ UHV(KCal/Kg) > 5600 |
| C     | 5600 ≥ UHV(KCal/Kg) > 4940 |
| D     | 4940 ≥ UHV(KCal/Kg) > 4200 |
| E     | 4200 ≥ UHV(KCal/Kg) > 3360 |
| F     | 3360 ≥ UHV(KCal/Kg) > 2400 |
| G     | 2400 ≥ UHV(KCal/Kg) > 1300 |

#### N.B:

1. "Useful heat value" is defined as:

$$\text{UHV} = 8900 - 138 (A + M)$$

Where UHV = Useful heat value in KCal/kg,

A = Ash content (%);

M = Moisture content (%).

2. In the case of coal having moisture less than 2 percent and volatile content less than 19 percent the useful heat value shall be the value arrived as above reduced by 150 kilo calories per kilogram for each 1 percent reduction in volatile content below 19 percent fraction pro-rata.

3. Both moisture and ash are determined after equilibrating at 60 percent relative humidity and 40 degree C temperature.

4. Ash percentage of coking coals and hard coke shall be determined after air drying as per IS: 1350 - 1959. If the moisture so determined is more than 2 per cent, the determination shall be after equilibrating at 60 percent relative humidity at 40 degree C temperature as per IS: 1350 - 1959.

**1.10.4** In order to adopt the best international practices, India decided to switch over from the grading based on Useful Heat Value (UHV) to the grading based on Gross Calorific Value (GCV) and therefore on 16.01.2011 the Ministry of Coal notified the switch over. As per the new system, following nomenclature has been introduced for gradation of **non-coking coal**.

| Grades | GCV Range (Kcal/Kg)     |
|--------|-------------------------|
| G1     | GCV exceeding 7000      |
| G2     | GCV between 6701 & 7000 |
| G3     | GCV between 6401 & 6700 |
| G4     | GCV between 6101 & 6400 |
| G5     | GCV between 5801 & 6100 |

|     |                         |
|-----|-------------------------|
| G6  | GCV between 5501 & 5800 |
| G7  | GCV between 5201 & 5500 |
| G8  | GCV between 4901 & 5200 |
| G9  | GCV between 4601 & 4900 |
| G10 | GCV between 4301 & 4600 |
| G11 | GCV between 4001 & 4300 |
| G12 | GCV between 3700 & 4000 |
| G13 | GCV between 3400 & 3700 |
| G14 | GCV between 3101 & 3400 |
| G15 | GCV between 2801 & 3100 |
| G16 | GCV between 2501 & 2800 |
| G17 | GCV between 2201 & 2500 |

**1.10.5** Based on the GCV ranges of proposed gradation and erstwhile gradation, a concordance table is generated for better understanding. However, it may be noted that this concordance does not depict exact one-to-one relation between the two systems.

| Table 5: Concordance Table |                          |
|----------------------------|--------------------------|
| Old Grading based on UHV   | New Grading based on GCV |
| A                          | G1                       |
|                            | G2                       |
|                            | G3                       |
| B                          | G4                       |
|                            | G5                       |
| C                          | G6                       |
| D                          | G7                       |
|                            | G8                       |
| E                          | G9                       |
|                            | G10                      |
| F                          | G11                      |
|                            | G12                      |
| G                          | G13                      |
|                            | G14                      |
| Non-coking Coal Ungraded   | G15                      |
|                            | G16                      |
|                            | G17                      |

## 1.11 Some General Concepts

**1.11.1 Run-of-Mine (ROM) Coal:** The coal delivered from the mine to the Coal Preparation Plant (CPP) is called run-of-mine (ROM) coal. This is the raw material

for the CPP and consists of coal, rocks, middlings, minerals and contamination. Contamination is usually introduced by the mining process and may include machine parts, used consumables and parts of ground engaging tools. ROM coal can have a large variability of moisture and particle size.

**1.11.2 Opencast Mining:** Open-pit mining, open-cut mining or opencast mining is a surface mining technique of extracting rock or minerals from the earth by their removal from an open pit or borrow. This form of mining differs from extractive methods that require tunneling into the earth such as long wall mining. Open-pit mines are used when deposits of commercially useful minerals or rock are found near the surface; that is, where the overburden (surface material covering the valuable deposit) is relatively thin or the material of interest is structurally unsuitable for tunneling (as would be the case for sand, cinder, and gravel). For minerals that occur deep below the surface - where the overburden is thick or the mineral occurs as veins in hard rock - underground mining methods extract the valued material.

**1.11.3 Underground Mining of Coal:** It refers to a group of underground mining techniques such as Longwall Mining, Room-And-Pillar Mining, etc. used to extract coal from sedimentary ("soft") rocks in which the overlying rock is left in place, and the mineral (coal) is removed through shafts or tunnels.

**1.11.4 Stripping Ratio:** In mining, stripping ratio or strip ratio refers to the ratio of the volume of overburden (waste materials) required to be handled in order to extract some tonnage of coal. For example, a 3:1 stripping ratio means that mining one tonnes of coal will require mining three tonnes of waste materials. This is a phenomenon related to mainly Opencast (OC) mining which requires removal of overburden prior to extraction of coal. Underground mining operations tend to have lower stripping ratio due to increased selectivity.

**1.11.5 Output Per Man Shift (OMS):** Productivity means the ratio between input and output and can be interpreted in different ways in different contexts. In case of production of coal, we use Output per Man Shift (OMS). This is defined (in Tonnes) as the ratio of Production (in Million Tonnes) to Manshift (in Millions).

**1.11.6 Despatch and Off-take:** The term "Despatch" (say, of raw coal) is used in this compilation to mean all the despatch of coal to different sectors but exclude collieries' own consumption (boiler coal used in collieries and supply to employees). On the other hand, "Off-take" means total quantity of raw coal used/ lifted for consumption and naturally includes collieries own consumption. Therefore, Off-take = Despatch + Colliery Consumption.

**1.11.7 Change of Stock:** Change of Stock means the difference between opening and closing stock of an item.

**1.11.8 Pit-Head Stock:** The term "Pit-head Closing Stock" of raw coal is used in this compilation to mean all the raw coal stock at pit-head of collieries.

**1.11.9 Pit-head Value:** Pit-head Value of coal is the value of coal at pit-head of the colliery. It is computed on the basis of base price and therefore it does not involve any cost of loading, transportation from pit-head, Cess, Royalty, GST, etc. This approach is followed by all non-captive coal companies, viz., CIL Subsidiaries, The Singareni Collieries Companies Ltd. (SCCL), Jharkhand State Mineral Development Corporation Ltd. (JSMDCL) and Jammu & Kashmir Mineral Ltd. (JKML).

**1.11.9.1** In case of captive collieries, pit-head value of coal depends upon their accounting policy. If the costing of coal is done on no-profit-no-loss basis then pit-head value is calculated accordingly. This practice is found to be followed in captive collieries of public sector units.

**1.11.9.2** On the other hand, if the captive colliery is treated as independent commercial unit then pit-head value is calculated on the basis of unit value of realization, which includes cost price and profit/loss per unit but excludes any transportation cost from pit-head, Cess, Royalty, GST, etc. This is particularly followed in private captive colliery which is in contract to supply coal to any priority sector for which captive colliery is permitted (Steel, Iron, Power, Cement, etc.).

**1.11.9.3** Even there are private sector collieries being managed by the parent company engaged in manufacturing of Steel and Iron, Power, Cement for

which captive collieries are allowed. Due to non-availability of value figures from these companies, pit-head value of coal is determined on the basis of nearest Coal India Subsidiary price rate considering comparable grade and location. Though this may not be a correct price and would not depict a true picture, yet we use it because this is one of the acceptable estimates.

**1.11.9.4** While using value data it is to be kept in mind that these data are useful for macro-level study or trend study. However, the quality of coal has been deteriorating over the years, quite inversely proportional to the open cast production share in the total production. Thus, the comparison of unit value over the years would not reflect correct picture of inflation until this deteriorating effect of quality is not considered and that effect is removed.

**1.11.9.5** It may be concluded that, in India, unit value (Rs.) of coal in terms per kilo calorie useful heat value has been increasing more rapidly than being exhibited by simple unit value comparison over the years.

## 1.12 Commodity Classification

**1.12.1** For export import data, the 8-digit codes of Indian Trade Classification (based on Harmonized Coding System) have been adopted by DGCI&S in classifying the various grades of coal and coal products. For Coking coal, the only 8-digit code is "27011910" and all other codes of coal are taken as non-coking coal (Mainly pertains to remaining part of 2701, some parts of 2702 & 2703). Similarly, for all items in 2704 group has been taken under coke. The effect of retort carbon is negligible and included under coke.

# Highlights

## 1. Production

In the year 2020-21, the total production of raw coal in India was 716.083 MT whereas it was 730.874 MT in 2019-20. Thus in 2020-21, production of coal decreased by 2.02 % in comparison to 2019-20. In the year 2020-21 production of lignite was 37.895 MT against 42.096 MT in 2019-20, thus in 2020-21 lignite production decreased by 9.98% against 2019-20. [Ref: Table 3.1]

The contribution of Public Sector and Private Sector in the production of Raw Coal in 2020-21 was as follows: [Ref: Table 3.10]

| Production of Raw Coal in 2020-21 (MT) |               |                |                |
|----------------------------------------|---------------|----------------|----------------|
| Sector                                 | Coking        | Non-Coking     | Total Coal     |
| Public                                 | 38.934        | 647.016        | <b>685.950</b> |
| Private                                | 5.853         | 24.280         | <b>30.133</b>  |
| <b>All India</b>                       | <b>44.787</b> | <b>671.296</b> | <b>716.083</b> |

The production of coking coal in 2020-21 was 44.787 MT whereas it was 52.936 MT in 2019-20, thus registering a negative growth of 15.39%. In 2020-21, the production of non-coking coal was 671.296 MT whereas it was 677.938 MT in 2019-20, showcasing a negative growth of 0.98%. [Ref Table: 3.2].

In 2020-21, the production of washed coal (coking) was 4.518 MT which decreased by 14.51% when compared with the previous year. In 2020-21, production of middling (coking) was 3.623 MT whereas in 2019-20, the quantity was 3.547 MT, hence, an increment of 2.14% was observed. [Ref Table: 3.3]

In 2020-21, Chhattisgarh registered the highest coal production of 158.410 MT (22.12%), followed by Odisha 154.151 MT (21.53%), Madhya Pradesh 132.531 MT (18.51%) and Jharkhand 119.295 MT (16.66%). In 2020-21, Tamil Nadu was the largest producer of lignite and produced 18.026 MT (47.57%) followed by Gujarat

10.813 MT (28.53%) and Rajasthan 9.056 MT (23.90%). [Ref Table: 3.8 & 3.9]

Coal India Limited produced 596.221 MT (83.26%) and SCCL 50.580 MT (7.06%) of coal in 2020-21. In that year, main producer of lignite was Neyveli Lignite Corporation that produced 19.263 MT (50.83%). [Ref Table: 3.10]

Like previous years, in 2020-21, Jharkhand produced the maximum coking coal in India, 44.387 MT which was 99.10% of total coking coal production (44.787). Chhattisgarh was the highest non-coking coal producing state, producing 158.191 MT (23.57%) of the total non-coking production of 671.296 MT, followed by Odisha which produced 154.151 MT (22.96%) and Madhya Pradesh 132.350 MT (19.72%). [Ref Table: 3.11 & 3.8]

In 2020-21, around 95.50% of coal production in India was from Open Cast mines (683.872MT) and the rest 4.50% was from Underground mines (32.211 MT). [Ref Table: 3.19]. MCL produced highest quantity of coal from Open Cast mines, 147.478 MT (21.57%) followed by SECL which produced 138.430 MT (20.24%). SECL produced highest quantity of coal from Underground mines, 12.176 MT (29.94%) followed by ECL which produced 9.309MT (22.89%). [Ref Table: 3.20]

Overall stripping ratio for the year 2020-21 was 2.67 (stripping ratio is defined as the ratio of overburden removal to coal produced in open cast mining.) [Ref Table 3.22]

Productivity (OMS) of Open Cast mines in 2020-21 was 19.42 Tonnes for CIL and 13.86 Tonnes for SCCL. OMS for Underground mines of CIL was 0.93 Tonnes and for SCCL was 0.92 Tonnes. (OMS is the output measured in tonnes per unit of man-shift) [Ref Table: 3.23].

## 2. Despatch

In the year 2020-21, despatch of indigenous raw coal was 690.884 MT against 707.176 MT in 2019-20, thus showing a decrease of 2.30%. In 2020-21, despatch of lignite was 38.492 MT against 42.267 MT in 2019-20, thus showing a negative growth of 8.93%. [Ref Table: 4.1]

The contribution of Public Sector and Private Sector in the despatch of raw coal in 2020-21 was as follows: [Ref Table: 4.10]

| Despatch of Raw Coal in 2020-21 (MT) |               |                |                |
|--------------------------------------|---------------|----------------|----------------|
| Sector                               | Coking        | Non-coking     | Total Coal     |
| Public                               | 38.150        | 622.995        | <b>661.145</b> |
| Private                              | 5.850         | 23.889         | <b>29.739</b>  |
| <b>All India</b>                     | <b>44.000</b> | <b>646.884</b> | <b>690.884</b> |

Despatch of coking coal decreased to 44.000 MT in 2020-21 from 50.656 MT in 2019-20, thus, showing a negative growth of 13.14% over 2019-20. [Ref: Table 4.10].

In 2020-21, despatch of non-coking coal 646.884 MT whereas it was 656.520 MT in 2019-20, thus decreasing by 1.47%. [Ref Table: 4.10]

In 2020-21, despatch of washed coal (coking) was 4.458 MT against 5.305 MT in 2019-20, thus decreasing by 15.97%. In 2020-21, despatch of middling (coking) was 3.168 MT against 3.591 MT in 2019-20, thus decreasing by 11.78%. [Ref Table: 4.3]

In 2020-21, major quantity of coal was despatched from Odisha 151.911 MT (21.99%) followed by Chhattisgarh 146.253 MT (21.17%), Jharkhand 122.238 MT (17.07%), Madhya Pradesh 105.384 MT (15.25%) and Telangana 50.533 MT (7.31%). [Ref Table: 4.8]

In case of lignite despatch, Tamil Nadu had the highest share of 18.516 MT (48.10%) followed by Gujarat 10.819 MT (28.11%) and Rajasthan 9.157 MT (23.79%). [Ref Table: 4.9]

Out of the total despatch of raw coal in 2020-21, despatch of CIL was 573.628 MT (83.03%) and SCCL 48.513 MT (7.02%). Among the other PSUs maximum coal was despatched by RRVUNL 15.00 MT. Despatch of coal from private sector was 29.739 MT in which SPL had the largest share of 18.067 MT followed by TSL 5.850 MT. [Ref Table: 4.10]

Power Sector (Utility) continued to be the largest user of coal. In 2020-21, coal despatched to power sector was 581.233 MT compared to 626.149 MT in 2019-20. Coal despatched to steel sector was 8.975 MT in 2020-21 and 11.908 MT in 2019-20. Coal despatched to cement sector was 6.754 MT in 2020-21 compared to 8.569 MT in 2019-20 [Ref Table: 4.31]

## 3. Pit Head Closing Stock

Pit-head closing stock of raw coal at the end of 2020-21 was 109.060 MT against 81.432 MT in 2019-20. Closing Stock of lignite at the end of 2020-21 was 4.981 MT whereas it was 5.495 MT at the end of 2019-20. [Ref Table: 5.1]. Out of total closing stock at the end of 2020-21, share of public sector was 107.804 MT (98.52%). [Ref Table: 5.6]

At the end of 2020-21, Pit-head closing stock of coking coal was 7.229 MT against 6.422 MT at the end of 2019-20 MT and pit-head closing stock of non-coking coal was 101.831 MT against 75.010 at the end of 2019-20. [Ref Table: 5.2].

## 4. Import and Export

In 2020-21, total import of coal was 215.251 MT compared to 248.537 MT in 2019-20, thus showing a decrease of 13.39%. In 2020-21, import of coking coal was 51.198 MT compared to 51.833 MT in 2019-20, showing a decrease of 1.22%. Import of non-coking coal was 164.054 MT in 2020-21 compared to 196.704 MT in 2019-20, depicting a decrease of 16.60%. [Ref Table: 7.1]

In 2020-21, coal was mainly imported from countries such as Indonesia (92.535 MT), Australia (54.953 MT), South Africa (31.093 MT), U.S. (12.204 MT), Russia (6.749 MT) and Mozambique (3.570 MT). [Ref Table: 7.3]

In 2020-21, coal was mainly imported through ports such as Visakhapatnam Sea (11.172 MT), Kolkata Sea (12.533 MT), Sez Mundra (13.995 MT), Kandla Sea (15.974 MT), Dhamra Chandbali (15.268 MT), Mundra (16.496 MT), Gangavaram port (17.478 MT), Paradip Sea (17.090 MT), Krishnapatnam (18.323 MT), and among others. [Ref Table: 7.5]

In 2020-21, export of coal was 2.945 MT compared to 1.047 MT in 2019-20. Coal was mainly exported to Bangladesh (0.665 MT) and Nepal (2.201 MT). [Ref Table: 7.2]

## 5. Captive Coal & Lignite Blocks

In 2020-21, 32 Captive Coal Blocks that were vested/allotted, including 3 blocks that were under 'Not Cancelled' by Hon'ble Supreme Court, produced 66.35 MT of Coal.

Therefore, as on 31.03.2021, the number of coal blocks that exists is 130 (vested/ allotted - 126 + Custodian - 04).

The number of lignite blocks that stands allocated as on 31.03.2021, is 23.

## 6. Geological Coal Reserve

As per Geological Survey of India, geological reserve of coal in India as on 01.04.2021 was 3,52,126 Million Tonnes. The type wise break up of coal reveals that reserve of coking coal (prime, medium and semi-coking) was 35,100 Million Tonnes and non-coking coal was 3,17,026 Million Tonnes.

Total coal extracted since 1950 up to 2020-21 was around 1,72,96,896 Thousand Tonnes.

## 7. Comparison between Provisional and final figures

The following statement shows comparison between Provisional and Final figures of Production and Despatch of Coal and Lignite during Last Ten Years.

| Year                        | Item        | Production   |                 |            |         | Despatch    |                 |            |         |
|-----------------------------|-------------|--------------|-----------------|------------|---------|-------------|-----------------|------------|---------|
|                             |             | (Qty. in MT) |                 |            |         |             |                 |            |         |
|                             |             | Coking Coal  | Non Coking Coal | Total Coal | Lignite | Coking Coal | Non Coking Coal | Total Coal | Lignite |
| 2011-12                     | Provisional | 51.654       | 488.286         | 539.940    | 43.105  | 51.528      | 483.624         | 535.152    | 42.500  |
|                             | Actual      | 51.660       | 488.290         | 539.950    | 42.332  | 51.723      | 483.576         | 535.299    | 41.883  |
|                             | Change(A-P) | 0.01%        | 0.00%           | 0.00%      | -1.79%  | 0.38%       | -0.01%          | 0.03%      | -1.45%  |
| 2012-13                     | Provisional | 51.834       | 505.873         | 557.707    | 46.598  | 55.212      | 514.555         | 569.767    | 46.312  |
|                             | Actual      | 51.582       | 504.820         | 556.402    | 46.453  | 55.859      | 511.277         | 567.136    | 46.313  |
|                             | Change(A-P) | -0.49%       | -0.21%          | -0.23%     | -0.31%  | 1.17%       | -0.64%          | -0.46%     | 0.00%   |
| 2013-14                     | Provisional | 56.818       | 508.948         | 565.766    | 44.271  | 58.302      | 512.949         | 571.251    | 43.897  |
|                             | Actual      | 56.818       | 508.947         | 565.765    | 44.271  | 58.464      | 513.596         | 572.060    | 43.897  |
|                             | Change(A-P) | 0.00%        | 0.00%           | 0.00%      | 0.00%   | 0.28%       | 0.13%           | 0.14%      | 0.00%   |
| 2014-15                     | Provisional | 57.451       | 554.984         | 612.435    | 48.257  | 56.614      | 551.016         | 607.630    | 46.941  |
|                             | Actual      | 57.446       | 551.733         | 609.179    | 48.270  | 56.438      | 547.334         | 603.772    | 46.954  |
|                             | Change(A-P) | -0.01%       | -0.59%          | -0.53%     | 0.03%   | -0.31%      | -0.67%          | -0.63%     | 0.03%   |
| 2015-16                     | Provisional | 60.887       | 578.347         | 639.234    | 43.843  | 59.213      | 572.956         | 632.169    | 42.212  |
|                             | Actual      | 60.887       | 578.343         | 639.230    | 43.842  | 59.213      | 573.229         | 632.442    | 42.211  |
|                             | Change(A-P) | 0.00%        | 0.00%           | 0.00%      | 0.00%   | 0.00%       | 0.05%           | 0.04%      | 0.00%   |
| 2016-17                     | Provisional | 61.661       | 601.131         | 662.792    | 45.230  | 59.545      | 590.774         | 650.319    | 43.155  |
|                             | Actual      | 61.661       | 596.207         | 657.868    | 45.230  | 59.308      | 586.670         | 645.978    | 43.155  |
|                             | Change(A-P) | 0.00%        | -0.82%          | -0.74%     | 0.00%   | -0.40%      | -0.69%          | -0.67%     | 0.00%   |
| 2017-18                     | Provisional | 40.147       | 635.253         | 675.400    | 46.255  | 45.380      | 642.451         | 687.831    | 45.929  |
|                             | Actual      | 40.148       | 635.252         | 675.400    | 46.644  | 45.380      | 644.623         | 690.003    | 46.317  |
|                             | Change(A-P) | 0.00%        | 0.00%           | 0.00%      | 0.84%   | 0.00%       | 0.34%           | 0.32%      | 0.84%   |
| 2018-19                     | Provisional | 41.132       | 687.586         | 728.718    | 44.283  | 43.318      | 689.476         | 732.794    | 45.811  |
|                             | Actual      | 41.132       | 687.586         | 728.718    | 44.283  | 43.318      | 689.476         | 732.794    | 45.811  |
|                             | Change(A-P) | 0.00%        | 0.00%           | 0.00%      | 0.00%   | 0.00%       | 0.00%           | 0.00%      | 0.00%   |
| 2019-20                     | Provisional | 52.937       | 677.936         | 730.873    | 42.103  | 50.656      | 656.114         | 706.770    | 42.267  |
|                             | Actual      | 52.936       | 677.938         | 730.874    | 42.096  | 50.656      | 656.520         | 707.176    | 42.267  |
|                             | Change(A-P) | 0.00%        | 0.00%           | 0.00%      | -0.02%  | 0.00%       | 0.06%           | 0.06%      | 0.00%   |
| 2020-21                     | Provisional | 44.787       | 671.297         | 716.084    | 36.614  | 44.001      | 646.887         | 690.888    | 37.220  |
|                             | Actual      | 44.787       | 671.296         | 716.083    | 37.895  | 44.000      | 646.884         | 690.884    | 38.492  |
|                             | Change(A-P) | 0.00%        | 0.00%           | 0.00%      | 3.50%   | 0.00%       | 0.00%           | 0.00%      | 3.42%   |
| N.B: F=Final, P=Provisional |             |              |                 |            |         |             |                 |            |         |

N.B: F=Final, P=Provisional

Chart 1.1: Trend of Production of Primary Conventional Energy Forms in India

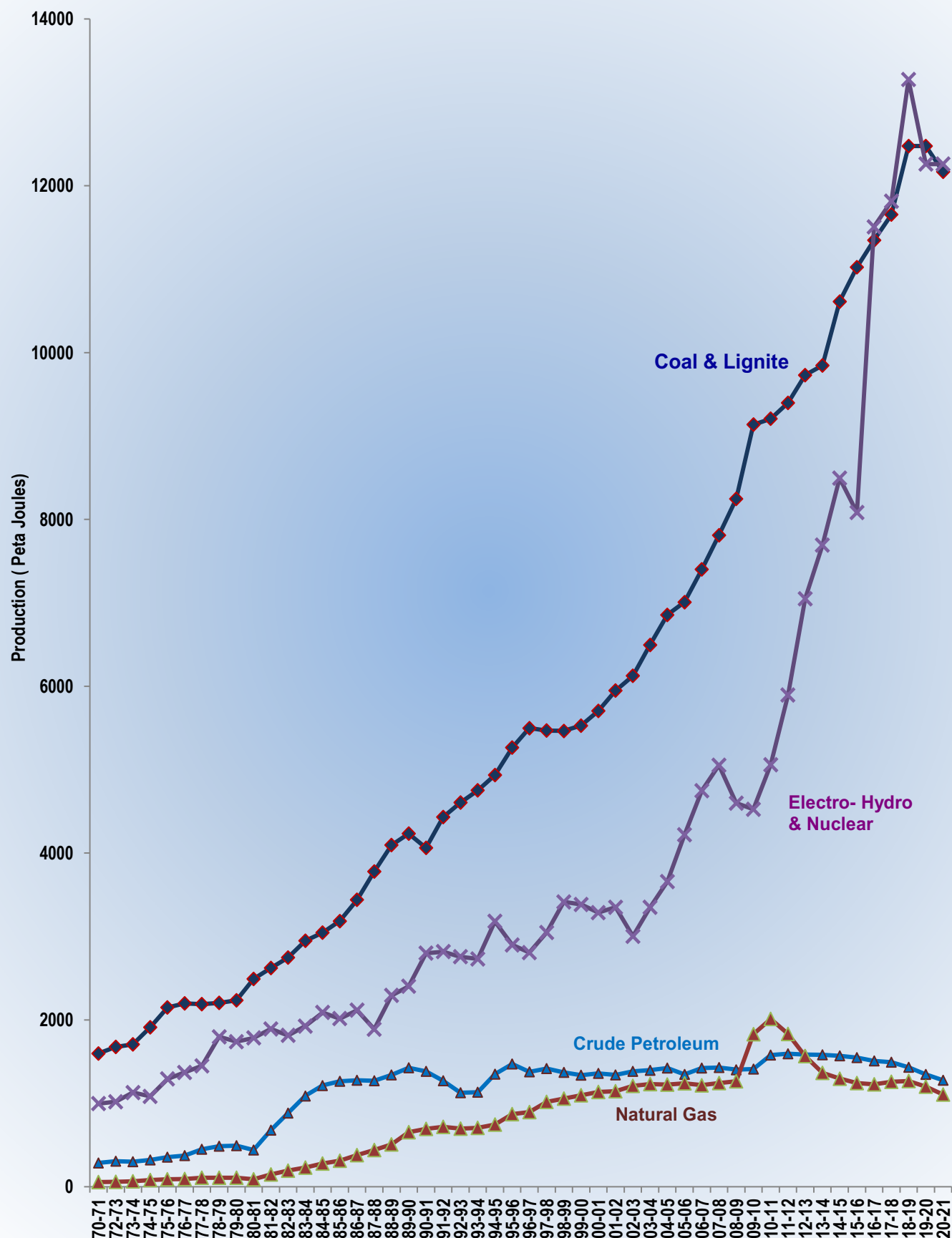


Table -1.1: Growth of India's Coal Sector at a Glance

| Sl. No. | Item                                                    | Unit           | 2016-17    | 2017-18    | 2018-19    | 2019-20    | 2020-21    |
|---------|---------------------------------------------------------|----------------|------------|------------|------------|------------|------------|
| (1)     | (2)                                                     | (3)            | (4)        | (5)        | (6)        | (7)        | (8)        |
| 1       | Reserves (Proved)                                       |                |            |            |            |            |            |
|         | (i) Coking Coal                                         | Million Tonnes | 18634.350  | 19081.960  | 20062.740  | 20062.740  | 20169.030  |
|         | (ii) Non Coking                                         |                | 124423.360 | 129705.470 | 135551.670 | 143398.100 | 157009.910 |
|         | (iii) Lignite                                           |                | 6540.710   | 6540.710   | 6787.530   | 6787.530   | 7374.100   |
| 2       | Despatch :                                              |                |            |            |            |            |            |
|         | (i) Coal                                                | Million Tonnes | 645.978    | 690.003    | 732.794    | 707.176    | 690.884    |
|         | (ii) Lignite                                            |                | 43.155     | 46.317     | 45.810     | 42.267     | 38.492     |
|         | (iii) Coal Products*                                    |                | 43.173     | 37.026     | 40.566     | 42.224     | 40.259     |
| 3       | Production :                                            |                |            |            |            |            |            |
|         | (i) Coal                                                | Million Tonnes | 657.868    | 675.400    | 728.718    | 730.874    | 716.083    |
|         | (ii) Lignite                                            |                | 45.230     | 46.644     | 44.283     | 42.096     | 37.895     |
|         | (iii) Coal Products*                                    |                | 45.065     | 37.291     | 42.617     | 42.579     | 40.475     |
| 4       | Imports                                                 |                |            |            |            |            |            |
|         | (a) Quantity: Coal                                      | Million Tonnes | 191.009    | 208.249    | 235.348    | 248.537    | 215.251    |
|         | Coal Products                                           |                | 3.072      | 4.356      | 4.585      | 4.931      | 2.875      |
|         | Lignite                                                 |                | 0.019      | 0.010      | 0.019      | 0.054      | 0.019      |
|         | Total (a)                                               |                | 194.099    | 212.615    | 239.952    | 253.522    | 218.145    |
|         | (b) Value: Coal                                         | Million Rupees | 1003073.30 | 1384769.77 | 1709204.90 | 1527320.55 | 1160240.54 |
|         | Coal Products                                           |                | 32683.54   | 54019.35   | 91524.74   | 120644.85  | 60256.67   |
|         | Lignite                                                 |                | 433.29     | 116.50     | 403.43     | 1074.46    | 409.24     |
|         | Total (a)                                               |                | 1036190.13 | 1438905.62 | 1801133.08 | 1649039.86 | 1220906.46 |
| 5       | Exports                                                 |                |            |            |            |            |            |
|         | (a) Quantity: Coal                                      | Million Tonnes | 1.773      | 1.504      | 1.306      | 1.030      | 2.945      |
|         | Coal Products                                           |                | 0.089      | 0.107      | 0.025      | 0.022      | 0.025      |
|         | Lignite                                                 |                | 0.005      | 0.004      | 0.079      | 0.093      | 0.187      |
|         | Total (a)                                               |                | 1.867      | 1.615      | 1.410      | 1.144      | 3.158      |
|         | (b) Value: Coal                                         | Million Rupees | 9669.247   | 8783.032   | 9499.868   | 5832.074   | 5736.023   |
|         | Coal Products                                           |                | 1063.426   | 1726.213   | 228.086    | 224.421    | 311.913    |
|         | Lignite                                                 |                | 305.117    | 292.561    | 2233.191   | 2480.978   | 4778.670   |
|         | Total (b)                                               |                | 11037.789  | 10801.806  | 11961.146  | 8537.473   | 10826.606  |
| 6       | Unit Value of Coal Imports (gr.)                        | Rs./Tonne      | 5251       | 6650       | 7262       | 6145       | 5390       |
| 7       | India's Total Exports                                   | Million Rupees | 17561659   | 19684600   | 23077262   | 22198542   | 29159577   |
| 8       | India's Total Imports                                   | Million Rupees | 24063319   | 29878550   | 35946746   | 33609545   | 21590432   |
| 9       | (i) Coal imports as percentage of India's total import  | %              | 4.31%      | 4.82%      | 5.01%      | 4.91%      | 5.65%      |
|         | (ii) Coal exports as percentage of India's total export | %              | 0.06%      | 0.05%      | 0.05%      | 0.04%      | 0.04%      |

\* Coal Products include Washed coal, Middlings and Hard coke produced from washeries owned by collieries and integrated steel plant.

Source: DGCI & S, Kolkata /Coal Companies/GSI

Table -1.2: Production of Primary Sources of Conventional Energy in India

| Year  | Coal & Lignite* |               | Crude Petroleum |               | Natural Gas  |               | Electricity-hydro & Nuclear |               | Total Energy  |
|-------|-----------------|---------------|-----------------|---------------|--------------|---------------|-----------------------------|---------------|---------------|
|       | (Th. Tonnes)    | (Peta joules) | (Th. Tonnes)    | (Peta joules) | (Mill. Cum.) | (Peta joules) | (GWH)                       | (Peta joules) | (Peta joules) |
| (1)   | (2)             | (3)           | (4)             | (5)           | (6)          | (7)           | (8)                         | (9)           | (10)          |
| 70-71 | 76340           | 1598          | 6822            | 286           | 1445         | 56            | 27665                       | 996           | 2936          |
| 72-73 | 80110           | 1677          | 7321            | 307           | 1565         | 60            | 28329                       | 1020          | 3064          |
| 73-74 | 81490           | 1706          | 7189            | 301           | 1713         | 66            | 31368                       | 1129          | 3202          |
| 74-75 | 91350           | 1912          | 7684            | 322           | 2041         | 79            | 30081                       | 1083          | 3396          |
| 75-76 | 102660          | 2149          | 8448            | 354           | 2368         | 91            | 35928                       | 1293          | 3887          |
| 76-77 | 105010          | 2198          | 8898            | 373           | 2428         | 94            | 38088                       | 1371          | 4036          |
| 77-78 | 104560          | 2188          | 10763           | 451           | 2839         | 109           | 40279                       | 1450          | 4198          |
| 78-79 | 105250          | 2203          | 11633           | 487           | 2812         | 108           | 49929                       | 1797          | 4595          |
| 79-80 | 106840          | 2236          | 11766           | 493           | 2767         | 107           | 48354                       | 1740          | 4576          |
| 80-81 | 119020          | 2491          | 10507           | 440           | 2358         | 91            | 49543                       | 1784          | 4806          |
| 81-82 | 131240          | 2622          | 16194           | 678           | 3851         | 148           | 52586                       | 1893          | 5341          |
| 82-83 | 137530          | 2748          | 21063           | 882           | 4936         | 192           | 50396                       | 1814          | 5636          |
| 83-84 | 147539          | 2948          | 26020           | 1089          | 5961         | 230           | 53500                       | 1926          | 6193          |
| 84-85 | 155277          | 3047          | 28990           | 1214          | 7241         | 279           | 58023                       | 2089          | 6629          |
| 85-86 | 162336          | 3185          | 30168           | 1263          | 8134         | 313           | 56003                       | 2016          | 6777          |
| 86-87 | 175290          | 3439          | 30480           | 1276          | 9853         | 380           | 58862                       | 2116          | 7211          |
| 87-88 | 192551          | 3778          | 30357           | 1271          | 11467        | 442           | 52479                       | 1889          | 7380          |
| 88-89 | 208820          | 4097          | 32040           | 1342          | 13217        | 509           | 63685                       | 2293          | 8241          |
| 89-90 | 215724          | 4233          | 34087           | 1427          | 16988        | 654           | 66741                       | 2403          | 8717          |
| 90-91 | 228131          | 4063          | 33021           | 1383          | 17998        | 693           | 77782                       | 2800          | 8939          |
| 91-92 | 248805          | 4431          | 30346           | 1271          | 18645        | 718           | 78281                       | 2818          | 9238          |
| 92-93 | 258615          | 4606          | 26950           | 1128          | 18060        | 696           | 76596                       | 2757          | 9187          |
| 93-94 | 266785          | 4751          | 27026           | 1132          | 18335        | 706           | 75860                       | 2731          | 9320          |
| 94-95 | 277080          | 4935          | 32239           | 1350          | 19468        | 747           | 88360                       | 3181          | 10213         |
| 95-96 | 295561          | 5264          | 35167           | 1472          | 22642        | 872           | 80561                       | 2900          | 10508         |
| 96-97 | 308720          | 5498          | 32900           | 1378          | 23256        | 896           | 77972                       | 2807          | 10579         |
| 97-98 | 320221          | 5469          | 33858           | 1418          | 26401        | 1017          | 84665                       | 3048          | 10952         |
| 98-99 | 319927          | 5464          | 32722           | 1370          | 27428        | 1057          | 94846                       | 3414          | 11305         |
| 99-00 | 326578          | 5529          | 31949           | 1338          | 28446        | 1096          | 94005                       | 3384          | 11347         |
| 00-01 | 337943          | 5705          | 32426           | 1358          | 29477        | 1135          | 91264                       | 3286          | 11484         |
| 01-02 | 352600          | 5948          | 32032           | 1341          | 29714        | 1145          | 93054                       | 3350          | 11784         |
| 02-03 | 367290          | 6126          | 33044           | 1383          | 31389        | 1209          | 83404                       | 3003          | 11721         |
| 03-04 | 389204          | 6496          | 33373           | 1397          | 31962        | 1231          | 93022                       | 3349          | 12473         |
| 04-05 | 413026          | 6856          | 33981           | 1423          | 31763        | 1224          | 101621                      | 3658          | 13161         |
| 05-06 | 437267          | 7009          | 32190           | 1348          | 32202        | 1240          | 117195                      | 4219          | 13816         |
| 06-07 | 462117          | 7400          | 33988           | 1423          | 31747        | 1217          | 131920                      | 4749          | 14789         |
| 07-08 | 491062          | 7811          | 34117           | 1429          | 32274        | 1243          | 140346                      | 5052          | 15535         |
| 08-09 | 525178          | 8247          | 33506           | 1403          | 32849        | 1265          | 127720                      | 4598          | 15513         |
| 09-10 | 566113          | 9137          | 33690           | 1411          | 47496        | 1830          | 125680                      | 4524          | 16902         |
| 10-11 | 570427          | 9207          | 37684           | 1578          | 52219        | 2011          | 140523                      | 5059          | 17855         |
| 11-12 | 582282          | 9398          | 38090           | 1595          | 47559        | 1832          | 163797                      | 5897          | 18722         |
| 12-13 | 602855          | 9730          | 37862           | 1585          | 40679        | 1567          | 195801                      | 7049          | 19931         |
| 13-14 | 610036          | 9846          | 37788           | 1582          | 35407        | 1364          | 213666                      | 7692          | 20484         |
| 14-15 | 657449          | 10611         | 37461           | 1568          | 33656        | 1296          | 235945                      | 8494          | 21970         |
| 15-16 | 683072          | 11025         | 36950           | 1547          | 32249        | 1242          | 224572                      | 8085          | 21899         |
| 16-17 | 703098          | 11348         | 36009           | 1508          | 31897        | 1229          | 319684                      | 11509         | 25593         |
| 17-18 | 722044          | 11654         | 35680           | 1494          | 32650        | 1258          | 328186                      | 11815         | 26220         |
| 18-19 | 773001          | 12476         | 34203           | 1432          | 32873        | 1266          | 368690                      | 13273         | 28447         |
| 19-20 | 772970          | 12476         | 32169           | 1347          | 31184        | 1201          | 340578                      | 12261         | 27285         |
| 20-21 | 753978          | 12169         | 30494           | 1277          | 28673        | 1104          | 340576                      | 12261         | 26811         |

Source : Energy Statistics, CSO; Reports from Coal Controllers Organisation, Central Electricity Authority, Ministry of Petroleum & Natural Gas Statistics

Table-1.3: Total Primary Supply (TPS) of Coal &amp; Lignite : 2011-12 to 2020-21

(Quantity in Million Tonnes)

| Year    | Fuel type    | Production     | Imports        | Exports      | Net Import     | Opening Stock | Closing Stock  | Stock Change (Opening - Closing) | T P S           |
|---------|--------------|----------------|----------------|--------------|----------------|---------------|----------------|----------------------------------|-----------------|
| (1)     | (2)          | (3)            | (4)            | (5)          | (6)            | (7)           | (8)            | (9)                              | (10)            |
| 2011-12 | Coal         | 539.950        | 102.853        | 2.014        | 100.839        | 72.192        | 74.040         | -1.848                           | 638.941         |
|         | Lignite      | 42.332         | 0.00002        |              |                | 0.610         | 1.051          | -0.441                           | 41.891          |
|         | <b>Total</b> | <b>582.282</b> | <b>102.853</b> | <b>2.014</b> | <b>100.839</b> | <b>72.802</b> | <b>75.091</b>  | <b>-2.289</b>                    | <b>680.832</b>  |
| 2012-13 | Coal         | 556.402        | 145.785        | 2.443        | 143.342        | 74.040        | 63.049         | 10.991                           | 710.735         |
|         | Lignite      | 46.453         | 0.00002        | 0.069        | -0.069         | 1.051         | 1.493          | -0.442                           | 45.942          |
|         | <b>Total</b> | <b>602.855</b> | <b>145.785</b> | <b>2.512</b> | <b>143.273</b> | <b>75.091</b> | <b>64.542</b>  | <b>10.549</b>                    | <b>756.677</b>  |
| 2013-14 | Coal         | 565.765        | 166.857        | 2.188        | 164.669        | 63.049        | 55.514         | 7.535                            | 737.969         |
|         | Lignite      | 44.271         | 0.001          | 0.002        | -0.001         | 1.493         | 1.860          | -0.367                           | 43.903          |
|         | <b>Total</b> | <b>610.036</b> | <b>166.858</b> | <b>2.190</b> | <b>164.668</b> | <b>64.542</b> | <b>57.374</b>  | <b>7.168</b>                     | <b>781.872</b>  |
| 2014-15 | Coal         | 609.179        | 217.783        | 1.238        | 216.545        | 55.514        | 59.389         | -3.875                           | 821.849         |
|         | Lignite      | 48.270         | 0.001          | 0.003        | -0.002         | 1.860         | 3.176          | -1.316                           | 46.952          |
|         | <b>Total</b> | <b>657.449</b> | <b>217.784</b> | <b>1.241</b> | <b>216.543</b> | <b>57.374</b> | <b>62.565</b>  | <b>-5.191</b>                    | <b>868.801</b>  |
| 2015-16 | Coal         | 639.230        | 203.949        | 1.575        | 202.374        | 59.389        | 65.361         | -5.972                           | 835.632         |
|         | Lignite      | 43.842         | 0.001          | 0.001        | 0.001          | 3.176         | 4.809          | -1.633                           | 42.210          |
|         | <b>Total</b> | <b>683.072</b> | <b>203.950</b> | <b>1.576</b> | <b>202.375</b> | <b>62.565</b> | <b>70.170</b>  | <b>-7.605</b>                    | <b>877.842</b>  |
| 2016-17 | Coal         | 657.868        | 190.953        | 1.773        | 189.180        | 65.361        | 76.889         | -11.528                          | 835.520         |
|         | Lignite      | 45.230         | 0.019          | 0.005        | 0.014          | 3.176         | 6.883          | -3.707                           | 41.537          |
|         | <b>Total</b> | <b>703.098</b> | <b>190.972</b> | <b>1.778</b> | <b>189.194</b> | <b>68.537</b> | <b>83.772</b>  | <b>-15.235</b>                   | <b>877.057</b>  |
| 2017-18 | Coal         | 675.400        | 208.249        | 1.504        | 206.745        | 75.952        | 62.036         | 13.916                           | 896.061         |
|         | Lignite      | 46.644         | 0.010          | 0.004        | 0.006          | 6.883         | 7.210          | -0.327                           | 46.323          |
|         | <b>Total</b> | <b>722.044</b> | <b>208.259</b> | <b>1.508</b> | <b>206.751</b> | <b>82.835</b> | <b>69.246</b>  | <b>13.589</b>                    | <b>942.384</b>  |
| 2018-19 | Coal         | 728.718        | 235.348        | 1.306        | 234.042        | 62.036        | 57.640         | 4.396                            | 967.156         |
|         | Lignite      | 44.283         | 0.019          | 0.079        | -0.060         | 7.210         | 5.672          | 1.538                            | 45.761          |
|         | <b>Total</b> | <b>773.001</b> | <b>235.367</b> | <b>1.385</b> | <b>233.982</b> | <b>69.246</b> | <b>63.312</b>  | <b>5.934</b>                     | <b>1012.917</b> |
| 2019-20 | Coal         | 730.874        | 248.537        | 1.030        | 247.507        | 57.640        | 81.432         | -23.792                          | 954.589         |
|         | Lignite      | 42.096         | 0.054          | 0.093        | -0.038         | 5.672         | 5.495          | 0.177                            | 42.235          |
|         | <b>Total</b> | <b>772.970</b> | <b>248.591</b> | <b>1.122</b> | <b>247.468</b> | <b>63.312</b> | <b>86.927</b>  | <b>-23.615</b>                   | <b>996.823</b>  |
| 2020-21 | Coal         | 716.083        | 215.251        | 2.945        | 212.306        | 81.432        | 109.060        | -27.628                          | 900.761         |
|         | Lignite      | 37.895         | 0.019          | 0.187        | -0.169         | 5.495         | 4.981          | 0.514                            | 38.240          |
|         | <b>Total</b> | <b>753.978</b> | <b>215.270</b> | <b>3.133</b> | <b>212.137</b> | <b>86.927</b> | <b>114.041</b> | <b>-27.114</b>                   | <b>939.001</b>  |

**Note:** Total Primary Supply is estimated as sum of indigenous production, Net Import & Stock Change.



# 2

## Resources & Exploration



# Section II

## Resources & Exploration

### 2.1 Indian Coal Deposits:

The Indian coal deposits are primarily concentrated in the Gondwana sediments (Upper Paleozoic to Mesozoic systems) located in the Eastern and Central parts of Peninsular India and also in parts of North Eastern Regions Viz., Sikkim, Assam and Arunachal Pradesh. The coal is of bituminous to sub-bituminous rank and is restricted to the sediments of Permian age.

**2.1.1** Seams of these coalfields generally range in thickness from 1.0 m to 30.0 m, with exceptionally thick seams of 134.0 m found in Singrauli coalfield. The coalfields have been faulted but otherwise are not highly technologically developed.

**2.1.2** The Tertiary coal bearing sediments are found in North-Eastern India, spreading over the states of Assam, Arunachal Pradesh, Nagaland and Meghalaya of which the Assam Coal fields are the prominent ones. Here, the coalfields are highly disturbed tectonically and range from sub-bituminous to high volatile bituminous types with high sulphur contents.

### 2.2 Indian Lignite Deposits:

Indian lignite deposits are in the Tertiary sediments in the Southern & Western parts of the peninsular shield, particularly in Tamil Nadu, Pondicherry, Gujarat, Rajasthan and Jammu & Kashmir. It is also available, in minor quantity, in Kerala & West Bengal.

### 2.3 Exploration:

Exploration of coal resources in the country is carried out in two stages. In the first stage, Geological Survey of India (GSI) and various State Directorates of Geology & Mining undertake regional exploration with one or two Borehole per sq. km for locating potential coal and lignite bearing areas on a regular basis under the funding from the Ministry of Mines, Government of India. This effort is supplemented by Mineral Exploration Corporation Ltd.

(MECL), Geological Survey of India, Central Mine Planning and Design Institute Ltd. (CMPDIL) through promotional regional exploration under funding from the Ministry of Coal.

**2.3.1** In the 2nd stage, detailed exploration is carried out by CMPDIL, a subsidiary of Coal India Ltd. directly as well as through MECL, State Governments and private agencies for the purpose of mine planning and utilization of coal resources to meet the demands of different sectors of the economy. The detailed exploration in the command area of SCCL is carried out by SCCL itself. Nowadays, many private exploration agencies have also been undertaking detailed exploration in regionally explored coal blocks mainly under the supervision of CMPDIL.

**2.3.2** CMPDIL acts as a nodal agency for distribution of funds provided by the Ministry of Coal for exploration and supervision work of MECL in the area of promotional exploration of coal.

**2.3.3** Priorities of various projects/ blocks, taken up for detailed exploration, are decided after taking into account factors like emerging demands and their geographical locations, availability of infrastructure for coal evacuation and techno-economic feasibility of mine development including the coal quality.

### 2.4 Coal Resources:

Detailed data on Coal resources, as on 1<sup>st</sup> April 2021, by type of coal for different coal bearing States, field-wise and grade-wise are provided in **Tables 2.1 to 2.5**.

**2.4.1** As per GSI compilation of resources as on 1<sup>st</sup> April 2021, in situ geological resources of coal in India up to a depth of 1200 meters are 352126 Million Tonnes (MT) which includes proved, indicated and inferred resources.

Out of the total geological resources in the country, 343615 Million Tonnes (MT) are shared by seven states, Jharkhand 86217 MT(24.48%), Odisha 84878 MT (24.10%), Chhattisgarh 73424 MT(20.85%), West Bengal 33092 MT (9.40%), Madhya Pradesh 30217 MT(8.58%),Telangana 22851 MT (6.49%) and Maharashtra 12936 MT(3.67%).

**2.4.2** Out of the total resource of 352126 MT as on 1<sup>st</sup> April, 2021, the share of proved, indicated and inferred resources are 177179 MT (50.32%),146949 MT(41.73%) and 27998 MT(7.95%) respectively.

**2.4.3** Of the total resources, the share of Prime Coking is 5313 MT (1.51%), Medium Coking 28080 MT (7.97%), and Blendable/Semi Coking 1708 MT (0.48%). Share of Non-coking Coal (Including High Sulphur) is 317026 MT (90.03%). It is to be noted that the increase in availability of Non-coking coal accounts majorly for the rise in total resources since 2019.

## 2.5 Lignite Resources:

Neyveli Lignite Corporation (NLC) programs, coordinates and reviews the regional exploration work concerning lignite resources. Detailed data on lignite resources are available in **Table 2.6** and **Table 2.7**.

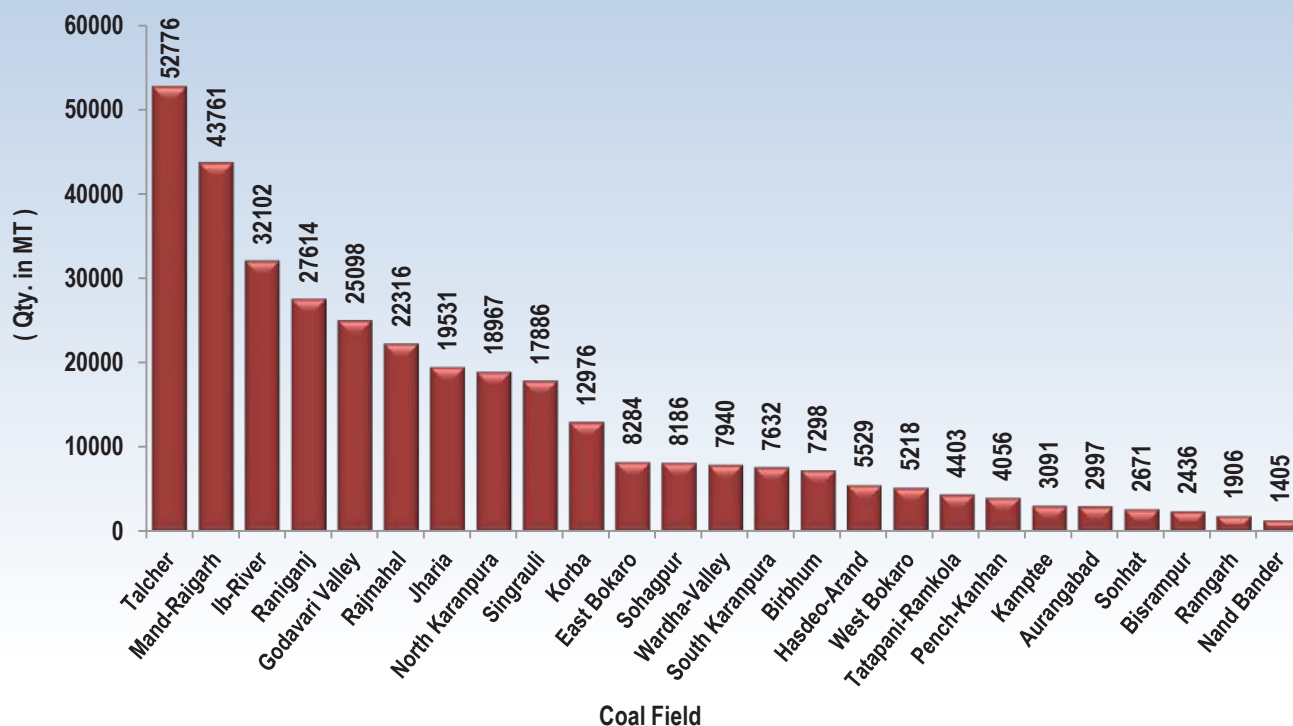
**2.5.1** Total lignite resources of the country as on 1<sup>st</sup> April 2021 are 46018 MT which include proved, indicated and inferred resources. Out of the total lignite resources, almost all i.e. 45561 MT are shared majorly by the states of Tamil Nadu (79.30%), Rajasthan (13.80%) and Gujarat (5.92%).

**2.5.2** Information regarding Promotional drilling and detailed Drilling achievements during the IXth, Xth, XIth and XIIth plan periods, on the basis of Agency and Coal Company command areas are reported in Tables 2.8 and 2.9.

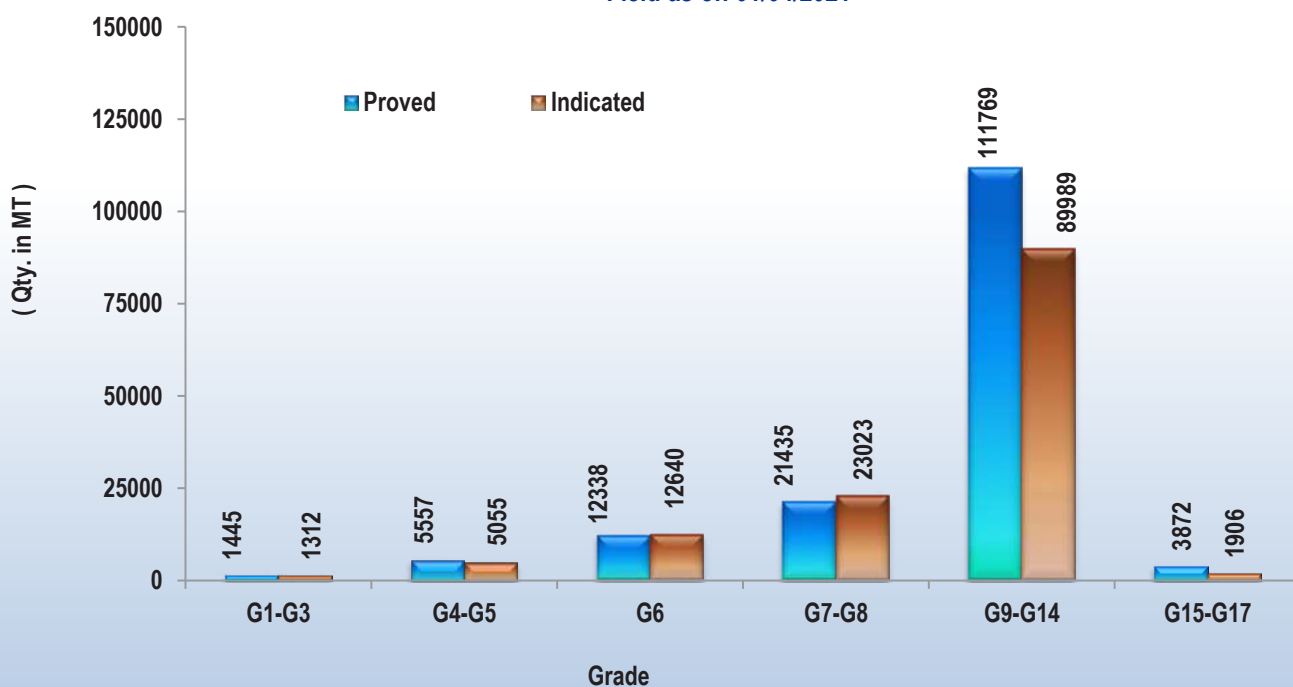
**2.6** The different exploration stages and agencies involved in the exercise are summarized below for easy comprehension of the readers.

| <b>Exploration Stage: Regional<br/>(funded by Ministry of Mines)</b>            |                                                                                             |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Exploration Agencies</b>                                                     |                                                                                             |
| 1.                                                                              | Geological Survey of India                                                                  |
| 2.                                                                              | State Directorates of Geology & Mining                                                      |
| <b>Exploration Stage: Regional (Promotional funded by<br/>Ministry of Coal)</b> |                                                                                             |
| <b>Exploration Agencies</b>                                                     |                                                                                             |
| 1.                                                                              | Geological Survey of India                                                                  |
| 2.                                                                              | Mineral Exploration Corporation Ltd.                                                        |
| 3.                                                                              | Central Mine Planning and Design Institute Ltd.                                             |
| <b>Exploration Stage: Detailed</b>                                              |                                                                                             |
| <b>Exploration Agencies</b>                                                     |                                                                                             |
| 1.                                                                              | Central Mine Planning and Design Institute Ltd.                                             |
| 2.                                                                              | Singareni Collieries Company Ltd.                                                           |
| 3.                                                                              | Mineral Exploration Corporation Ltd.                                                        |
| 4.                                                                              | Neyveli Lignite Corporation Ltd.                                                            |
| 5.                                                                              | State Directorates of Geology & Mining.                                                     |
| 6.                                                                              | Private Agencies.                                                                           |
| <b>Exploration Stage: Developmental</b>                                         |                                                                                             |
| <b>Exploration Agencies</b>                                                     |                                                                                             |
| 1.                                                                              | Coal India Limited's Subsidiaries including Central Mine Planning and Design Institute Ltd. |
| 2.                                                                              | Singareni Collieries Company Ltd.                                                           |
| 3.                                                                              | Neyveli Lignite Corporation Ltd.                                                            |
| 4.                                                                              | Private Parties/ Coal Mine Owners.                                                          |

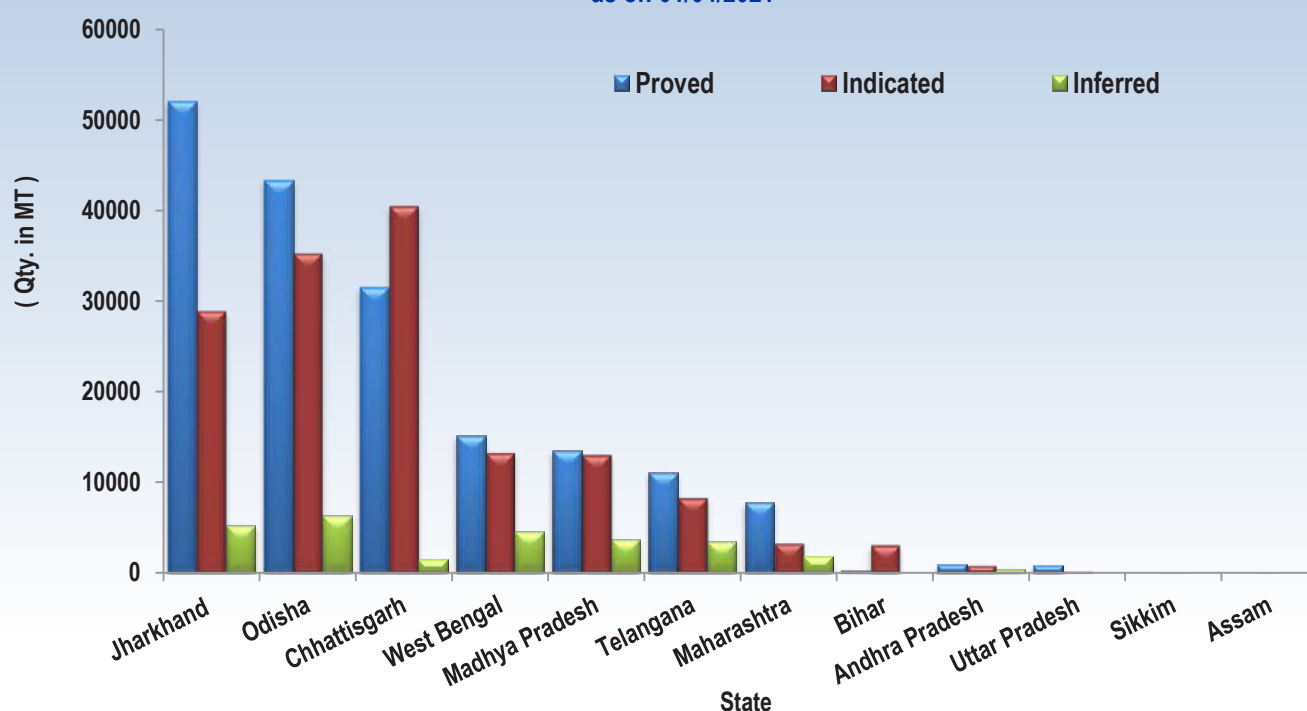
Ch. 2.1: Field Wise Inventory of Geological Resource of Coal in India as on 01/04/2021



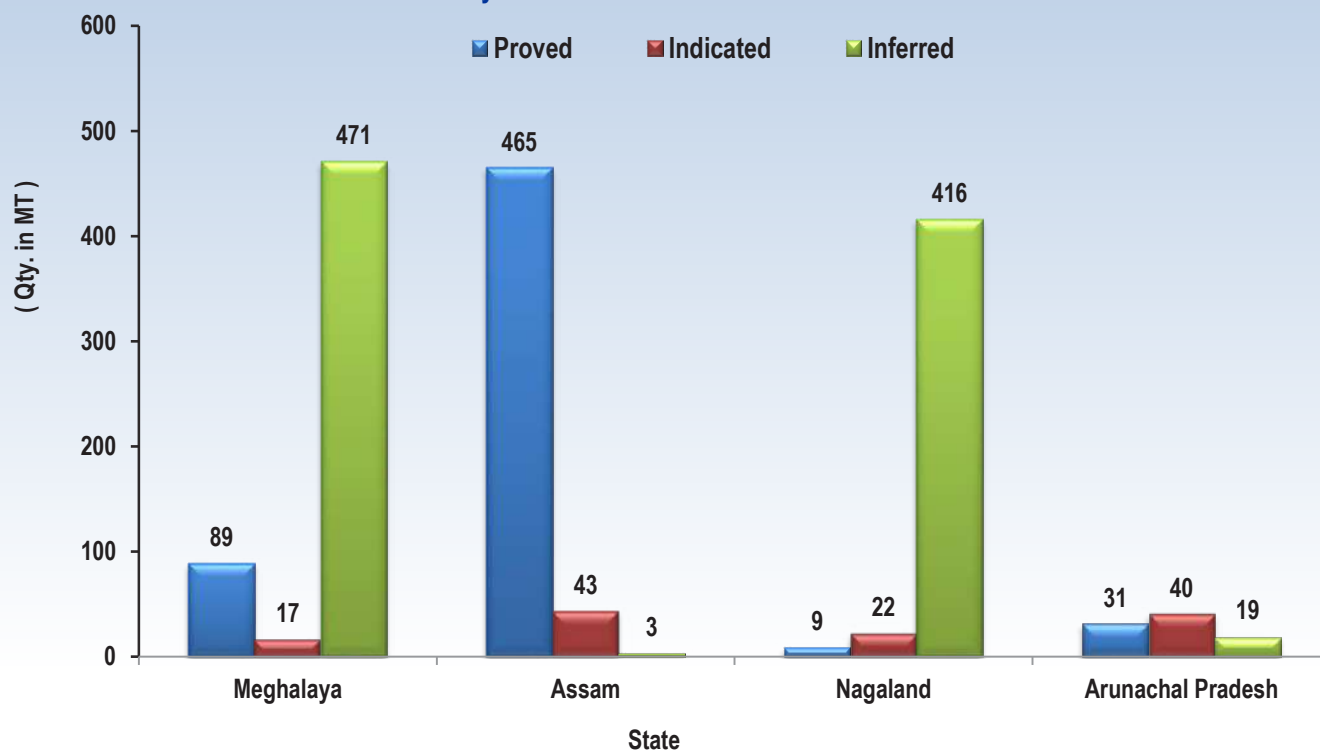
Ch. 2.2: Grade Wise Inventory of Geological Resource of Non-Coking Coal in Gondwana Coal Field as on 01/04/2021



**Ch.2.3: State Wise Inventory of Geological Resource of Coal in Gondwana Coal Fields of India as on 01/04/2021**

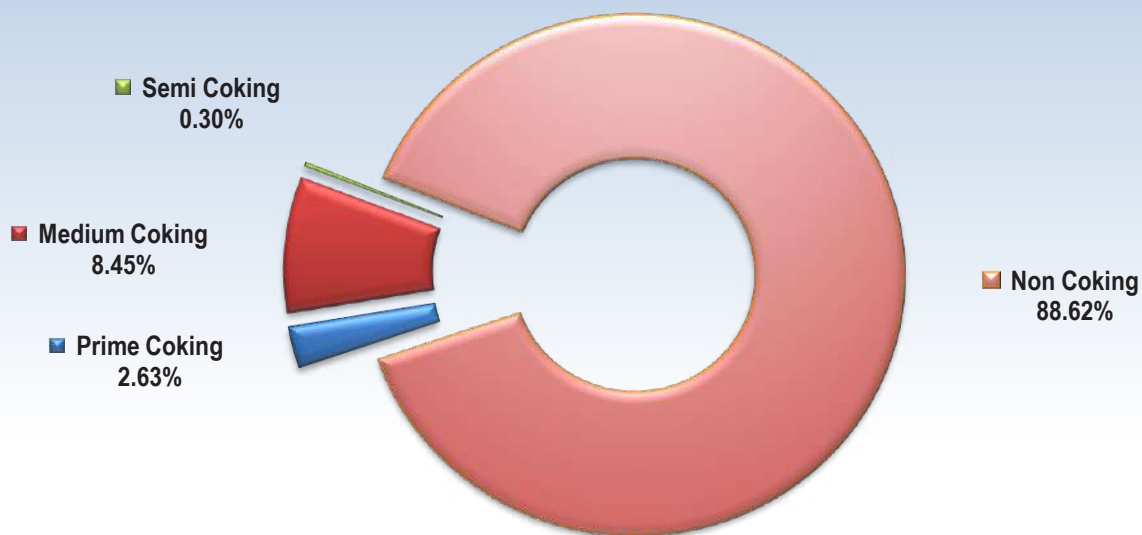


**Ch. 2.4: State Wise Inventory of Geological Resource of Coal in Tertiary Coal Fields of India as on 01/04/2021**



**Table - 2.1: Inventory of Geological Resource of Coal by Type (as on 1<sup>st</sup> April)****( Qty. in MT )**

| Type of Coal                        | As on             | Resource      |               |              |               |
|-------------------------------------|-------------------|---------------|---------------|--------------|---------------|
|                                     |                   | Proved        | Indicated     | Inferred     | Total         |
| (1)                                 | (2)               | (3)           | (4)           | (5)          | (6)           |
| Prime Coking                        | 01/04/2019        | 4668          | 645           | 0            | 5313          |
|                                     | 01/04/2020        | 4668          | 645           | 0            | 5313          |
|                                     | 01/04/2021        | 4668          | 645           | 0            | 5313          |
| Medium Coking                       | 01/04/2019        | 14876         | 11245         | 1863         | 27984         |
|                                     | 01/04/2020        | 14876         | 11245         | 1863         | 27984         |
|                                     | 01/04/2021        | 14972         | 11245         | 1863         | 28080         |
| Blendable / Semi Coking             | 01/04/2019        | 519           | 995           | 193          | 1708          |
|                                     | 01/04/2020        | 519           | 995           | 193          | 1708          |
|                                     | 01/04/2021        | 530           | 992           | 186          | 1708          |
| Non Coking (Including High Sulphur) | 01/04/2019        | 135552        | 127615        | 28325        | 291492        |
|                                     | 01/04/2020        | 143398        | 137507        | 28112        | 309017        |
|                                     | 01/04/2021        | 157010        | 134067        | 25949        | 317026        |
| <b>Total</b>                        | <b>01/04/2019</b> | <b>155614</b> | <b>140501</b> | <b>30381</b> | <b>326496</b> |
|                                     | <b>01/04/2020</b> | <b>163461</b> | <b>150392</b> | <b>30168</b> | <b>344021</b> |
|                                     | <b>01/04/2021</b> | <b>177179</b> | <b>146949</b> | <b>27998</b> | <b>352126</b> |

**Distribution of Proved Resource of Coal in India (as on 01/04/2021)**

Source: Geological Survey of India

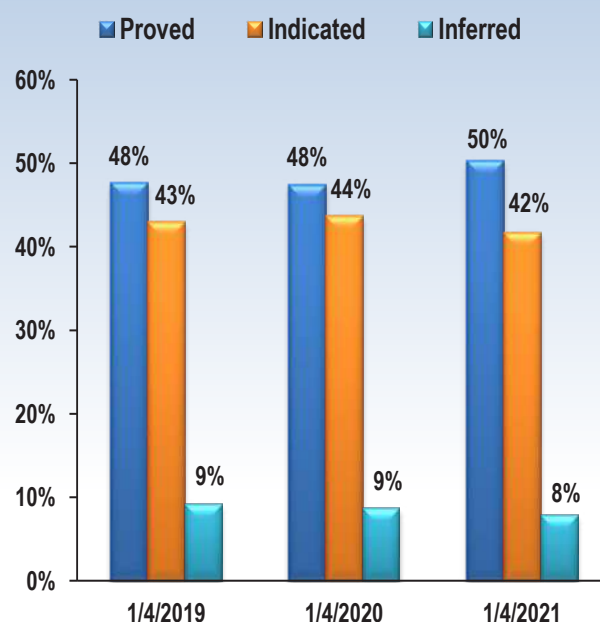
Table - 2.2: State Wise Inventory of Geological Resources of Coal in India (as on 1<sup>st</sup> April)

(Qty. in MT)

| State                       | As on    | Resources |           |          |         |
|-----------------------------|----------|-----------|-----------|----------|---------|
|                             |          | Proved    | Indicated | Inferred | Total   |
| (1)                         | (2)      | (3)       | (4)       | (5)      | (6)     |
| <b>Gondawana Coalfields</b> |          |           |           |          |         |
| Assam                       | 1/4/2019 | 0         | 14        | 0        | 14      |
|                             | 1/4/2020 | 0         | 14        | 0        | 14      |
|                             | 1/4/2021 | 0         | 14        | 0        | 14      |
| Andhra Pradesh              | 1/4/2019 | 97        | 1,078     | 432      | 1,607   |
|                             | 1/4/2020 | 97        | 1,078     | 432      | 1,607   |
|                             | 1/4/2021 | 921       | 901       | 425      | 2,247   |
| Jharkhand                   | 1/4/2019 | 48,032    | 30,400    | 6,074    | 84,506  |
|                             | 1/4/2020 | 49,469    | 30,284    | 5,850    | 85,602  |
|                             | 1/4/2021 | 52,046    | 28,882    | 5,288    | 86,217  |
| Bihar                       | 1/4/2019 | 310       | 1,513     | 11       | 1,834   |
|                             | 1/4/2020 | 310       | 2,431     | 11       | 2,751   |
|                             | 1/4/2021 | 310       | 3,143     | 11       | 3,464   |
| Madhya Pradesh              | 1/4/2019 | 12,182    | 12,736    | 3,875    | 28,793  |
|                             | 1/4/2020 | 12,597    | 12,888    | 3,799    | 29,285  |
|                             | 1/4/2021 | 13,479    | 13,060    | 3,678    | 30,217  |
| Chhattisgarh                | 1/4/2019 | 21,446    | 36,260    | 2,202    | 59,908  |
|                             | 1/4/2020 | 24,985    | 42,368    | 2,079    | 69,432  |
|                             | 1/4/2021 | 31,562    | 40,425    | 1,437    | 73,424  |
| Maharashtra                 | 1/4/2019 | 7,573     | 3,257     | 1,847    | 12,677  |
|                             | 1/4/2020 | 7,624     | 3,257     | 1,847    | 12,728  |
|                             | 1/4/2021 | 7,770     | 3,320     | 1,847    | 12,936  |
| Odisha                      | 1/4/2019 | 39,654    | 33,473    | 7,713    | 80,840  |
|                             | 1/4/2020 | 40,872    | 36,067    | 7,713    | 84,652  |
|                             | 1/4/2021 | 43,326    | 35,222    | 6,330    | 84,878  |
| Sikkim                      | 1/4/2019 | 0         | 58        | 43       | 101     |
|                             | 1/4/2020 | 0         | 58        | 43       | 101     |
|                             | 1/4/2021 | 0         | 58        | 43       | 101     |
| Uttar Pradesh               | 1/4/2019 | 884       | 178       | 0        | 1,062   |
|                             | 1/4/2020 | 884       | 178       | 0        | 1,062   |
|                             | 1/4/2021 | 884       | 178       | 0        | 1,062   |
| Telangana                   | 1/4/2019 | 10,622    | 8,565     | 2,652    | 21,839  |
|                             | 1/4/2020 | 10,841    | 8,521     | 2,863    | 22,225  |
|                             | 1/4/2021 | 11,089    | 8,328     | 3,433    | 22,851  |
| West Bengal                 | 1/4/2019 | 14,219    | 12,847    | 4,624    | 31,690  |
|                             | 1/4/2020 | 15,189    | 13,125    | 4,623    | 32,937  |
|                             | 1/4/2021 | 15,199    | 13,296    | 4,597    | 33,092  |
| <b>Total Gondwana</b>       | 1/4/2019 | 155,021   | 140,379   | 29,472   | 324,872 |
|                             | 1/4/2020 | 162,867   | 150,271   | 29,259   | 342,397 |
|                             | 1/4/2021 | 176,585   | 146,828   | 27,089   | 350,502 |
| <b>Tertiary Coalfields</b>  |          |           |           |          |         |
| Arunachal Pradesh           | 1/4/2019 | 31        | 40        | 19       | 90      |
|                             | 1/4/2020 | 31        | 40        | 19       | 90      |
|                             | 1/4/2021 | 31        | 40        | 19       | 90      |
| Assam                       | 1/4/2019 | 465       | 43        | 3        | 511     |
|                             | 1/4/2020 | 465       | 43        | 3        | 511     |
|                             | 1/4/2021 | 465       | 43        | 3        | 511     |
| Meghalaya                   | 1/4/2019 | 89        | 17        | 471      | 576     |
|                             | 1/4/2020 | 89        | 17        | 471      | 576     |
|                             | 1/4/2021 | 89        | 17        | 471      | 576     |
| Nagaland                    | 1/4/2019 | 9         | 22        | 415      | 446     |
|                             | 1/4/2020 | 9         | 22        | 415      | 445     |
|                             | 1/4/2021 | 9         | 22        | 416      | 446     |
| <b>Total Tertiary</b>       | 1/4/2019 | 594       | 121       | 908      | 1,623   |
|                             | 1/4/2020 | 594       | 121       | 908      | 1,623   |
|                             | 1/4/2021 | 594       | 121       | 909      | 1,624   |
| <b>All India</b>            | 1/4/2019 | 155614    | 140501    | 30380    | 326495  |
|                             | 1/4/2020 | 163461    | 150392    | 30167    | 344020  |
|                             | 1/4/2021 | 177179    | 146949    | 27998    | 352126  |

Gondawana coalfield, not considered in Tertiary coalfields.

Distribution of Resources of Coal in India



Source: Geological Survey of India

Table - 2.3: Field Wise Inventory of Geological Resource of Coal in India (as on 1<sup>st</sup> April)

(Qty. in MT)

| State       | Field        | Type of Coal         | Depth (Mt.)   | Reserve      |              |             |              |
|-------------|--------------|----------------------|---------------|--------------|--------------|-------------|--------------|
|             |              |                      |               | Proved       | Indicated    | Inferred    | Total        |
| (1)         | (2)          | (3)                  | (4)           | (5)          | (6)          | (7)         | (8)          |
| West Bengal | Raniganj     | Medium Coking        | 0-300         | 203          | 0            | 0           | 203          |
|             |              | Medium Coking        | 300-600       | 73           | 0            | 0           | 73           |
|             |              | Medium Coking        | 600-1200      | 275          | 0            | 0           | 275          |
|             |              | Semi Coking          | 0-300         | 46           | 14           | 0           | 60           |
|             |              | Semi Coking          | 300-600       | 130          | 111          | 5           | 246          |
|             |              | Semi Coking          | 600-1200      | 59           | 296          | 128         | 483          |
|             |              | Non Coking           | 0-300         | 10320        | 1582         | 194         | 12097        |
|             |              | Non Coking           | 300-600       | 3359         | 3256         | 1861        | 8476         |
|             |              | Non Coking           | 600-1200      | 315          | 1859         | 1492        | 3666         |
|             |              | <b>Total</b>         |               | <b>14781</b> | <b>7117</b>  | <b>3680</b> | <b>25578</b> |
|             | Barjora      | Non Coking           | 0-300         | 201          | 0            | 0           | 201          |
|             | Birbhum      | Non Coking           | 0-300         | 154          | 792          | 124         | 1069         |
|             |              | Non Coking           | 300-600       | 64           | 4190         | 604         | 4858         |
|             |              | Non Coking           | 600-1200      | 0            | 1197         | 174         | 1371         |
|             |              | <b>Total</b>         |               | <b>218</b>   | <b>6179</b>  | <b>901</b>  | <b>7298</b>  |
|             | Darjeeling   | Non Coking           | 0-300         | 0            | 0            | 15          | 15           |
| West Bengal | <b>Total</b> | <b>Medium Coking</b> | <b>0-1200</b> | <b>550</b>   | <b>0</b>     | <b>0</b>    | <b>550</b>   |
|             |              | <b>Semi Coking</b>   | <b>0-1200</b> | <b>236</b>   | <b>420</b>   | <b>133</b>  | <b>789</b>   |
|             |              | <b>Non Coking</b>    | <b>0-1200</b> | <b>14414</b> | <b>12876</b> | <b>4464</b> | <b>31753</b> |
|             |              | <b>All</b>           | <b>0-1200</b> | <b>15199</b> | <b>13296</b> | <b>4597</b> | <b>33092</b> |
| Jharkhand   | Raniganj     | Medium Coking        | 0-300         | 220          | 9            | 0           | 229          |
|             |              | Medium Coking        | 300-600       | 49           | 8            | 0           | 58           |
|             |              | Semi Coking          | 0-300         | 51           | 0            | 0           | 51           |
|             |              | Semi Coking          | 300-600       | 0            | 40           | 0           | 40           |
|             |              | Non Coking           | 0-300         | 1112         | 89           | 30          | 1230         |
|             |              | Non Coking           | 300-600       | 106          | 320          | 2           | 428          |
|             |              | <b>Total</b>         |               | <b>1538</b>  | <b>467</b>   | <b>32</b>   | <b>2036</b>  |
|             | Jharia       | Prime Coking         | 0-600         | 4054         | 4            | 0           | 4058         |
|             |              | Prime Coking         | 600-1200      | 613          | 641          | 0           | 1255         |
|             |              | Medium Coking        | 0-600         | 4345         | 2            | 0           | 4346         |
|             |              | Medium Coking        | 600-1200      | 1117         | 802          | 0           | 1918         |
|             |              | Non Coking           | 0-600         | 5657         | 445          | 0           | 6102         |
|             |              | Non Coking           | 600-1200      | 496          | 1355         | 0           | 1851         |
|             |              | <b>Total</b>         |               | <b>16282</b> | <b>3248</b>  | <b>0</b>    | <b>19531</b> |
|             | East Bokaro  | Medium Coking        | 0-300         | 2730         | 1278         | 19          | 4027         |
|             |              | Medium Coking        | 300-600       | 407          | 1188         | 59          | 1654         |
|             |              | Medium Coking        | 600-1200      | 256          | 1394         | 786         | 2436         |
|             |              | Non Coking           | 0-300         | 95           | 57           | 0           | 152          |
|             |              | Non Coking           | 300-600       | 9            | 6            | 0           | 15           |
|             |              | <b>Total</b>         |               | <b>3497</b>  | <b>3923</b>  | <b>863</b>  | <b>8284</b>  |
|             | West Bokaro  | Medium Coking        | 0-300         | 3056         | 1077         | 17          | 4150         |
|             |              | Medium Coking        | 300-600       | 524          | 161          | 0           | 685          |

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|           |         |               |         |             |             |           |             |
|-----------|---------|---------------|---------|-------------|-------------|-----------|-------------|
| Jharkhand |         | Non Coking    | 0-300   | 317         | 22          | 0         | 338         |
|           |         | Non Coking    | 300-600 | 26          | 19          | 0         | 45          |
|           |         | <b>Total</b>  |         | <b>3923</b> | <b>1279</b> | <b>17</b> | <b>5218</b> |
|           | Ramgarh | Medium Coking | 0-300   | 729         | 155         | 0         | 884         |
|           |         | Medium Coking | 300-600 | 29          | 299         | 0         | 327         |

Table - 2.3: Field Wise Inventory of Geological Resource of Coal in India (as on 1<sup>st</sup> April)

(Qty. in MT)

| State            | Field           | Type of Coal         | Depth (Mt.)   | Reserve      |              |             |              |
|------------------|-----------------|----------------------|---------------|--------------|--------------|-------------|--------------|
|                  |                 |                      |               | Proved       | Indicated    | Inferred    | Total        |
| (1)              | (2)             | (3)                  | (4)           | (5)          | (6)          | (7)         | (8)          |
|                  |                 | Semi Coking          | 0-300         | 172          | 95           | 1           | 268          |
|                  |                 | Semi Coking          | 300-600       | 0            | 336          | 53          | 389          |
|                  |                 | Non Coking           | 0-300         | 7            | 26           | 5           | 38           |
|                  |                 | <b>Total</b>         |               | <b>937</b>   | <b>912</b>   | <b>58</b>   | <b>1906</b>  |
|                  | North Karanpura | Medium Coking        | 0-300         | 559          | 1163         | 0           | 1722         |
|                  |                 | Medium Coking        | 300-600       | 46           | 1636         | 413         | 2095         |
|                  |                 | Non Coking           | 0-300         | 9090         | 2251         | 722         | 12063        |
|                  |                 | Non Coking           | 300-600       | 1143         | 1124         | 730         | 2996         |
|                  |                 | Non Coking           | 600-1200      | 91           | 0            | 0           | 91           |
|                  |                 | <b>Total</b>         |               | <b>10929</b> | <b>6173</b>  | <b>1865</b> | <b>18967</b> |
|                  | South Karanpura | Medium Coking        | 300-600       | 0            | 248          | 33          | 281          |
|                  |                 | Medium Coking        | 600-1200      | 0            | 265          | 263         | 529          |
|                  |                 | Non Coking           | 0-300         | 3241         | 379          | 262         | 3882         |
|                  |                 | Non Coking           | 300-600       | 1373         | 376          | 585         | 2334         |
|                  |                 | Non Coking           | 600-1200      | 562          | 44           | 0           | 606          |
|                  |                 | <b>Total</b>         |               | <b>5176</b>  | <b>1312</b>  | <b>1143</b> | <b>7632</b>  |
|                  | Aurangabad      | Non Coking           | 0-300         | 352          | 1241         | 43          | 1636         |
|                  |                 | Non Coking           | 300-600       | 0            | 867          | 423         | 1290         |
|                  |                 | Non Coking           | 600-1200      | 0            | 33           | 37          | 71           |
|                  |                 | <b>Total</b>         |               | <b>352</b>   | <b>2142</b>  | <b>503</b>  | <b>2997</b>  |
|                  | Hutar           | Non Coking           | 0-300         | 191          | 14           | 32          | 237          |
|                  |                 | Non Coking           | 300-600       | 0            | 12           | 0           | 12           |
|                  |                 | <b>Total</b>         |               | <b>191</b>   | <b>27</b>    | <b>32</b>   | <b>250</b>   |
|                  | Daltongunj      | Non Coking           | 0-300         | 84           | 60           | 0           | 144          |
|                  |                 | <b>Total</b>         |               | <b>84</b>    | <b>60</b>    | <b>0</b>    | <b>144</b>   |
|                  | Deogarh         | Non Coking           | 0-300         | 326          | 74           | 0           | 400          |
|                  |                 | <b>Total</b>         |               | <b>326</b>   | <b>74</b>    | <b>0</b>    | <b>400</b>   |
|                  | Rajmahal        | Non Coking           | 0-300         | 6779         | 6123         | 387         | 13289        |
|                  |                 | Non Coking           | 300-600       | 1955         | 3113         | 382         | 5450         |
|                  |                 | Non Coking           | 600-1200      | 77           | 30           | 5           | 113          |
|                  |                 | <b>Total</b>         |               | <b>8811</b>  | <b>9267</b>  | <b>774</b>  | <b>18852</b> |
| <b>Jharkhand</b> | <b>Total</b>    | <b>Prime Coking</b>  | <b>0-1200</b> | <b>4668</b>  | <b>645</b>   | <b>0</b>    | <b>5313</b>  |
|                  |                 | <b>Medium Coking</b> | <b>0-1200</b> | <b>14067</b> | <b>9685</b>  | <b>1590</b> | <b>25342</b> |
|                  |                 | <b>Semi Coking</b>   | <b>0-1200</b> | <b>223</b>   | <b>472</b>   | <b>53</b>   | <b>748</b>   |
|                  |                 | <b>Non Coking</b>    | <b>0-1200</b> | <b>33088</b> | <b>18080</b> | <b>3645</b> | <b>54814</b> |
|                  |                 | <b>All</b>           | <b>0-1200</b> | <b>52046</b> | <b>28882</b> | <b>5288</b> | <b>86217</b> |

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Table - 2.3: Field Wise Inventory of Geological Resource of Coal in India (as on 1<sup>st</sup> April)

(Qty. in MT)

| State          | Field        | Type of Coal         | Depth (Mt.)   | Reserve      |              |             |              |
|----------------|--------------|----------------------|---------------|--------------|--------------|-------------|--------------|
|                |              |                      |               | Proved       | Indicated    | Inferred    | Total        |
| (1)            | (2)          | (3)                  | (4)           | (5)          | (6)          | (7)         | (8)          |
| Bihar          | Rajmahal     | Non Coking           | 0-300         | 310          | 1104         | 11          | 1425         |
|                |              | Non Coking           | 300-600       | 0            | 1536         | 0           | 1536         |
|                |              | Non Coking           | 600-1200      | 0            | 503          | 0           | 503          |
| <b>Bihar</b>   | <b>Total</b> | <b>Non Coking</b>    | <b>0-1200</b> | <b>310</b>   | <b>3143</b>  | <b>11</b>   | <b>3464</b>  |
| Madhya Pradesh | Johilla      | Non Coking           | 0-300         | 185          | 161          | 33          | 379          |
|                |              | Non Coking           | 300-600       |              | 95           |             | 95           |
|                |              | Non Coking           | 600-1200      |              | 6            |             | 6            |
|                |              | <b>Total</b>         |               | <b>185</b>   | <b>263</b>   | <b>33</b>   | <b>481</b>   |
|                | Umria        | Non Coking           | 0-300         | 178          | 4            | 0           | 181          |
|                |              | Medium Coking        | 0-300         | 68           | 263          | 16          | 347          |
|                |              | Medium Coking        | 300-600       | 40           | 137          | 142         | 319          |
|                |              | Non Coking           | 0-300         | 1245         | 218          | 173         | 1636         |
|                |              | Non Coking           | 300-600       | 613          | 302          | 768         | 1682         |
|                |              | Non Coking           | 600-1200      | 1            | 4            | 66          | 71           |
|                |              | <b>Total</b>         |               | <b>1967</b>  | <b>923</b>   | <b>1166</b> | <b>4056</b>  |
|                | Pathakhera   | Non Coking           | 0-300         | 261          | 52           | 0           | 313          |
|                |              | Non Coking           | 300-600       | 30           | 36           | 68          | 134          |
|                |              | <b>Total</b>         | <b>0-600</b>  | <b>291</b>   | <b>88</b>    | <b>68</b>   | <b>447</b>   |
|                | Gurgunda     | Non Coking           | 0-300         | 0            | 73           | 2           | 75           |
|                |              | Non Coking           | 300-600       | 0            | 12           | 45          | 57           |
|                |              | Non Coking           | 600-1200      | 0            | 0            | 6           | 6            |
|                |              | <b>Total</b>         |               | <b>0</b>     | <b>85</b>    | <b>53</b>   | <b>138</b>   |
|                | Mohpani      | Non Coking           | 0-300         | 8            | 0            | 0           | 8            |
|                | Sohagpur     | Medium Coking        | 0-300         | 185          | 211          | 2           | 398          |
|                |              | Medium Coking        | 300-600       | 62           | 867          | 91          | 1019         |
|                |              | Medium Coking        | 600-1200      | 0            | 82           | 22          | 104          |
|                |              | Non Coking           | 0-300         | 1819         | 2807         | 170         | 4795         |
|                |              | Non Coking           | 300-600       | 64           | 1659         | 10          | 1732         |
|                |              | Non Coking           | 600-1200      | 0            | 34           | 0           | 34           |
|                |              | <b>Total</b>         |               | <b>2129</b>  | <b>5659</b>  | <b>293</b>  | <b>8082</b>  |
|                | Singrauli    | Non Coking           | 0-300         | 6366         | 2226         | 1153        | 9745         |
|                |              | Non Coking           | 300-600       | 2345         | 3526         | 768         | 6639         |
|                |              | Non Coking           | 600-1200      | 11           | 287          | 142         | 440          |
|                |              | <b>Total</b>         |               | <b>8722</b>  | <b>6039</b>  | <b>2064</b> | <b>16824</b> |
| Madhya Pradesh | <b>Total</b> | <b>Medium Coking</b> | <b>0-1200</b> | <b>354</b>   | <b>1560</b>  | <b>273</b>  | <b>2187</b>  |
|                |              | <b>Non Coking</b>    | <b>0-1200</b> | <b>13125</b> | <b>11500</b> | <b>3405</b> | <b>28029</b> |
|                |              | <b>All</b>           | <b>0-1200</b> | <b>13479</b> | <b>13060</b> | <b>3678</b> | <b>30217</b> |
| Chhattisgarh   | Sohagpur     | Non Coking           | 0-300         | 94           | 10           | 0           | 104          |
|                | Sonhat       | Semi Coking          | 0-300         | 71           | 16           | 0           | 87           |
|                |              | Semi Coking          | 300-600       | 0            | 83           | 0           | 83           |
|                |              | Non Coking           | 0-300         | 200          | 842          | 0           | 1043         |
|                |              | Non Coking           | 300-600       | 94           | 794          | 2           | 889          |
|                |              | Non Coking           | 600-1200      | 0            | 569          | 0           | 569          |
|                |              | <b>Total</b>         |               | <b>365</b>   | <b>2304</b>  | <b>2</b>    | <b>2671</b>  |

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Table - 2.3: Field Wise Inventory of Geological Resource of Coal in India (as on 1<sup>st</sup> April)

(Qty. in MT)

| State         | Field             | Type of Coal       | Depth (Mt.)   | Reserve      |              |             |              |
|---------------|-------------------|--------------------|---------------|--------------|--------------|-------------|--------------|
|               |                   |                    |               | Proved       | Indicated    | Inferred    | Total        |
| (1)           | (2)               | (3)                | (4)           | (5)          | (6)          | (7)         | (8)          |
| Chhattisgarh  | Jhilimili         | Non Coking         | 0-300         | 228          | 39           | 0           | 267          |
|               | Chirimiri         | Non Coking         | 0-300         | 320          | 11           | 31          | 362          |
|               | Bisrampur         | Non Coking         | 0-300         | 1732         | 696          | 5           | 2433         |
|               |                   | Non Coking         | 300-600       | 3            | 0            | 0           | 3            |
|               |                   | <b>Total</b>       |               | <b>1735</b>  | <b>696</b>   | <b>5</b>    | <b>2436</b>  |
|               | East Bisrampur    | Non Coking         | 0-300         | 0            | 165          | 0           | 165          |
|               | Lakhanpur         | Non Coking         | 0-300         | 456          | 3            | 0           | 459          |
|               | Panchbahini       | Non Coking         | 0-300         | 0            | 11           | 0           | 11           |
|               | Hasdeo-Arand      | Non Coking         | 0-300         | 2022         | 3213         | 220         | 5455         |
|               |                   | Non Coking         | 300-600       | 10           | 60           | 3           | 73           |
|               |                   | <b>Total</b>       |               | <b>2032</b>  | <b>3273</b>  | <b>223</b>  | <b>5529</b>  |
|               | Sendurgarh        | Non Coking         | 0-300         | 153          | 126          | 0           | 279          |
|               | Korba             | Non Coking         | 0-300         | 5964         | 3493         | 96          | 9554         |
|               |                   | Non Coking         | 300-600       | 1088         | 2269         | 63          | 3420         |
|               |                   | Non Coking         | 600-1200      | 2            | 0            | 0           | 2            |
|               |                   | <b>Total</b>       |               | <b>7055</b>  | <b>5763</b>  | <b>159</b>  | <b>12976</b> |
|               | Mand-Raigarh      | Non Coking         | 0-300         | 12822        | 10805        | 419         | 24045        |
|               |                   | Non Coking         | 300-600       | 5058         | 10850        | 505         | 16414        |
|               |                   | Non Coking         | 600-1200      | 98           | 3204         | 0           | 3302         |
|               |                   | <b>Total</b>       |               | <b>17978</b> | <b>24859</b> | <b>924</b>  | <b>43761</b> |
|               | Tatapani-Ramkola  | Non Coking         | 0-300         | 586          | 859          | 14          | 1460         |
|               |                   | Non Coking         | 300-600       | 548          | 1762         | 79          | 2389         |
|               |                   | Non Coking         | 600-1200      | 11           | 544          | 0           | 555          |
|               |                   | <b>Total</b>       |               | <b>1145</b>  | <b>3165</b>  | <b>93</b>   | <b>4403</b>  |
| Chhattisgarh  | <b>Total</b>      | <b>Semi Coking</b> | <b>0-1200</b> | <b>71</b>    | <b>99</b>    | <b>0</b>    | <b>170</b>   |
|               |                   | <b>Non Coking</b>  | <b>0-1200</b> | <b>31491</b> | <b>40326</b> | <b>1437</b> | <b>73254</b> |
|               |                   | <b>All</b>         | <b>0-1200</b> | <b>31562</b> | <b>40425</b> | <b>1437</b> | <b>73424</b> |
| Uttar Pradesh | Singrauli         | Non Coking         | 0-300         | 884          | 178          | 0           | 1062         |
| Uttar Pradesh | <b>Total</b>      | <b>Non Coking</b>  | <b>0-1200</b> | <b>884</b>   | <b>178</b>   | <b>0</b>    | <b>1062</b>  |
|               |                   | <b>All</b>         | <b>0-1200</b> | <b>884</b>   | <b>178</b>   | <b>0</b>    | <b>1062</b>  |
| Maharashtra   | Wardha-Valley     | Non Coking         | 0-300         | 4388         | 794          | 268         | 5450         |
|               |                   | Non Coking         | 300-600       | 325          | 956          | 1146        | 2427         |
|               |                   | Non Coking         | 600-1200      | 1            | 35           | 27          | 63           |
|               |                   | <b>Total</b>       |               | <b>4713</b>  | <b>1785</b>  | <b>1441</b> | <b>7940</b>  |
|               | Kamptee           | Non Coking         | 0-300         | 1492         | 387          | 29          | 1908         |
|               |                   | Non Coking         | 300-600       | 495          | 478          | 48          | 1021         |
|               |                   | Non Coking         | 600-1200      | 60           | 72           | 30          | 162          |
|               |                   | <b>Total</b>       |               | <b>2046</b>  | <b>938</b>   | <b>107</b>  | <b>3091</b>  |
|               | Umrer Makardhokra | Non Coking         | 0-300         | 308          | 0            | 66          | 374          |
|               |                   | Non Coking         | 300-600       | 0            | 0            | 83          | 83           |
|               |                   | Non Coking         | 600-1200      | 0            | 0            | 12          | 12           |
|               |                   | <b>Total</b>       |               | <b>308</b>   | <b>0</b>     | <b>161</b>  | <b>469</b>   |

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Table - 2.3: Field Wise Inventory of Geological Resource of Coal in India (as on 1<sup>st</sup> April)

(Qty. in MT)

| State                 | Field           | Type of Coal      | Depth (Mt.)   | Reserve      |              |             |              |
|-----------------------|-----------------|-------------------|---------------|--------------|--------------|-------------|--------------|
|                       |                 |                   |               | Proved       | Indicated    | Inferred    | Total        |
| (1)                   | (2)             | (3)               | (4)           | (5)          | (6)          | (7)         | (8)          |
| Maharashtra           | Nand Bander     | Non Coking        | 0-300         | 447          | 348          | 102         | 897          |
|                       |                 | Non Coking        | 300-600       | 245          | 227          | 16          | 488          |
|                       |                 | Non Coking        | 600-1200      | 0            | 21           | 0           | 21           |
|                       |                 | <b>Total</b>      |               | <b>691</b>   | <b>596</b>   | <b>118</b>  | <b>1405</b>  |
|                       | Bokhara         | Non Coking        | 0-300         | 10           | 0            | 20          | 30           |
| <b>Maharashtra</b>    | <b>Total</b>    | <b>Non Coking</b> | <b>0-1200</b> | <b>7770</b>  | <b>3320</b>  | <b>1847</b> | <b>12936</b> |
|                       |                 | <b>All</b>        | <b>0-1200</b> | <b>7770</b>  | <b>3320</b>  | <b>1847</b> | <b>12936</b> |
| Odisha                | Ib-River        | Non Coking        | 0-300         | 13105        | 5439         | 0           | 18544        |
|                       |                 | Non Coking        | 300-600       | 3259         | 6198         | 2228        | 11684        |
|                       |                 | Non Coking        | 600-1200      | 1            | 1873         | 0           | 1874         |
|                       |                 | <b>Total</b>      |               | <b>16365</b> | <b>13509</b> | <b>2228</b> | <b>32102</b> |
|                       | Talcher         | Non Coking        | 0-300         | 22538        | 8325         | 2550        | 33413        |
|                       |                 | Non Coking        | 300-600       | 4187         | 11994        | 1084        | 17265        |
|                       |                 | Non Coking        | 600-1200      | 235          | 1394         | 469         | 2099         |
|                       |                 | <b>Total</b>      |               | <b>26961</b> | <b>21713</b> | <b>4103</b> | <b>52776</b> |
| <b>Odisha</b>         | <b>Total</b>    | <b>Non Coking</b> | <b>0-1200</b> | <b>43326</b> | <b>35222</b> | <b>6330</b> | <b>84878</b> |
|                       |                 | <b>All</b>        | <b>0-1200</b> | <b>43326</b> | <b>35222</b> | <b>6330</b> | <b>84878</b> |
| Andhra Pradesh        | Godavari Valley | Non Coking        | 0-300         | 127          | 380          | 45          | 552          |
|                       |                 | Non Coking        | 300-600       | 125          | 463          | 106         | 695          |
|                       |                 | Non Coking        | 600-1200      | 669          | 58           | 274         | 1001         |
|                       |                 | <b>Total</b>      | <b>0-1200</b> | <b>921</b>   | <b>901</b>   | <b>425</b>  | <b>2247</b>  |
| <b>Andhra Pradesh</b> | <b>Total</b>    | <b>Non Coking</b> | <b>0-1200</b> | <b>921</b>   | <b>901</b>   | <b>425</b>  | <b>2247</b>  |
|                       |                 | <b>All</b>        | <b>0-1200</b> | <b>921</b>   | <b>901</b>   | <b>425</b>  | <b>2247</b>  |
| Telangana             | Godavari Valley | Non Coking        | 0-300         | 6546         | 2977         | 366         | 9888         |
|                       |                 | Non Coking        | 300-600       | 4235         | 3927         | 698         | 8859         |
|                       |                 | Non Coking        | 600-1200      | 308          | 1425         | 2369        | 4103         |
|                       |                 | <b>Total</b>      | <b>0-1200</b> | <b>11089</b> | <b>8328</b>  | <b>3433</b> | <b>22851</b> |
| <b>Telangana</b>      | <b>Total</b>    | <b>Non Coking</b> | <b>0-1200</b> | <b>11089</b> | <b>8328</b>  | <b>3433</b> | <b>22851</b> |
|                       |                 | <b>All</b>        | <b>0-1200</b> | <b>11089</b> | <b>8328</b>  | <b>3433</b> | <b>22851</b> |
| Sikkim                | Rangit Valley   | Non Coking        | 0-300         | 0            | 58           | 43          | 101          |
| <b>Sikkim</b>         | <b>Total</b>    | <b>Non Coking</b> | <b>0-1200</b> | <b>0</b>     | <b>58</b>    | <b>43</b>   | <b>101</b>   |
| Assam                 | Singrimari      | Semi Coking       | 0-300         | 0            | 0            | 0           | 0            |
|                       |                 | Non Coking        | 0-300         | 0            | 11           | 0           | 11           |
|                       |                 | Non Coking        | 300-600       | 0            | 3            | 0           | 3            |
|                       |                 | Non Coking        | 600-1200      | 0            | 0            | 0           | 0            |
|                       |                 | <b>Total</b>      |               | <b>0</b>     | <b>14</b>    | <b>0</b>    | <b>14</b>    |
|                       | Makum           | High Sulphur      | 0-300         | 246          | 5            | 0           | 251          |
|                       |                 | High Sulphur      | 300-600       | 186          | 16           | 0           | 202          |
|                       |                 | <b>Total</b>      |               | <b>432</b>   | <b>21</b>    | <b>0</b>    | <b>453</b>   |
|                       | Dilli-Jeypore   | High Sulphur      | 0-300         | 32           | 22           | 0           | 54           |
|                       | Mikir Hills     | High Sulphur      | 0-300         | 1            | 0            | 3           | 4            |

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Table - 2.3: Field Wise Inventory of Geological Resource of Coal in India (as on 1<sup>st</sup> April)

(Qty. in MT)

| State             | Field                          | Type of Coal  | Depth (Mt.) | Reserve |           |          |        |
|-------------------|--------------------------------|---------------|-------------|---------|-----------|----------|--------|
|                   |                                |               |             | Proved  | Indicated | Inferred | Total  |
| (1)               | (2)                            | (3)           | (4)         | (5)     | (6)       | (7)      | (8)    |
| Assam             | Total                          | Semi Coking   | 0-1200      | 0       | 0         | 0        | 0      |
|                   |                                | Non Coking    | 0-1200      | 0       | 14        | 0        | 14     |
|                   |                                | High Sulphur  | 0-1200      | 465     | 43        | 3        | 511    |
|                   |                                | All           | 0-1200      | 465     | 57        | 3        | 525    |
| Arunachal Pradesh | Namchik-Namphuk                | High Sulphur  | 0-300       | 31      | 40        | 13       | 84     |
|                   | Miao Bum                       | High Sulphur  | 0-300       | 0       | 0         | 6        | 6      |
| Arunachal Pradesh | Total                          | High Sulphur  | 0-1200      | 31      | 40        | 19       | 90     |
|                   |                                | All           | 0-1200      | 31      | 40        | 19       | 90     |
| Meghalaya         | West-Darangiri                 | High Sulphur  | 0-300       | 65      | 0         | 60       | 125    |
|                   | East Darangiri                 | High Sulphur  | 0-300       | 0       | 0         | 34       | 34     |
|                   | Balpakram-Pendenguru           | High Sulphur  | 0-300       | 0       | 0         | 107      | 107    |
|                   | Siju                           | High Sulphur  | 0-300       | 0       | 0         | 125      | 125    |
|                   | Langrin                        | High Sulphur  | 0-300       | 10      | 17        | 106      | 133    |
|                   | Mawlong Shelia                 | High Sulphur  | 0-300       | 2       | 0         | 4        | 6      |
|                   | Khasi Hills                    | High Sulphur  | 0-300       | 0       | 0         | 10       | 10     |
|                   | Bapung                         | High Sulphur  | 0-300       | 11      | 0         | 23       | 34     |
|                   | Jayanti Hill                   | High Sulphur  | 0-300       | 0       | 0         | 2        | 2      |
| Meghalaya         | Total                          | High Sulphur  | 0-1200      | 89      | 17        | 471      | 576    |
|                   |                                | All           | 0-1200      | 89      | 17        | 471      | 576    |
| Nagaland          | Borjan                         | High Sulphur  | 0-300       | 6       | 0         | 5        | 10     |
|                   | Jhanzi-Disai                   | High Sulphur  | 0-300       | 2       | 22        | 109      | 133    |
|                   | Tiensang                       | High Sulphur  | 0-300       | 1       | 0         | 2        | 3      |
|                   | Tiru Valley                    | High Sulphur  | 0-300       | 0       | 0         | 7        | 7      |
|                   | Dgm                            | High Sulphur  | 0-300       | 0       | 0         | 293      | 293    |
| Nagaland          | Total                          | High Sulphur  | 0-1200      | 9       | 22        | 416      | 446    |
|                   |                                | All           | 0-1200      | 9       | 22        | 416      | 446    |
| All India         | Total                          | Prime Coking  | 0-1200      | 4668    | 645       | 0        | 5313   |
|                   |                                | Medium Coking | 0-1200      | 14972   | 11245     | 1863     | 28080  |
|                   |                                | Semi Coking   | 0-1200      | 530     | 992       | 186      | 1708   |
|                   |                                | Non Coking    | 0-1200      | 156416  | 133946    | 25040    | 315402 |
|                   |                                | High Sulphur  | 0-1200      | 594     | 121       | 909      | 1624   |
| India             | Grand Total                    |               | 0-1200      | 177179  | 146949    | 27998    | 352126 |
| All India         | Total for Tertiary Coalfields  |               | 0-1200      | 594     | 121       | 909      | 1624   |
|                   | Total for Gondwana Coalfields* |               | 0-1200      | 176585  | 146828    | 27089    | 350502 |
|                   | Grand Total                    |               | 0-1200      | 177179  | 146949    | 27998    | 352126 |

\* Including Sikkim

Source: Geological Survey of India

**Table 2.4: Depth Wise Inventory of Geological Resource of Coal in India (as on 1<sup>st</sup> April 2021)****( Qty. in MT )**

| Depth<br>(Metre)   | Type of Coal  | Reserve       |               |              |               |
|--------------------|---------------|---------------|---------------|--------------|---------------|
|                    |               | Proved        | Indicated     | Inferred     | Total         |
| (1)                | (2)           | (3)           | (4)           | (5)          | (6)           |
| 0-600              | Prime Coking  | 4054          | 4             | 0            | 4058          |
| 600-1200           | Prime Coking  | 613           | 641           | 0            | 1255          |
| 0-300              | Medium Coking | 7749          | 4156          | 54           | 11960         |
| 300-600            | Medium Coking | 1230          | 4544          | 738          | 6512          |
| 0-600              | Medium Coking | 4345          | 2             | 0            | 4346          |
| 600-1200           | Medium Coking | 1647          | 2543          | 1071         | 5262          |
| 0-300              | Semi Coking   | 340           | 126           | 1            | 467           |
| 300-600            | Semi Coking   | 130           | 570           | 58           | 758           |
| 600-1200           | Semi Coking   | 59            | 296           | 128          | 483           |
| 0-300              | High Sulphur  | 408           | 105           | 909          | 1422          |
| 300-600            | High Sulphur  | 186           | 16            | 0            | 202           |
| 0-300              | Non Coking    | 117063        | 58523         | 7630         | 183216        |
| 300-600            | Non Coking    | 30757         | 60432         | 12306        | 103494        |
| 0-600              | Non Coking    | 5657          | 445           | 0            | 6102          |
| 600-1200           | Non Coking    | 2940          | 14546         | 5105         | 22590         |
| 0-300              | <b>Total</b>  | <b>125560</b> | <b>62910</b>  | <b>8593</b>  | <b>197064</b> |
| 300-600            | <b>Total</b>  | <b>32303</b>  | <b>65562</b>  | <b>13101</b> | <b>110966</b> |
| 0-600              | <b>Total</b>  | <b>14056</b>  | <b>450</b>    | <b>0</b>     | <b>14507</b>  |
| 600-1200           | <b>Total</b>  | <b>5260</b>   | <b>18026</b>  | <b>6304</b>  | <b>29589</b>  |
| <b>Grand Total</b> |               | <b>177179</b> | <b>146949</b> | <b>27998</b> | <b>352126</b> |

Source: Geological Survey of India

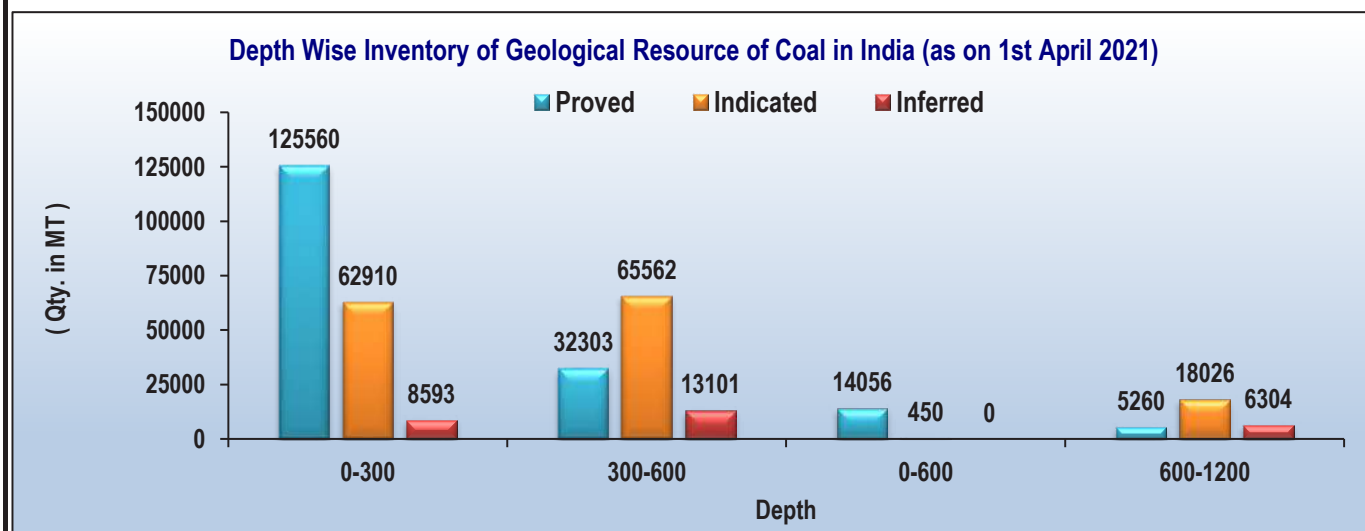


Table-2.5: Grade Wise Inventory of Non-Coking Coal Resource in Gondwana Coalfields of India (as on 1<sup>st</sup> April 2021)

(Qty. in MT)

| State/ Field          | Depth Range(M) | Proved        |                |                |                |                 |               |                 | Indicated     |                |                |                |                 |               |                 | Inferred       | Grand Total     |
|-----------------------|----------------|---------------|----------------|----------------|----------------|-----------------|---------------|-----------------|---------------|----------------|----------------|----------------|-----------------|---------------|-----------------|----------------|-----------------|
|                       |                | G1-G3         | G4-G5          | G6             | G7-G8          | G9-G14          | G15-G17       | Total           | G1-G3         | G4-G5          | G6             | G7-G8          | G9-G14          | G15-G17       | Total           |                |                 |
| (1)                   | (2)            | (3)           | (4)            | (5)            | (6)            | (7)             | (8)           | (9)             | (10)          | (11)           | (12)           | (13)           | (14)            | (15)          | (16)            | (17)           | (18)            |
| <b>West Bengal</b>    |                |               |                |                |                |                 |               |                 |               |                |                |                |                 |               |                 |                |                 |
| Raniganj              | 0-300          | 69.48         | 1534.93        | 3516.61        | 3040.51        | 2157.51         | 1.33          | 10320.37        | 23.13         | 183.93         | 456.60         | 411.81         | 506.36          |               | 1581.83         | 194.31         | 12096.51        |
|                       | 300-600        | 56.17         | 658.93         | 730.45         | 696.29         | 1215.00         | 2.41          | 3359.25         | 54.58         | 674.40         | 1185.63        | 682.08         | 639.90          |               | 3236.59         | 1880.44        | 8476.28         |
|                       | 600-1200       | 13.19         | 84.72          | 121.60         | 77.62          | 18.25           |               | 315.38          | 152.85        | 367.36         | 529.11         | 419.95         | 389.46          |               | 1858.73         | 1491.88        | 3665.99         |
|                       | 0-1200         | 138.84        | 2278.58        | 4368.66        | 3814.42        | 3390.76         | 3.74          | 13995.00        | 230.56        | 1225.69        | 2171.34        | 1513.84        | 1535.72         | 0.00          | 6677.15         | 3566.63        | 24238.78        |
| Barjora               | 0-300          |               |                |                | 0.34           | 200.45          |               | 200.79          |               |                |                |                |                 |               | 0.00            |                | 200.79          |
| Birbhum               | 0-300          |               | 0.29           | 2.25           | 47.53          | 101.39          | 2.38          | 153.84          | 1.28          |                | 31.04          | 168.30         | 587.95          | 3.06          | 791.63          | 123.53         | 1069.00         |
|                       | 300-600        |               | 0.24           | 4.94           | 25.94          | 32.44           | 0.31          | 63.87           |               | 49.83          | 1125.07        | 721.61         | 2283.22         | 10.59         | 4190.32         | 603.76         | 4857.95         |
|                       | 600-1200       |               |                |                |                |                 |               | 0.00            |               | 18.60          | 296.17         | 528.37         | 354.24          |               | 1197.38         | 174.05         | 1371.43         |
|                       | 0-1200         | 0.00          | 0.53           | 7.19           | 73.47          | 133.83          | 2.69          | 217.71          | 1.28          | 68.43          | 1452.28        | 1418.28        | 3225.41         | 13.65         | 6179.33         | 901.34         | 7298.38         |
| Darjeeling            | 0-300          |               |                |                |                |                 |               | 0.00            |               |                |                |                |                 |               | 0.00            | 15.00          | 15.00           |
| <b>Total</b>          |                | <b>138.84</b> | <b>2279.11</b> | <b>4375.85</b> | <b>3888.23</b> | <b>3725.04</b>  | <b>6.43</b>   | <b>14413.50</b> | <b>231.84</b> | <b>1294.12</b> | <b>3623.62</b> | <b>2932.12</b> | <b>4761.13</b>  | <b>13.65</b>  | <b>12856.48</b> | <b>4482.97</b> | <b>31752.95</b> |
| <b>Jharkhand</b>      |                |               |                |                |                |                 |               |                 |               |                |                |                |                 |               |                 |                |                 |
| Raniganj              | 0-300          |               | 3.04           | 51.03          | 190.45         | 867.01          |               | 1111.53         |               |                |                | 0.72           | 88.60           |               | 89.32           | 29.55          | 1230.40         |
|                       | 300-600        |               |                |                | 20.63          | 85.40           |               | 106.03          |               |                |                | 142.07         | 178.00          |               | 320.07          | 2.00           | 428.10          |
|                       | 0-600          | 0.00          | 3.04           | 51.03          | 211.08         | 952.41          | 0.00          | 1217.56         | 0.00          | 0.00           | 0.00           | 142.79         | 266.60          | 0.00          | 409.39          | 31.55          | 1658.50         |
| Jharia                | 300-600        | 63.39         | 42.84          | 86.85          | 462.04         | 5002.02         |               | 5657.14         | 6.08          | 2.27           | 0.99           | 7.60           | 427.92          |               | 444.86          |                | 6102.00         |
|                       | 600-1200       | 5.64          | 3.42           | 6.50           | 35.95          | 444.49          |               | 496.00          | 15.41         | 9.34           | 17.76          | 98.21          | 1214.28         |               | 1355.00         |                | 1851.00         |
|                       | 0-1200         | 69.03         | 46.26          | 93.35          | 497.99         | 5446.51         | 0.00          | 6153.14         | 21.49         | 11.61          | 18.75          | 105.81         | 1642.20         | 0.00          | 1799.86         | 0.00           | 7953.00         |
| East Bokaro           | 0-300          |               | 0.11           | 3.15           | 13.61          | 78.30           |               | 95.17           |               | 7.76           | 7.77           | 19.82          | 21.46           |               | 56.81           |                | 151.98          |
|                       | 300-600        |               |                | 0.30           | 1.55           | 7.05            |               | 8.90            |               | 0.40           | 0.40           | 1.61           | 3.28            |               | 5.69            |                | 14.59           |
|                       | 0-600          | 0.00          | 0.11           | 3.45           | 15.16          | 85.35           | 0.00          | 104.07          | 0.00          | 8.16           | 8.17           | 21.43          | 24.74           | 0.00          | 62.50           | 0.00           | 166.57          |
| West Bokaro           | 0-300          | 0.01          | 3.20           | 19.00          | 64.67          | 229.24          | 0.45          | 316.57          | 0.25          | 0.32           | 1.35           | 5.07           | 14.81           |               | 21.80           |                | 338.37          |
|                       | 300-600        |               | 0.51           | 2.66           | 10.12          | 12.39           |               | 25.68           |               | 0.25           | 1.81           | 7.11           | 9.89            | 0.01          | 19.07           |                | 44.75           |
|                       | 0-600          | 0.01          | 3.71           | 21.66          | 74.79          | 241.63          | 0.45          | 342.25          | 0.25          | 0.57           | 3.16           | 12.18          | 24.70           | 0.01          | 40.87           | 0.00           | 383.12          |
| Ramgarh               | 0-300          |               |                |                | 3.50           | 3.63            |               | 7.13            |               |                |                | 13.10          | 13.10           |               | 26.20           | 4.60           | 37.93           |
| North Karanpura       | 0-300          | 31.01         | 51.97          | 140.06         | 1017.32        | 7805.70         | 44.36         | 9090.42         | 6.56          | 1.42           | 4.61           | 316.73         | 1915.01         | 6.27          | 2250.60         | 722.03         | 12063.05        |
|                       | 300-600        | 0.11          | 2.34           | 21.04          | 235.66         | 881.59          | 1.99          | 1142.73         |               | 2.86           | 2.93           | 441.37         | 676.21          | 0.16          | 1123.53         | 729.50         | 2995.76         |
|                       | 600-1200       | 0.02          | 0.23           | 1.19           | 12.91          | 76.24           | 0.15          | 90.74           |               |                |                |                |                 |               | 0.00            |                | 90.74           |
|                       | 0-1200         | 31.14         | 54.54          | 162.29         | 1265.89        | 8763.53         | 46.50         | 10323.89        | 6.56          | 4.28           | 7.54           | 758.10         | 2591.22         | 6.43          | 3374.13         | 1451.53        | 15149.55        |
| South Karanpura       | 0-300          | 149.90        | 151.51         | 373.55         | 830.10         | 1735.11         | 0.60          | 3240.77         | 0.02          | 40.07          | 84.33          | 138.40         | 116.21          |               | 379.03          | 262.40         | 3882.20         |
|                       | 300-600        | 11.85         | 106.04         | 148.97         | 559.46         | 546.37          | 0.23          | 1372.92         | 0.19          | 35.97          | 46.78          | 120.80         | 172.58          |               | 376.32          | 584.65         | 2333.89         |
|                       | 600-1200       | 1.17          | 69.45          | 176.24         | 258.30         | 57.21           | 0.02          | 562.39          |               |                | 7.53           | 9.35           | 26.65           |               | 43.53           |                | 605.92          |
|                       | 0-1200         | 162.92        | 327.00         | 698.76         | 1647.86        | 2338.69         | 0.85          | 5176.08         | 0.21          | 76.04          | 138.64         | 268.55         | 315.44          | 0.00          | 798.88          | 847.05         | 6822.01         |
| Aurangabad            | 0-300          |               |                |                | 0.04           | 352.01          |               | 352.05          |               | 8.04           | 11.03          | 134.71         | 1087.44         |               | 1241.22         | 43.07          | 1636.34         |
|                       | 300-600        |               |                |                |                |                 |               | 0.00            |               |                | 22.33          | 95.19          | 749.49          |               | 867.01          | 423.07         | 1290.08         |
|                       | 600-1200       |               |                |                |                |                 |               | 0.00            |               |                |                | 14.74          | 18.68           |               | 33.42           | 37.27          | 70.69           |
|                       | 0-1200         | 0.00          | 0.00           | 0.00           | 0.04           | 352.01          | 0.00          | 352.05          | 0.00          | 8.04           | 33.36          | 244.64         | 1855.61         | 0.00          | 2141.65         | 503.41         | 2997.11         |
| Hutar                 | 0-300          | 28.39         | 56.51          | 41.01          | 40.23          | 24.65           |               | 190.79          | 4.22          | 5.00           | 5.00           |                |                 |               | 14.22           | 32.48          | 237.49          |
|                       | 300-600        |               |                |                |                |                 |               | 0.00            | 3.17          | 3.83           | 3.83           | 0.72           | 0.78            |               | 12.33           |                | 12.33           |
|                       | 0-600          | 28.39         | 56.51          | 41.01          | 40.23          | 24.65           | 0.00          | 190.79          | 7.39          | 8.83           | 8.83           | 0.72           | 0.78            | 0.00          | 26.55           | 32.48          | 249.82          |
| Daltonganj            | 0-300          | 10.00         | 20.00          | 29.00          | 4.00           | 20.86           |               | 83.86           | 7.14          | 14.28          | 20.71          | 2.86           | 15.11           |               | 60.10           |                | 143.96          |
| Deogarh               | 0-300          | 0.87          | 25.19          | 70.81          | 90.03          | 139.34          |               | 326.24          | 0.20          | 5.68           | 15.97          | 20.31          | 31.44           |               | 73.60           |                | 400             |
| Rajmahal              | 0-300          |               | 0.69           | 55.30          | 346.46         | 6278.72         | 97.47         | 6778.64         | 0.34          | 27.73          | 311.72         | 1486.85        | 4260.83         | 35.47         | 6122.94         | 387.33         | 13288.91        |
|                       | 300-600        |               |                | 9.09           | 120.13         | 1806.17         | 19.82         | 1955.21         |               | 30.45          | 391.86         | 1044.64        | 1614.18         | 32.17         | 3113.30         | 381.87         | 5450.38         |
|                       | 600-1200       |               |                |                | 77.42          |                 |               | 77.42           |               |                |                | 0.71           | 29.75           |               | 30.46           | 5.10           | 112.98          |
|                       | 0-1200         | 0.00          | 0.69           | 64.39          | 466.59         | 8162.31         | 117.29        | 8811.27         | 0.34          | 58.18          | 703.58         | 2532.20        | 5904.76         | 67.64         | 9266.70         | 774.30         | 18852.27        |
| <b>Total</b>          |                | <b>302.36</b> | <b>537.05</b>  | <b>1235.75</b> | <b>4317.16</b> | <b>26530.92</b> | <b>165.09</b> | <b>33088.33</b> | <b>43.58</b>  | <b>195.67</b>  | <b>958.71</b>  | <b>4122.69</b> | <b>12685.70</b> | <b>74.08</b>  | <b>18080.43</b> | <b>3644.92</b> | <b>54813.68</b> |
| <b>Bihar</b>          |                |               |                |                |                |                 |               |                 |               |                |                |                |                 |               |                 |                |                 |
| Rajmahal              | 0-300          |               |                |                |                | 291.08          | 18.45         | 309.53          |               |                |                | 72.90          | 914.51          | 116.84        | 1104.25         | 11.30          | 1425.08         |
|                       | 300-600        |               |                |                |                |                 |               | 0.00            |               | 1.37           | 44.63          | 288.84         | 1102.08         | 99.51         | 1536.43         |                | 1536.43         |
|                       | 600-1200       |               |                |                |                |                 |               | 0.00            |               | 4.25           | 22.25          | 50.08          | 395.12          | 30.86         | 502.56          |                | 502.56          |
|                       | 0-1200         | 0.00          | 0.00           | 0.00           | 0.00           | 291.08          | 18.45         | 309.53          | 0.00          | 5.62           | 66.88          | 411.82         | 2411.71         | 247.21        | 3143.24         | 11.30          | 3464.07         |
| <b>Total</b>          |                | <b>0.00</b>   | <b>0.00</b>    | <b>0.00</b>    | <b>0.00</b>    | <b>291.08</b>   | <b>18.45</b>  | <b>309.53</b>   | <b>0.00</b>   | <b>5.62</b>    | <b>66.88</b>   | <b>411.82</b>  | <b>2411.71</b>  | <b>247.21</b> | <b>3143.24</b>  | <b>11.30</b>   | <b>3464.07</b>  |
| <b>Madhya Pradesh</b> |                |               |                |                |                |                 |               |                 |               |                |                |                |                 |               |                 |                |                 |
| Johilla               | 0-300          | 0.31          | 36.17          | 70.29          | 44.33          | 33.98           |               | 185.08          |               | 32.77          | 32.99          | 20.02          | 62.58           | 12.87         | 161.23          | 32.83          | 379.14          |
|                       | 300-600        |               |                |                |                |                 |               | 0.00            |               | 1.20           | 0.70           | 3.61           | 76.42           | 13.12         | 95.05           |                | 95.05           |
|                       | 600-1200       |               |                |                |                |                 |               | 0.00            |               |                |                |                | 6.31            |               | 6.31            |                | 6.31            |
|                       | 0-1200         | 0.31          | 36.17          | 70.29          | 44.33          | 33.98           | 0.00          | 185.08          | 0.00          | 33.97          | 33.69          | 23.63          | 145.31          | 25.99         | 262.59          | 32.83          | 480.50          |

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Table-2.5: Grade Wise Inventory of Non-Coking Coal Resource in Gondwana Coalfields of India (as on 1<sup>st</sup> April 2021)

(Qty. in MT)

| State/ Field         | Depth Range(M) | Proved        |               |                |                |                 |                |                 | Indicated     |                |                |                |                 |               |                 | Inferred       | Grand Total     |
|----------------------|----------------|---------------|---------------|----------------|----------------|-----------------|----------------|-----------------|---------------|----------------|----------------|----------------|-----------------|---------------|-----------------|----------------|-----------------|
|                      |                | G1-G3         | G4-G5         | G6             | G7-G8          | G9-G14          | G15-G17        | Total           | G1-G3         | G4-G5          | G6             | G7-G8          | G9-G14          | G15-G17       | Total           |                |                 |
| (1)                  | (2)            | (3)           | (4)           | (5)            | (6)            | (7)             | (8)            | (9)             | (10)          | (11)           | (12)           | (13)           | (14)            | (15)          | (16)            | (17)           | (18)            |
| Umari                | 0-300          | 0.50          | 11.63         | 39.02          | 59.69          | 66.86           |                | 177.70          | 0.11          | 0.49           | 1.02           | 1.36           | 0.61            |               | 3.59            |                | 181.29          |
| Pench-Kanhan         | 0-300          | 54.31         | 169.24        | 315.91         | 334.73         | 370.83          | 0.04           | 1245.06         | 12.11         | 32.38          | 56.07          | 82.77          | 34.43           |               | 217.76          | 173.49         | 1636.31         |
|                      | 300-600        | 24.91         | 116.22        | 120.16         | 177.43         | 173.64          | 0.27           | 612.63          | 21.53         | 90.67          | 106.54         | 27.09          | 51.17           | 4.50          | 301.50          | 767.83         | 1681.96         |
|                      | 600-1200       | 0.23          | 0.26          | 0.26           | 0.39           | 0.06            |                | 1.20            | 1.02          | 1.39           | 0.23           | 0.77           | 0.17            |               | 3.58            | 66.46          | 71.24           |
|                      | 0-1200         | 79.45         | 285.72        | 436.33         | 512.55         | 544.53          | 0.31           | 1858.89         | 34.66         | 124.44         | 162.84         | 110.63         | 85.77           | 4.50          | 522.84          | 1007.78        | 3389.51         |
| Pathakhara           | 0-300          | 1.08          | 13.12         | 63.51          | 87.45          | 95.92           |                | 261.08          |               | 2.76           | 4.36           | 12.54          | 32.04           |               | 51.70           |                | 312.78          |
|                      | 300-600        |               | 0.22          | 4.73           | 13.63          | 11.14           |                | 29.72           |               |                | 2.72           | 14.68          | 19.03           |               | 36.43           | 68.00          | 134.15          |
|                      | 0-600          | 1.08          | 13.34         | 68.24          | 101.08         | 107.06          | 0.00           | 290.80          | 0.00          | 2.76           | 7.08           | 27.22          | 51.07           | 0.00          | 88.13           | 68.00          | 446.93          |
| Gurgunda             | 0-300          |               |               |                |                |                 |                | 0.00            |               | 0.18           | 3.74           | 5.67           | 62.95           |               | 72.54           | 2.25           | 74.79           |
|                      | 300-600        |               |               |                |                |                 |                | 0.00            |               | 0.52           | 0.50           | 0.24           | 11.12           |               | 12.38           | 44.98          | 57.36           |
|                      | 600-1200       |               |               |                |                |                 |                | 0.00            |               |                |                |                |                 |               | 0.00            | 6.16           | 6.16            |
|                      | 0-1200         | 0.00          | 0.00          | 0.00           | 0.00           | 0.00            | 0.00           | 0.00            | 0.00          | 0.70           | 4.24           | 5.91           | 74.07           | 0.00          | 84.92           | 53.39          | 138.31          |
| Mohpani              | 0-300          |               |               |                |                | 7.83            |                | 7.83            |               |                |                |                |                 |               |                 |                | 7.83            |
| Sohagpur             | 0-300          | 114.62        | 260.70        | 454.86         | 423.14         | 563.03          | 2.47           | 1818.82         | 105.86        | 436.05         | 865.38         | 683.99         | 709.74          | 5.70          | 2806.72         | 169.60         | 4795.14         |
|                      | 300-600        | 0.07          | 6.34          | 7.35           | 19.48          | 29.36           | 1.10           | 63.70           | 122.83        | 416.78         | 530.59         | 311.50         | 274.45          | 2.67          | 1658.82         | 9.62           | 1732.14         |
|                      | 600-1200       |               |               |                |                |                 |                | 0.00            | 0.96          | 12.64          | 3.14           | 9.22           | 7.65            |               | 33.61           |                | 33.61           |
|                      | 0-1200         | 114.69        | 267.04        | 462.21         | 442.62         | 592.39          | 3.57           | 1882.52         | 229.65        | 865.47         | 1399.11        | 1004.71        | 991.84          | 8.37          | 4499.15         | 179.22         | 6560.89         |
| Singrauli            | 0-300          | 5.08          | 102.19        | 815.21         | 1415.03        | 4008.69         | 19.68          | 6365.88         | 39.57         | 163.87         | 691.84         | 371.06         | 876.26          | 83.09         | 2225.69         | 1153.32        | 9744.89         |
|                      | 300-600        | 2.60          | 52.20         | 170.09         | 676.28         | 1432.23         | 11.77          | 2345.17         | 33.54         | 400.92         | 629.41         | 1158.58        | 1217.11         | 86.35         | 3525.91         | 768.21         | 6639.29         |
|                      | 600-1200       |               | 0.71          | 0.56           | 0.61           | 8.83            | 0.10           | 10.81           | 17.35         | 76.39          | 74.65          | 68.48          | 48.26           | 1.82          | 286.95          | 142.19         | 439.95          |
|                      | 0-1200         | 7.68          | 155.10        | 985.86         | 2091.92        | 5449.75         | 31.55          | 8721.86         | 90.46         | 641.18         | 1395.90        | 1598.12        | 2141.63         | 171.26        | 6038.55         | 2063.72        | 16824.13        |
| <b>Total</b>         |                | <b>203.71</b> | <b>769.00</b> | <b>2061.95</b> | <b>3252.19</b> | <b>6802.40</b>  | <b>35.43</b>   | <b>13124.68</b> | <b>354.88</b> | <b>1669.01</b> | <b>3003.88</b> | <b>2771.58</b> | <b>3490.30</b>  | <b>210.12</b> | <b>11499.77</b> | <b>3404.94</b> | <b>28029.39</b> |
| <b>Chhattisgarh</b>  |                |               |               |                |                |                 |                |                 |               |                |                |                |                 |               |                 |                |                 |
| Sohagpur             | 0-300          | 23.20         | 35.40         | 29.02          | 4.92           | 1.76            |                | 94.30           | 0.43          | 1.28           | 6.99           | 0.96           | 0.42            |               | 10.08           |                | 104.38          |
| Sonhat               | 0-300          | 25.77         | 50.66         | 25.08          | 21.83          | 71.87           | 5.28           | 200.49          |               | 8.46           | 38.10          | 266.81         | 528.81          |               | 842.18          |                | 1042.67         |
|                      | 300-600        | 11.82         | 31.71         | 14.28          | 21.41          | 14.34           | 0.01           | 93.57           | 2.49          | 115.60         | 192.89         | 353.34         | 129.21          |               | 793.53          | 1.89           | 888.99          |
|                      | 600-1200       |               |               |                |                |                 |                | 0.00            | 0.10          | 46.09          | 105.85         | 176.77         | 240.04          |               | 568.85          |                | 568.85          |
|                      | 0-1200         | 37.59         | 82.37         | 39.36          | 43.24          | 86.21           | 5.29           | 294.06          | 2.59          | 170.15         | 336.84         | 796.92         | 898.06          | 0.00          | 2204.56         | 1.89           | 2500.51         |
| Jhilimili            | 0-300          | 64.86         | 49.70         | 27.40          | 15.02          | 71.22           |                | 228.20          | 14.02         | 10.11          | 7.78           | 0.66           | 6.33            |               | 38.90           |                | 267.10          |
| Chirimiri            | 0-300          | 66.14         | 116.11        | 116.09         | 11.00          | 10.99           |                | 320.33          | 0.76          | 5.04           | 5.03           |                |                 |               | 10.83           | 31.00          | 362.16          |
| Bisrampur            | 0-300          | 101.86        | 298.03        | 189.75         | 294.27         | 791.22          | 56.50          | 1731.63         | 18.30         | 52.66          | 117.58         | 163.29         | 336.95          | 7.13          | 695.91          | 5.15           | 2432.69         |
|                      | 300-600        | 0.02          | 2.14          | 0.40           | 0.44           |                 |                | 3.00            |               |                |                |                |                 |               | 0.00            |                | 3.00            |
|                      | 0-600          | 101.88        | 300.17        | 190.15         | 294.71         | 791.22          | 56.50          | 1734.63         | 18.30         | 52.66          | 117.58         | 163.29         | 336.95          | 7.13          | 695.91          | 5.15           | 2435.69         |
| East of Bisrat       | 0-300          |               |               |                |                |                 |                | 0.00            | 14.95         | 5.59           | 28.17          | 77.54          | 38.57           |               | 164.82          |                | 164.82          |
| Lakhanpur            | 0-300          | 4.22          | 44.21         | 125.23         | 135.25         | 146.97          |                | 455.88          |               |                | 0.03           | 0.79           | 2.53            |               | 3.35            |                | 459.23          |
| Panchbahini          | 0-300          |               |               |                |                |                 |                | 0.00            |               | 0.01           | 6.60           | 1.73           | 2.66            |               | 11.00           |                | 11.00           |
| Hasdo-Arand          | 0-300          | 1.36          | 18.41         | 100.95         | 360.57         | 1540.55         |                | 2021.84         | 61.42         | 151.19         | 634.46         | 1279.95        | 1086.42         |               | 3213.44         | 220.15         | 5455.43         |
|                      | 300-600        |               |               | 0.06           | 1.43           | 8.95            |                | 10.44           | 8.69          | 28.80          | 12.06          | 8.12           | 2.31            |               | 59.98           | 2.97           | 73.39           |
|                      | 0-600          | 1.36          | 18.41         | 101.01         | 362.00         | 1549.50         | 0.00           | 2032.28         | 70.11         | 179.99         | 646.52         | 1288.07        | 1088.73         | 0.00          | 3273.42         | 223.12         | 5528.82         |
| Sendurgarh           | 0-300          | 0.78          | 27.79         | 48.24          | 32.53          | 43.55           |                | 152.89          | 11.57         | 51.22          | 30.77          | 19.27          | 13.49           |               | 126.32          |                | 279.21          |
| Korba                | 0-300          | 224.93        | 112.03        | 150.14         | 270.32         | 5038.87         | 168.09         | 5964.38         | 37.87         | 31.39          | 107.91         | 126.51         | 3188.52         | 1.11          | 3493.31         | 96.23          | 9553.92         |
|                      | 300-600        | 16.28         | 5.64          | 5.60           | 41.32          | 990.22          | 28.97          | 1088.03         | 2.57          |                | 30.33          | 366.32         | 1870.02         |               | 2269.24         | 62.60          | 3419.87         |
|                      | 600-1200       |               | 0.12          |                |                | 1.64            | 0.38           | 2.14            |               |                |                |                |                 |               | 0.00            |                | 2.14            |
|                      | 0-600          | 241.21        | 117.79        | 155.74         | 311.64         | 6030.73         | 197.44         | 7054.55         | 40.44         | 31.39          | 138.24         | 492.83         | 5058.54         | 1.11          | 5762.55         | 158.83         | 12975.93        |
| Mand-Raigarh         | 0-300          | 24.40         | 42.27         | 222.50         | 747.20         | 11160.17        | 625.27         | 12821.81        | 78.87         | 56.79          | 254.80         | 1742.73        | 8374.97         | 296.57        | 10804.73        | 418.83         | 24045.37        |
|                      | 300-600        | 84.05         | 65.85         | 220.14         | 788.79         | 3694.21         | 205.41         | 5058.45         | 96.64         | 77.18          | 329.58         | 1169.00        | 8748.24         | 429.76        | 10850.40        | 505.22         | 16414.07        |
|                      | 600-1200       |               | 0.25          | 7.95           | 34.26          | 54.17           | 1.45           | 98.08           | 0.50          | 6.10           | 92.34          | 303.79         | 2729.41         | 71.76         | 3203.90         |                | 3301.98         |
|                      | 0-1200         | 108.45        | 108.37        | 450.59         | 1570.25        | 14908.55        | 832.13         | 17978.34        | 176.01        | 140.07         | 676.72         | 3215.52        | 19852.62        | 798.09        | 24859.03        | 924.05         | 43761.42        |
| Tatapani             | 0-300          | 4.72          | 25.70         | 31.46          | 77.21          | 421.79          | 25.57          | 586.45          | 20.08         | 51.50          | 172.55         | 206.38         | 401.52          | 7.32          | 859.35          | 13.70          | 1459.50         |
| Ramkola              | 300-600        | 10.54         | 19.06         | 16.52          | 61.85          | 415.08          | 24.62          | 547.67          | 55.61         | 119.69         | 240.58         | 358.74         | 936.18          | 50.93         | 1761.73         | 79.25          | 2388.65         |
|                      | 600-1200       | 1.95          | 2.09          | 0.84           | 2.67           | 3.58            | 0.07           | 11.20           | 20.82         | 57.03          | 33.91          | 97.65          | 328.95          | 5.54          | 543.90          |                | 555.10          |
|                      | 0-1200         | 17.21         | 46.85         | 48.82          | 141.73         | 840.45          | 50.26          | 1145.32         | 96.51         | 228.22         | 447.04         | 662.77         | 1666.65         | 63.79         | 3164.98         | 92.95          | 4403.25         |
| <b>Total</b>         |                | <b>666.90</b> | <b>947.17</b> | <b>1331.65</b> | <b>2922.29</b> | <b>24481.15</b> | <b>1141.62</b> | <b>31490.78</b> | <b>445.69</b> | <b>875.73</b>  | <b>2448.31</b> | <b>6720.35</b> | <b>28965.55</b> | <b>870.12</b> | <b>40325.75</b> | <b>1436.99</b> | <b>73253.52</b> |
| <b>Uttar Pradesh</b> |                |               |               |                |                |                 |                |                 |               |                |                |                |                 |               |                 |                |                 |
| Singrauli            | 0-300          |               |               | 8.05           | 275.80         | 600.19          |                | 884.04          |               |                |                | 99.09          | 78.67           |               | 177.76          |                | 1061.80         |
| <b>Total</b>         |                | <b>0.00</b>   | <b>0.00</b>   | <b>8.05</b>    | <b>275.80</b>  | <b>600.19</b>   | <b>0.00</b>    | <b>884.04</b>   | <b>0.00</b>   | <b>0.00</b>    | <b>0.00</b>    | <b>99.09</b>   | <b>78.67</b>    | <b>0.00</b>   | <b>177.76</b>   | <b>0.00</b>    | <b>1061.80</b>  |

Contd.....

|                    |          |      |       |        |         |         |       |         |       |       |        |        |         |      |         |         |         |
|--------------------|----------|------|-------|--------|---------|---------|-------|---------|-------|-------|--------|--------|---------|------|---------|---------|---------|
| <b>Maharashtra</b> |          |      |       |        |         |         |       |         |       |       |        |        |         |      |         |         |         |
| Wardha Valley      | 0-300    |      | 31.82 | 299.11 | 1724.26 | 2286.55 | 46.49 | 4388.23 |       | 24.33 | 46.14  | 323.64 | 394.23  | 5.56 | 793.90  | 267.94  | 5450.07 |
|                    | 300-600  |      |       | 1.84   | 49.21   | 264.11  | 9.51  | 324.67  |       | 46.03 | 105.52 | 216.33 | 585.09  | 3.43 | 956.40  | 1146.05 | 2427.12 |
|                    | 600-1200 |      |       |        |         | 0.54    |       | 0.54    |       |       |        | 11.09  | 24.03   |      | 35.12   | 26.99   | 62.65   |
|                    | 0-1200   | 0.00 | 31.82 | 300.95 | 1773.47 | 2551.20 | 56.00 | 4713.44 | 0.00  | 70.36 | 151.66 | 551.06 | 1003.35 | 8.99 | 1785.42 | 1440.98 | 7939.84 |
| Kamptee            | 0-300    | 2.20 | 69.29 | 340.10 | 438.97  | 640.48  | 0.99  | 1492.03 | 4.87  | 8.36  | 101.83 | 111.40 | 160.67  | 0.06 | 387.19  | 28.73   | 1907.95 |
|                    | 300-600  | 4.29 | 39.71 | 50.30  | 178.47  | 216.51  | 5.22  | 494.50  | 16.73 | 25.15 | 171.67 | 81.57  | 182.78  | 0.48 | 478.38  | 48.20   | 1021.08 |

Table-2.5: Grade Wise Inventory of Non-Coking Coal Resource in Gondwana Coalfields of India (as on 1<sup>st</sup> April 2021)

(Qty. in MT)

| State/ Field          | Depth Range(M) | Proved         |                |                 |                 |                  |                |                  | Indicated      |                |                 |                 |                 |                |                  | Inferred        | Grand Total      |
|-----------------------|----------------|----------------|----------------|-----------------|-----------------|------------------|----------------|------------------|----------------|----------------|-----------------|-----------------|-----------------|----------------|------------------|-----------------|------------------|
|                       |                | G1-G3          | G4-G5          | G6              | G7-G8           | G9-G14           | G15-G17        | Total            | G1-G3          | G4-G5          | G6              | G7-G8           | G9-G14          | G15-G17        | Total            |                 |                  |
| (1)                   | (2)            | (3)            | (4)            | (5)             | (6)             | (7)              | (8)            | (9)              | (10)           | (11)           | (12)            | (13)            | (14)            | (15)           | (16)             | (17)            | (18)             |
|                       | 600-1200       | 3.54           | 12.08          | 6.03            | 10.20           | 27.06            | 0.80           | 59.71            | 8.13           | 16.93          | 5.74            | 9.86            | 30.59           | 1.09           | 72.34            | 30.28           | 162.33           |
|                       | 0-1200         | 10.03          | 121.08         | 396.43          | 627.64          | 884.05           | 7.01           | 2046.24          | 29.73          | 50.44          | 279.24          | 202.83          | 374.04          | 1.63           | 937.91           | 107.21          | 3091.36          |
| Umrer-Makardhokra     | 0-300          |                | 0.53           | 42.18           | 127.29          | 138.41           |                | 308.41           |                |                |                 |                 |                 |                |                  | 65.53           | 373.94           |
|                       | 300-600        |                |                |                 |                 |                  |                | 0.00             |                |                |                 |                 |                 |                |                  | 83.22           | 83.22            |
|                       | 600-1200       |                |                |                 |                 |                  |                | 0.00             |                |                |                 |                 |                 |                |                  | 11.95           | 11.95            |
|                       | 0-1200         | 0.00           | 0.53           | 42.18           | 127.29          | 138.41           | 0.00           | 308.41           | 0.00           | 0.00           | 0.00            | 0.00            | 0.00            | 0.00           | 0.00             | 160.70          | 469.11           |
| Nand-Bander           | 0-300          | 2.80           | 48.30          | 93.06           | 125.35          | 177.22           | 0.08           | 446.81           |                | 7.16           | 87.68           | 134.17          | 119.00          |                | 348.01           | 102.06          | 896.88           |
|                       | 300-600        | 0.06           | 8.53           | 22.84           | 46.11           | 167.07           | 0.02           | 244.63           |                | 14.52          | 82.45           | 63.88           | 66.53           |                | 227.38           | 15.58           | 487.59           |
|                       | 600-1200       |                |                |                 |                 |                  |                | 0.00             |                | 5.40           | 9.19            | 5.57            | 0.64            |                | 20.80            | 0.06            | 20.86            |
|                       | 0-1200         | 2.86           | 56.83          | 115.90          | 171.46          | 344.29           | 0.10           | 691.44           | 0.00           | 27.08          | 179.32          | 203.62          | 186.17          | 0.00           | 596.19           | 117.70          | 1405.33          |
| Bokhara               | 0-300          |                | 1.33           | 1.33            | 2.66            | 4.68             |                | 10.00            |                |                |                 |                 |                 |                | 0.00             | 20.00           | 30.00            |
| <b>Total</b>          |                | <b>12.89</b>   | <b>211.59</b>  | <b>856.79</b>   | <b>2702.52</b>  | <b>3922.63</b>   | <b>63.11</b>   | <b>7769.53</b>   | <b>29.73</b>   | <b>147.88</b>  | <b>610.22</b>   | <b>957.51</b>   | <b>1563.56</b>  | <b>10.62</b>   | <b>3319.52</b>   | <b>1846.59</b>  | <b>12935.64</b>  |
| <b>Odisha</b>         |                |                |                |                 |                 |                  |                |                  |                |                |                 |                 |                 |                |                  |                 |                  |
| Ib-River              | 0-300          | 0.33           | 4.60           | 55.05           | 413.03          | 11924.24         | 707.99         | 13105.24         | 4.15           | 10.56          | 70.14           | 244.24          | 5008.81         | 100.66         | 5438.56          |                 | 18543.80         |
|                       | 300-600        | 0.41           | 44.44          | 72.68           | 211.40          | 2550.96          | 378.83         | 3258.72          | 15.86          | 132.11         | 207.66          | 553.81          | 5060.99         | 227.17         | 6197.60          | 2227.77         | 11684.09         |
|                       | 600-1200       | 0.01           | 0.86           | 0.06            | 0.04            |                  |                | 0.97             | 5.60           | 20.41          | 35.63           | 131.67          | 1574.16         | 105.41         | 1872.88          |                 | 1873.85          |
|                       | 0-1200         | 0.75           | 49.90          | 127.79          | 624.47          | 14475.20         | 1086.82        | 16364.93         | 25.61          | 163.08         | 313.43          | 929.72          | 11643.96        | 433.24         | 13509.04         | 2227.77         | 32101.74         |
| Talcher               | 0-300          | 25.56          | 244.58         | 309.46          | 711.23          | 20464.55         | 782.43         | 22537.81         | 35.59          | 106.17         | 217.23          | 962.71          | 6984.03         | 19.19          | 8324.92          | 2549.82         | 33412.55         |
|                       | 300-600        | 5.05           | 26.82          | 42.39           | 147.12          | 3486.83          | 479.18         | 4187.39          | 48.06          | 190.11         | 292.53          | 1356.52         | 10078.83        | 28.21          | 11994.26         | 1083.56         | 17265.21         |
|                       | 600-1200       | 6.04           | 10.44          | 6.16            | 18.19           | 194.09           | 0.53           | 235.45           |                | 11.00          | 52.55           | 69.86           | 1260.48         |                | 1393.89          | 469.21          | 2098.55          |
|                       | 0-1200         | 36.65          | 281.84         | 358.01          | 876.54          | 24145.47         | 1262.14        | 26960.65         | 83.65          | 307.28         | 562.31          | 2389.09         | 18323.34        | 47.40          | 21713.07         | 4102.59         | 52776.31         |
| <b>Total</b>          |                | <b>37.40</b>   | <b>331.74</b>  | <b>485.80</b>   | <b>1501.01</b>  | <b>38620.67</b>  | <b>2348.96</b> | <b>43325.58</b>  | <b>109.26</b>  | <b>470.36</b>  | <b>875.74</b>   | <b>3318.81</b>  | <b>29967.30</b> | <b>480.64</b>  | <b>35222.11</b>  | <b>6330.36</b>  | <b>84878.05</b>  |
| <b>Andhra Pradesh</b> |                |                |                |                 |                 |                  |                |                  |                |                |                 |                 |                 |                |                  |                 |                  |
| Godavari              | 0-300          |                |                | 0.02            | 2.73            | 78.97            | 45.16          | 126.88           |                |                | 1.78            | 14.14           | 364.07          |                | 379.99           | 45.03           | 551.90           |
|                       | 300-600        |                |                | 0.03            | 1.18            | 102.58           | 21.17          | 124.96           |                |                | 1.11            | 7.73            | 454.35          |                | 463.19           | 106.42          | 694.57           |
|                       | 600-1200       |                | 0.06           | 0.40            | 10.76           | 637.73           | 20.17          | 669.12           |                |                |                 |                 | 57.89           |                | 57.89            | 273.74          | 1000.75          |
|                       | 0-1200         | 0.00           | 0.06           | 0.45            | 14.67           | 819.28           | 86.50          | 920.96           | 0.00           | 0.00           | 2.89            | 21.87           | 876.31          | 0.00           | 901.07           | 425.19          | 2247.22          |
| <b>Total</b>          |                | <b>0.00</b>    | <b>0.06</b>    | <b>0.45</b>     | <b>14.67</b>    | <b>819.28</b>    | <b>86.50</b>   | <b>920.96</b>    | <b>0.00</b>    | <b>0.00</b>    | <b>2.89</b>     | <b>21.87</b>    | <b>876.31</b>   | <b>0.00</b>    | <b>901.07</b>    | <b>425.19</b>   | <b>2247.22</b>   |
| <b>Telangana</b>      |                |                |                |                 |                 |                  |                |                  |                |                |                 |                 |                 |                |                  |                 |                  |
| Godavari              | 0-300          | 46.59          | 241.02         | 1241.02         | 1301.71         | 3711.99          | 3.65           | 6545.98          | 45.46          | 96.01          | 333.36          | 516.87          | 1984.91         |                | 2976.61          | 365.84          | 9888.43          |
|                       | 300-600        | 34.11          | 224.41         | 721.64          | 1171.75         | 2079.98          | 2.87           | 4234.76          | 43.68          | 148.44         | 483.03          | 686.71          | 2564.82         |                | 3926.68          | 697.87          | 8859.31          |
|                       | 600-1200       | 2.24           | 15.64          | 19.19           | 87.95           | 183.34           | 0.07           | 308.43           | 8.16           | 149.74         | 228.90          | 410.39          | 627.78          |                | 1424.97          | 2369.36         | 4102.76          |
|                       | 0-1200         | 82.94          | 481.07         | 1981.85         | 2561.41         | 5975.31          | 6.59           | 11089.17         | 97.30          | 394.19         | 1045.29         | 1613.97         | 5177.51         | 0.00           | 8328.26          | 3433.07         | 22850.50         |
| <b>Total</b>          |                | <b>82.94</b>   | <b>481.07</b>  | <b>1981.85</b>  | <b>2561.41</b>  | <b>5975.31</b>   | <b>6.59</b>    | <b>11089.17</b>  | <b>97.30</b>   | <b>394.19</b>  | <b>1045.29</b>  | <b>1613.97</b>  | <b>5177.51</b>  | <b>0.00</b>    | <b>8328.26</b>   | <b>3433.07</b>  | <b>22850.50</b>  |
| <b>Assam</b>          |                |                |                |                 |                 |                  |                |                  |                |                |                 |                 |                 |                |                  |                 |                  |
| Singrimari            | 0-300          |                |                |                 |                 |                  |                | 0.00             |                | 2.79           |                 | 4.83            | 3.02            |                | 10.64            |                 | 10.64            |
|                       | 300-600        |                |                |                 |                 |                  |                | 0.00             |                |                |                 | 0.55            | 2.91            |                | 3.46             |                 | 3.46             |
|                       | 600-1200       |                |                |                 |                 |                  |                | 0.00             |                |                |                 |                 |                 |                | 0.00             |                 | 0.00             |
|                       | 0-1200         | 0.00           | 0.00           | 0.00            | 0.00            | 0.00             | 0.00           | 0.00             | 0.00           | 2.79           | 0.00            | 5.38            | 5.93            | 0.00           | 14.10            | 0.00            | 14.10            |
| <b>Total</b>          |                | <b>0.00</b>    | <b>0.00</b>    | <b>0.00</b>     | <b>0.00</b>     | <b>0.00</b>      | <b>0.00</b>    | <b>0.00</b>      | <b>0.00</b>    | <b>2.79</b>    | <b>0.00</b>     | <b>5.38</b>     | <b>5.93</b>     | <b>0.00</b>    | <b>14.10</b>     | <b>0.00</b>     | <b>14.10</b>     |
| <b>Sikkim</b>         |                |                |                |                 |                 |                  |                |                  |                |                |                 |                 |                 |                |                  |                 |                  |
| Rangit Valley         | 0-300          |                |                |                 |                 |                  |                | 0.00             |                |                | 4.43            | 48.21           | 5.61            |                | 58.25            | 42.98           | 101.23           |
| <b>Total</b>          |                | <b>0.00</b>    | <b>0.00</b>    | <b>0.00</b>     | <b>0.00</b>     | <b>0.00</b>      | <b>0.00</b>    | <b>0.00</b>      | <b>0.00</b>    | <b>0.00</b>    | <b>4.43</b>     | <b>48.21</b>    | <b>5.61</b>     | <b>0.00</b>    | <b>58.25</b>     | <b>42.98</b>    | <b>101.23</b>    |
| <b>Grand Total</b>    |                | <b>1445.04</b> | <b>5556.79</b> | <b>12338.14</b> | <b>21435.28</b> | <b>111768.67</b> | <b>3872.18</b> | <b>156416.10</b> | <b>1312.28</b> | <b>5055.37</b> | <b>12639.97</b> | <b>23023.40</b> | <b>89989.28</b> | <b>1906.44</b> | <b>133926.74</b> | <b>25059.31</b> | <b>315402.15</b> |

Source: Geological Survey Of India

**Table - 2.6 : State Wise Inventory of Geological Resources of Lignite in India**  
(as on 1<sup>st</sup> April )

(Qty. in MT)

| State       | As on    | Resources |           |          |          |
|-------------|----------|-----------|-----------|----------|----------|
|             |          | Proved    | Indicated | Inferred | Total    |
| (1)         | (2)      | (3)       | (4)       | (5)      | (6)      |
| Gujarat     | 4/1/2019 | 1278.65   | 283.70    | 1159.70  | 2722.05  |
|             | 4/1/2020 | 1278.65   | 283.70    | 1159.70  | 2722.05  |
|             | 4/1/2021 | 1278.65   | 283.70    | 1159.70  | 2722.05  |
| J & K       | 4/1/2019 | 0.00      | 20.25     | 7.30     | 27.55    |
|             | 4/1/2020 | 0.00      | 20.25     | 7.30     | 27.55    |
|             | 4/1/2021 | 0.00      | 20.25     | 7.30     | 27.55    |
| Kerala      | 4/1/2019 | 0.00      | 0.00      | 9.65     | 9.65     |
|             | 4/1/2020 | 0.00      | 0.00      | 9.65     | 9.65     |
|             | 4/1/2021 | 0.00      | 0.00      | 9.65     | 9.65     |
| Puducherry  | 4/1/2019 | 0.00      | 405.61    | 11.00    | 416.61   |
|             | 4/1/2020 | 0.00      | 405.61    | 11.00    | 416.61   |
|             | 4/1/2021 | 0.00      | 405.61    | 11.00    | 416.61   |
| Rajasthan   | 4/1/2019 | 1168.53   | 3029.78   | 2150.77  | 6349.08  |
|             | 4/1/2020 | 1168.53   | 3029.77   | 2150.77  | 6349.07  |
|             | 4/1/2021 | 1168.53   | 3029.78   | 2150.77  | 6349.08  |
| Tamilnadu   | 4/1/2019 | 4340.35   | 22496.63  | 9392.85  | 36229.83 |
|             | 4/1/2020 | 4340.35   | 22496.63  | 9652.62  | 36489.60 |
|             | 4/1/2021 | 4926.92   | 21910.06  | 9652.62  | 36489.60 |
| West Bengal | 4/1/2019 | 0.00      | 1.13      | 2.80     | 3.93     |
|             | 4/1/2020 | 0.00      | 1.13      | 2.80     | 3.93     |
|             | 4/1/2021 | 0.00      | 1.13      | 2.80     | 3.93     |
| All India   | 4/1/2019 | 6787.53   | 26237.10  | 12734.07 | 45758.70 |
|             | 4/1/2020 | 6787.53   | 26237.09  | 12993.84 | 46018.46 |
|             | 4/1/2021 | 7374.10   | 25650.53  | 12993.84 | 46018.47 |

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

Source: Geological Survey of India

**State Wise Share of Resources of Lignite in India during 2020-21**

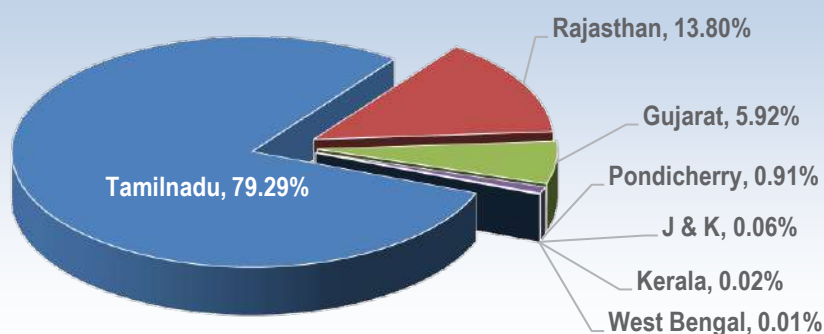


Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1<sup>st</sup> April )

(Qty. in MT)

| State/District                                                                         | Area/Field                                                                                                                                                     | Depth(m) | Proved         | Indicated      | Inferred       | Total          | Grand Total    |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|----------------|----------------|----------------|----------------|
| (1)                                                                                    | (2)                                                                                                                                                            | (3)      | (4)            | (5)            | (6)            | (7)            | (8)            |
| <b>Neyveli lignite field</b>                                                           |                                                                                                                                                                |          |                |                |                |                |                |
| Puducherry                                                                             | Bahur                                                                                                                                                          | 0-150    | 0.00           | 405.61         | 0.00           | 405.61         | 405.61         |
|                                                                                        | West of Bahur                                                                                                                                                  | 0-150    | 0.00           | 0.00           | 11.00          | 11.00          | 11.00          |
| <b>Total for Pandicherry</b>                                                           |                                                                                                                                                                |          | <b>0.00</b>    | <b>405.61</b>  | <b>11.00</b>   | <b>416.61</b>  | <b>416.61</b>  |
| <b>Tamil Nadu</b>                                                                      |                                                                                                                                                                |          |                |                |                |                |                |
| Cuddalore                                                                              | *Bahur                                                                                                                                                         | 0-150    | 0.00           | 168.78         | 0.00           | 168.78         | 168.78         |
|                                                                                        | *West of Bahur                                                                                                                                                 | 0-150    | 0.00           | 0.00           | 102.19         | 102.19         | 102.19         |
|                                                                                        | Bhuvanagiri-Kullanchavadi                                                                                                                                      | 150-300  | 0.00           | 0.00           | 385.40         | 385.40         | 385.40         |
|                                                                                        | Eastern part of Neyveli                                                                                                                                        | 150-300  | 0.00           | 218.65         | 37.68          | 256.33         |                |
|                                                                                        |                                                                                                                                                                | >300     | 0.00           | 156.86         | 149.13         | 305.99         | 562.32         |
|                                                                                        | Eastern part of NLC leasehold area                                                                                                                             | >150     | 0.00           | 0.00           | 55.00          | 55.00          | 55.00          |
|                                                                                        | NLC Leasehold areas (Mine-I & Expansion, Mine 1A, II & Expansion, Mine III, Block B, Mine I, Mine II, Mine III and river) Devangudi & areas locked up between. | 0-150    | 2831.00        | 134.00         | 138.00         | 3103.00        |                |
|                                                                                        |                                                                                                                                                                | 150-300  | 0.00           | 0.00           | 24.00          | 24.00          | 3127.00        |
|                                                                                        | Kudikadu                                                                                                                                                       | 0-150    | 0.00           | 0.00           | 133.38         | 133.38         | 133.38         |
|                                                                                        | Kullanchavadi                                                                                                                                                  | >150     | 0.00           | 0.00           | 175.00         | 175.00         | 175.00         |
|                                                                                        | South of Vellar(Srimushnam)                                                                                                                                    | 0-150    | 584.51         | 0.00           | 0.00           | 584.51         |                |
|                                                                                        |                                                                                                                                                                | 150-300  | 20.61          | 0.00           | 0.00           | 20.61          | 605.12         |
|                                                                                        | Veeranam(Lalpettai)                                                                                                                                            | 150-300  | 586.57         | 754.60         | 0.00           | 1341.17        |                |
|                                                                                        |                                                                                                                                                                | >300     | 0.00           | 1.28           | 0.00           | 1.28           | 1342.45        |
|                                                                                        | East of Sethiatope                                                                                                                                             | 0-150    | 0.00           | 24.71          | 0.00           | 24.71          |                |
|                                                                                        |                                                                                                                                                                | 150-300  | 0.00           | 44.95          | 0.00           | 44.95          |                |
|                                                                                        |                                                                                                                                                                | >300     | 0.00           | 21.46          | 0.00           | 21.46          | 91.12          |
|                                                                                        | Chidambaram                                                                                                                                                    | 0-150    | 0.00           | 0.00           | 18.85          | 18.85          |                |
|                                                                                        |                                                                                                                                                                | 150-300  | 0.00           | 0.00           | 24.29          | 24.29          |                |
|                                                                                        |                                                                                                                                                                | >300     | 0.00           | 0.00           | 0.59           | 0.59           | 43.73          |
|                                                                                        | Vayalampur                                                                                                                                                     | 0-150    | 0.00           | 0.00           | 29.40          | 29.40          |                |
|                                                                                        |                                                                                                                                                                | 150-300  | 0.00           | 0.00           | 4.50           | 4.50           |                |
|                                                                                        |                                                                                                                                                                | >300     | 0.00           | 0.00           | 24.82          | 24.82          | 58.72          |
| Ariyalur                                                                               | Meensuruti                                                                                                                                                     | 0-150    | 0.00           | 0.00           | 458.00         | 458.00         | 458.00         |
|                                                                                        | Jayamkondamcholapuram                                                                                                                                          | 0-150    | 904.23         | 302.50         | 0.00           | 1206.73        | 1206.73        |
|                                                                                        | Michaelpatti                                                                                                                                                   | 0-150    | 0.00           | 0.00           | 23.07          | 23.07          | 23.07          |
|                                                                                        | Michaelpatti Extention                                                                                                                                         | 0-150    | 0.00           | 0.00           | 31.30          | 31.30          | 31.30          |
|                                                                                        | <b>Neyveli Lignite Fields</b>                                                                                                                                  |          | <b>4926.92</b> | <b>1827.79</b> | <b>1814.60</b> | <b>8569.31</b> | <b>8569.31</b> |
| *(Both Bahur and West of Bahur blocks cover parts of Tamil Nadu and Pondicherry state) |                                                                                                                                                                |          |                |                |                |                |                |
| <b>Mannargudi lignite field</b>                                                        |                                                                                                                                                                |          |                |                |                |                |                |
| Thanjavur & Thiruvarur                                                                 | Mannargudi-Central                                                                                                                                             | 150-300  | 0.00           | 3159.00        | 0.00           | 3159.00        |                |
|                                                                                        |                                                                                                                                                                | >300     | 0.00           | 1843.55        | 0.00           | 1843.55        | 5002.55        |
|                                                                                        | Mannargudi-NE                                                                                                                                                  | 150-300  | 0.00           | 275.26         | 0.00           | 275.26         |                |
|                                                                                        |                                                                                                                                                                | >300     | 0.00           | 5867.28        | 0.00           | 5867.28        | 6142.54        |
|                                                                                        | Mannargudi-NE extn.                                                                                                                                            | >300     | 0.00           | 0.00           | 3057.95        | 3057.95        | 3057.95        |
|                                                                                        | Mannargudi-SE                                                                                                                                                  | 150-300  | 0.00           | 553.00         | 0.00           | 553.00         |                |
|                                                                                        |                                                                                                                                                                | >300     | 0.00           | 5505.37        | 0.00           | 5505.37        | 6058.37        |

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Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1<sup>st</sup> April )

(Qty. in MT)

| State/District               | Area/Field                       | Depth(m) | Proved         | Indicated       | Inferred       | Total           | Grand Total     |
|------------------------------|----------------------------------|----------|----------------|-----------------|----------------|-----------------|-----------------|
| (1)                          | (2)                              | (3)      | (4)            | (5)             | (6)            | (7)             | (8)             |
| Thiruvarur                   | Melnattam-Agraharam              | 150-300  | 0.00           | 44.60           | 65.51          | 110.11          | 110.11          |
| Thanjavur                    | Cholapuram                       | 150-300  | 0.00           | 15.46           | 83.67          | 99.13           | 99.13           |
|                              | Mannargudi -NW                   | 150-300  | 0.00           | 575.57          | 0.00           | 575.57          |                 |
|                              |                                  | >300     | 0.00           | 421.10          | 0.00           | 421.10          | 996.67          |
|                              | Mannargudi -SW                   | 150-300  | 0.00           | 481.80          | 0.00           | 481.80          | 481.80          |
|                              | Maharajapuram                    | 150-300  | 0.00           | 23.95           | 0.00           | 23.95           | 23.95           |
|                              | Orattanadu-Pattukottai           | 150-300  | 0.00           | 10.80           | 44.31          | 55.11           | 55.11           |
|                              | Vadaseri(Orattanadu-Pattukottai) | 0-150    | 0.00           | 9.37            | 0.00           | 9.37            |                 |
|                              |                                  | 150-300  | 0.00           | 745.83          | 0.00           | 745.83          | 755.20          |
|                              | Madukkur-Anaikadu                | 150-300  | 0.00           | 17.41           | 28.35          | 45.76           | 45.76           |
|                              | Veppanagulam-Kasangadu           | 150-300  | 0.00           | 4.88            | 0.00           | 4.88            | 4.88            |
| Thanjavur & Nagappattinam    | Alangudi                         | 150-300  | 0.00           | 24.98           | 48.01          | 72.99           |                 |
|                              |                                  | >300     | 0.00           | 29.31           | 55.72          | 85.03           | 158.02          |
|                              | Kadalangudi                      | 0-150    | 0.00           | 0.00            | 0.43           | 0.43            |                 |
|                              |                                  | 150-300  | 0.00           | 0.00            | 317.74         | 317.74          |                 |
|                              |                                  | >300     | 0.00           | 0.00            | 74.26          | 74.26           | 392.43          |
|                              | Pandanallur                      | 150-300  | 0.00           | 6.48            | 12.94          | 19.42           |                 |
|                              |                                  | >300     | 0.00           | 18.14           | 36.11          | 54.25           | 73.67           |
|                              | Thirumangalam                    | >300     | 0.00           | 233.22          | 295.30         | 528.52          | 528.52          |
|                              | Tirumangaichcheri                | 150-300  | 0.00           | 21.05           | 43.90          | 64.95           |                 |
|                              |                                  | >300     | 0.00           | 26.03           | 42.21          | 68.24           | 133.19          |
| Thiruvarur & Nagappattinam   | Nachiyarkudi                     | >300     | 0.00           | 0.00            | 574.05         | 574.05          | 574.05          |
|                              | Mannargudi lignite Field         |          | 0.00           | 19913.44        | 4780.46        | 24693.90        | 24693.90        |
| Ramanathapuram lignite field |                                  |          |                |                 |                |                 |                 |
| Ramanathapuram               | Bogalur                          | >300     | 0.00           | 48.28           | 76.34          | 124.62          | 124.62          |
|                              | Bogalur East                     | >300     | 0.00           | 0.00            | 469.58         | 469.58          | 469.58          |
|                              | Misal                            | >300     | 0.00           | 23.92           | 28.79          | 52.71           | 52.71           |
|                              | Tiyanur                          | >300     | 0.00           | 96.63           | 167.30         | 263.93          | 263.93          |
|                              | Uttarakosamangai                 | 150-300  | 0.00           | 0.00            | 1.54           | 1.54            |                 |
|                              |                                  | >300     | 0.00           | 0.00            | 467.22         | 467.22          | 468.76          |
|                              | Kalari North                     | >300     | 0.00           | 0.00            | 221.90         | 221.90          | 221.90          |
|                              | Kalari West                      | >300     | 0.00           | 0.00            | 379.91         | 379.91          | 379.91          |
|                              | Kalari East                      | >300     | 0.00           | 0.00            | 259.77         | 259.77          | 259.77          |
| Ramnad                       | Rajasing Mangalam                | >300     | 0.00           | 0.00            | 964.97         | 964.97          | 964.97          |
| Ramnad & Sivaganga           | Sattanur                         | >300     | 0.00           | 0.00            | 20.24          | 20.24           | 20.24           |
|                              | Ramanathapuram lignite field     |          | 0.00           | 168.83          | 3057.56        | 3226.39         | 3226.39         |
| <b>Total for Tamil Nadu</b>  |                                  |          | <b>4926.92</b> | <b>21910.06</b> | <b>9652.62</b> | <b>36489.60</b> | <b>36489.60</b> |
| <b>Rajasthan</b>             |                                  |          |                |                 |                |                 |                 |
| Bikaner                      | Ambasar-Gigasar                  | 0-150    | 0.00           | 12.33           | 0.00           | 12.33           | 12.33           |
|                              | Badhnu                           | 0-150    | 0.00           | 0.00            | 1.87           | 1.87            | 1.87            |
|                              | Bangarsar-Jaimalsar              | 0-150    | 0.00           | 0.00            | 13.74          | 13.74           |                 |
|                              |                                  | 150-300  | 0.00           | 0.00            | 5.37           | 5.37            | 19.11           |
|                              | Bania                            | 0-150    | 0.00           | 0.49            | 0.00           | 0.49            | 0.49            |
|                              | Bapeau                           | 0-150    | 0.00           | 0.00            | 35.58          | 35.58           | 35.58           |
|                              | Barsinghsar                      | 0-150    | 77.83          | 0.00            | 0.00           | 77.83           | 77.83           |
|                              | Bholasar                         | 0-300    | 0.00           | 0.00            | 3.90           | 3.90            | 3.90            |

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Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1<sup>st</sup> April )

|                |                                      |          |        |           |          |        | (Qty. in MT) |
|----------------|--------------------------------------|----------|--------|-----------|----------|--------|--------------|
| State/District | Area/Field                           | Depth(m) | Proved | Indicated | Inferred | Total  | Grand Total  |
| (1)            | (2)                                  | (3)      | (4)    | (5)       | (6)      | (7)    | (8)          |
| Bikaner        | Bigga-Abhaysingpura                  | 0-300    | 0.00   | 0.00      | 25.26    | 25.26  |              |
|                |                                      | 150-300  | 0.00   | 0.00      | 19.38    | 19.38  | 44.64        |
|                | Bithnok East(Ext.)                   | 0-300    | 0.00   | 39.44     | 0.00     | 39.44  | 39.44        |
|                | Bithnok Main                         | 0-300    | 43.28  | 0.00      | 0.00     | 43.28  |              |
|                |                                      | 150-300  | 55.84  | 0.00      | 0.00     | 55.84  | 99.12        |
|                | Borana                               | 0-150    | 0.00   | 0.10      | 0.41     | 0.51   | 0.51         |
|                | Chak-Vijaisinghpura                  | 0-150    | 2.80   | 0.00      | 0.00     | 2.80   | 2.80         |
|                | Deshnok-Ramsar-Sinthal               | 0-150    | 0.00   | 0.00      | 52.85    | 52.85  |              |
|                |                                      | 150-300  | 0.00   | 0.00      | 0.92     | 0.92   | 53.77        |
|                | Diyatra                              | 0-150    | 0.00   | 57.53     | 0.00     | 57.53  |              |
|                |                                      | 150-300  | 0.00   | 67.34     | 0.00     | 67.34  | 124.87       |
|                | East of Riri                         | 0-150    | 0.00   | 0.00      | 1.76     | 1.76   | 1.76         |
|                | Gadiyala                             | 0-300    | 0.00   | 0.00      | 36.98    | 36.98  | 36.98        |
|                | Gigasar-Kesardesar                   | 0-150    | 0.00   | 0.65      | 0.00     | 0.65   | 0.65         |
|                | Girirajsar                           | 0-300    | 0.00   | 26.48     | 8.99     | 35.47  | 35.47        |
|                | Girirajsar Extn.                     | 150-300  | 0.00   | 0.00      | 24.81    | 24.81  | 24.81        |
|                | Gurha East                           | 0-150    | 33.81  | 0.00      | 0.00     | 33.81  |              |
|                |                                      | 150-300  | 4.30   | 0.00      | 0.00     | 4.30   | 38.11        |
|                | Gurha West                           | 0-150    | 40.65  | 0.00      | 0.00     | 40.65  |              |
|                |                                      | 150-300  | 1.00   | 0.00      | 0.00     | 1.00   | 41.65        |
|                | Hadda                                | 150-300  | 0.00   | 0.22      | 0.00     | 0.22   | 0.22         |
|                | Hadda North & West                   | 0-150    | 0.00   | 2.82      | 7.35     | 10.17  |              |
|                |                                      | 150-300  | 0.00   | 1.06      | 2.44     | 3.50   | 13.67        |
|                | Hadla                                | 0-150    | 59.30  | 0.00      | 0.00     | 59.30  | 59.30        |
|                | Hira Ki Dhani                        | 0-150    | 0.00   | 0.00      | 0.66     | 0.66   | 0.66         |
|                | Krnata-ki-basti & S.of Bhane-ka-Gaon | 0-150    | 0.00   | 0.96      | 0.00     | 0.96   |              |
|                |                                      | 150-300  | 0.06   | 0.00      | 0.00     | 0.06   | 1.02         |
|                | Khar Charan                          | 0-150    | 0.00   | 0.00      | 3.70     | 3.70   | 3.70         |
|                | Kuchore (Napasar)                    | 0-150    | 0.00   | 0.00      | 1.00     | 1.00   | 1.00         |
|                | Kuchaur-Athuni                       | 0-150    | 0.00   | 0.18      | 0.00     | 0.18   | 0.18         |
|                | Lalamdesar                           | 0-150    | 0.00   | 0.09      | 0.00     | 0.09   | 0.09         |
|                | Lalamdesar Bada                      | 0-150    | 1.51   | 0.49      | 0.00     | 2.00   | 2.00         |
|                | Mandal Charman                       | 0-150    | 0.00   | 17.70     | 0.00     | 17.70  | 17.70        |
|                | Palana                               | 0-150    | 23.57  | 0.00      | 0.00     | 23.57  | 23.57        |
|                | Palana East                          | 0-150    | 0.00   | 1.46      | 0.00     | 1.46   | 1.46         |
|                | Panch-Peeth-Ki-Dhani                 | 0-150    | 0.00   | 0.09      | 0.00     | 0.09   | 0.09         |
|                | Pyau                                 | 0-150    | 0.00   | 0.00      | 45.56    | 45.56  |              |
|                |                                      | 150-300  | 0.00   | 0.00      | 16.62    | 16.62  | 62.18        |
|                | Rneri                                | 0-150    | 33.92  | 0.00      | 0.00     | 33.92  | 33.92        |
|                | Riri                                 | 0-150    | 159.68 | 0.00      | 0.00     | 159.68 |              |
|                |                                      | >150     | 22.75  | 0.00      | 0.00     | 22.75  | 182.43       |
|                | Sarupdesar-Palana west               | 0-150    | 0.00   | 0.67      | 0.00     | 0.67   | 0.67         |
|                | hambu-ki-Burj                        | 0-150    | 0.00   | 0.00      | 0.04     | 0.04   | 0.04         |
|                | Sowa                                 | 0-150    | 0.00   | 0.23      | 0.00     | 0.23   | 0.23         |

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Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1<sup>st</sup> April )

(Qty. in MT)

| State/District | Area/Field                                     | Depth(m) | Proved | Indicated | Inferred | Total  | Grand Total |
|----------------|------------------------------------------------|----------|--------|-----------|----------|--------|-------------|
| (1)            | (2)                                            | (3)      | (4)    | (5)       | (6)      | (7)    | (8)         |
| Barmer         | Baytu                                          | 0-150    | 0.00   | 0.00      | 0.04     | 0.04   |             |
|                |                                                | 150-300  | 0.00   | 0.00      | 21.31    | 21.31  |             |
|                |                                                | >300     | 0.00   | 0.00      | 46.14    | 46.14  | 67.49       |
|                | Bharka                                         | 0-150    | 0.00   | 8.45      | 0.00     | 8.45   |             |
|                |                                                | 150-300  | 0.00   | 1.00      | 0.00     | 1.00   | 9.45        |
|                | Bharka                                         | 0-150    | 0.00   | 12.86     | 2.12     | 14.98  |             |
|                |                                                | 150-300  | 0.00   | 66.60     | 0.40     | 67.00  |             |
|                |                                                | >300     | 0.00   | 50.06     | 0.00     | 50.06  | 132.04      |
|                | Bothia-Bhakra- Dunga                           | 0-300    | 0.00   | 9.35      | 0.00     | 9.35   | 9.35        |
|                | Bothia(Jalipa N Ext.)                          | 0-300    | 0.00   | 151.67    | 0.00     | 151.67 | 151.67      |
|                | Chokla North                                   | 0-300    | 0.00   | 0.00      | 234.77   | 234.77 | 234.77      |
|                | Giral                                          | 0-150    | 20.00  | 81.90     | 0.00     | 101.90 | 101.90      |
|                | Hodu                                           | 0-300    | 0.00   | 78.17     | 80.55    | 158.72 |             |
|                |                                                | >300     | 0.00   | 0.00      | 6.85     | 6.85   | 165.57      |
|                | Jalipa                                         | 0-150    | 224.28 | 0.00      | 0.00     | 224.28 |             |
|                |                                                | 150-300  | 100.55 | 0.00      | 0.00     | 100.55 | 324.83      |
|                | Jogeshwartala                                  | 0-150    | 0.00   | 31.52     | 0.00     | 31.52  |             |
|                |                                                | 150-300  | 0.00   | 3.00      | 0.00     | 3.00   | 34.52       |
|                | Kawas Gravity Block                            | 150-300  | 0.00   | 0.00      | 53.03    | 53.03  | 53.03       |
|                | Kapurdi                                        | 0-150    | 150.40 | 0.00      | 0.00     | 150.40 | 150.40      |
|                | Kurla                                          | 0-150    | 0.00   | 0.00      | 68.67    | 68.67  | 68.67       |
|                | Kurla East                                     | 0-150    | 0.00   | 11.47     | 0.00     | 11.47  |             |
|                | (covering Kurla East North & South sub blocks) | 150-300  | 0.00   | 48.47     | 0.00     | 48.47  |             |
|                |                                                | >300     | 0.00   | 458.44    | 250.13   | 708.57 | 768.51      |
|                | Magne-ki-Dhani                                 | 0-150    | 0.00   | 0.00      | 8.78     | 8.78   |             |
|                |                                                | 150-300  | 0.00   | 0.00      | 3.91     | 3.91   |             |
|                |                                                | >300     | 0.00   | 0.00      | 0.04     | 0.04   | 12.73       |
|                | Mahabar-Shivkar                                | 0-150    | 0.00   | 9.22      | 24.30    | 33.52  |             |
|                |                                                | 150-300  | 0.00   | 2.93      | 7.61     | 10.54  | 44.06       |
|                | Matasartala                                    | 0-150    | 0.00   | 0.00      | 34.14    | 34.14  |             |
|                |                                                | 150-300  | 0.00   | 0.00      | 53.89    | 53.89  | 88.03       |
|                | Mithra                                         | 0-150    | 0.00   | 0.09      | 0.39     | 0.48   |             |
|                |                                                | 150-300  | 0.00   | 0.45      | 1.53     | 1.98   | 2.46        |
|                | Munabao                                        | 150-300  | 0.00   | 0.00      | 9.85     | 9.85   | 9.85        |
|                | Nagurda                                        | 0-150    | 0.00   | 103.68    | 0.00     | 103.68 |             |
|                |                                                | 150-300  | 0.00   | 127.87    | 0.00     | 127.87 |             |
|                |                                                | >300     | 0.00   | 0.70      | 0.00     | 0.70   | 232.25      |
|                | Nagurda (East)                                 | 0-150    | 0.00   | 18.46     | 0.00     | 18.46  |             |
|                |                                                | 150-300  | 0.00   | 3.23      | 0.00     | 3.23   | 21.69       |
|                | Nimbalkot                                      | 0-100    | 0.00   | 0.00      | 8.97     | 8.97   |             |
|                |                                                | 100-300  | 0.00   | 0.00      | 85.49    | 85.49  |             |
|                |                                                | >300     | 0.00   | 0.00      | 15.14    | 15.14  | 109.60      |
|                | Nimbalkot North                                | 0-100    | 0.00   | 0.00      | 1.93     | 1.93   |             |
|                |                                                | 100-300  | 0.00   | 0.00      | 22.34    | 22.34  |             |
|                |                                                | >300     | 0.00   | 0.00      | 3.45     | 3.45   | 27.72       |
|                | Sachha-Sauda                                   | 0-300    | 0.00   | 28.70     | 0.00     | 28.70  | 28.70       |

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Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1<sup>st</sup> April )

(Qty. in MT)

| State/District      | Area/Field                   | Depth(m) | Proved  | Indicated | Inferred | Total   | Grand Total |
|---------------------|------------------------------|----------|---------|-----------|----------|---------|-------------|
| (1)                 | (2)                          | (3)      | (4)     | (5)       | (6)      | (7)     | (8)         |
| Barmer              | Sindhari East                | >150     | 0.00    | 262.65    | 0.00     | 262.65  | 262.65      |
|                     | Sindhari West                | >150     | 0.00    | 894.93    | 339.25   | 1234.18 | 1234.18     |
|                     | Sonari                       | 0-300    | 0.00    | 43.59     | 0.00     | 43.59   | 43.59       |
|                     | South of Nimbla              | 0-150    | 0.00    | 0.00      | 96.39    | 96.39   |             |
|                     |                              | 150-300  | 0.00    | 0.00      | 13.21    | 13.21   | 109.60      |
| Jaisalmer & Bikaner | Panna                        | 0-150    | 0.00    | 0.00      | 2.21     | 2.21    | 2.21        |
|                     | Charanwala                   | 0-150    | 0.00    | 0.00      | 5.62     | 5.62    |             |
|                     |                              | 150-300  | 0.00    | 0.00      | 3.64     | 3.64    | 9.26        |
| Jaisalmer & barmer  | Khuri                        | 0-300    | 0.00    | 0.00      | 13.80    | 13.80   | 13.80       |
| Jaisalmer           | Bhanda                       | 0-150    | 0.00    | 0.00      | 2.66     | 2.66    | 2.66        |
|                     | Khuiyala                     | 0-150    | 0.00    | 0.00      | 22.52    | 22.52   | 22.52       |
|                     | Ramgarh                      | 0-150    | 0.00    | 0.00      | 40.96    | 40.96   |             |
|                     |                              | 150-300  | 0.00    | 0.00      | 4.30     | 4.30    | 45.26       |
| Jalore              | Sewara                       | 150-300  | 0.00    | 0.00      | 33.43    | 33.43   |             |
|                     |                              | >300     | 0.00    | 0.00      | 42.65    | 42.65   | 76.08       |
| Nagaur              | Deswal                       | 150-300  | 0.00    | 0.00      | 16.37    | 16.37   | 16.37       |
|                     | Gangardi                     | 150-300  | 0.00    | 166.91    | 11.44    | 178.35  | 178.35      |
|                     | Indawar                      | 0-150    | 12.00   | 0.00      | 0.00     | 12.00   | 12.00       |
|                     | Kapriion-ka-Dhani            | 0-150    | 17.00   | 0.00      | 0.00     | 17.00   | 17.00       |
|                     | Kasnau-Igiar                 | 0-150    | 64.90   | 0.00      | 0.00     | 64.90   | 64.90       |
|                     | Kuchera                      | 0-150    | 0.00    | 0.00      | 1.00     | 1.00    | 1.00        |
|                     | Lunsara                      | 0-300    | 0.00    | 7.17      | 0.00     | 7.17    | 7.17        |
|                     | Matasukh                     | 0-150    | 10.10   | 0.00      | 0.00     | 10.10   | 10.10       |
|                     | Merta Road & Meeranagar      | 0-150    | 0.00    | 23.90     | 59.35    | 83.25   | 83.25       |
|                     | Mokala                       | 0-150    | 0.00    | 29.00     | 0.00     | 29.00   | 29.00       |
|                     | Nimbri-Chandawatan           | 0-150    | 9.00    | 0.00      | 0.00     | 9.00    | 9.00        |
|                     | Ucharda                      | 0-150    | 0.00    | 4.22      | 7.11     | 11.33   |             |
|                     |                              | 150-300  | 0.00    | 58.29     | 61.21    | 119.50  | 130.83      |
| Nagaur & Pali       | Phalki                       | 0-150    | 0.00    | 0.18      | 0.00     | 0.18    |             |
|                     |                              | 150-300  | 0.00    | 0.32      | 0.00     | 0.32    | 0.50        |
| Nagaur & Pali       | Phalki North                 | 0-150    | 0.00    | 0.00      | 1.98     | 1.98    |             |
|                     |                              | 150-300  | 0.00    | 0.00      | 11.06    | 11.06   | 13.04       |
|                     | Phalodi                      | 0-150    | 0.00    | 0.00      | 0.95     | 0.95    |             |
|                     |                              | 150-300  | 0.00    | 0.00      | 4.70     | 4.70    | 5.65        |
| Total for Rajasthan |                              |          | 1168.53 | 3029.78   | 2150.77  | 6349.07 | 6349.08     |
| Gujarat             |                              |          |         |           |          |         |             |
| Kachchh             | Panandhro                    | 0-150    | 98.00   | 0.00      | 0.00     | 98.00   | 98.00       |
|                     | Panandhro Ext.               | 0-150    | 0.00    | 0.00      | 14.45    | 14.45   | 14.45       |
|                     | Barkhan Dam                  | 0-150    | 0.00    | 0.00      | 7.19     | 7.19    | 7.19        |
|                     | Kaiyari Block-A              | 0-150    | 40.36   | 20.30     | 0.00     | 60.66   | 60.66       |
|                     | Kaiyari Block-B              | 0-150    | 0.00    | 10.52     | 0.00     | 10.52   | 10.52       |
|                     | Mata-No-Madh                 | 0-150    | 34.00   | 0.00      | 0.00     | 34.00   | 34.00       |
|                     | Umarsar                      | 0-150    | 19.47   | 0.00      | 0.00     | 19.47   | 19.47       |
|                     | Lakhpat-Dhedadi(Punahrajpur) | 0-150    | 49.00   | 24.30     | 0.00     | 73.30   | 73.30       |
|                     | Akrimota                     | 0-150    | 91.78   | 0.00      | 0.00     | 91.78   | 91.78       |
|                     | Jhularai-Waghapadar          | 0-150    | 3.00    | 0.00      | 0.00     | 3.00    | 3.00        |

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Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1<sup>st</sup> April )

(Qty. in MT)

| State/District                       | Area/Field                                                      | Depth(m) | Proved         | Indicated       | Inferred        | Total           | Grand Total     |
|--------------------------------------|-----------------------------------------------------------------|----------|----------------|-----------------|-----------------|-----------------|-----------------|
| (1)                                  | (2)                                                             | (3)      | (4)            | (5)             | (6)             | (7)             | (8)             |
| Kachchh                              | Hamla-Ratadia                                                   | 0-150    | 0.00           | 0.00            | 3.00            | 3.00            | 3.00            |
|                                      | Pranpur                                                         | 0-300    | 0.00           | 1.28            | 8.45            | 9.73            | 9.73            |
| Bhavnagar                            | Kharsalia,Rampur,Hoidad, Bhuteshwar, S                          | 0-300    | 0.00           | 0.00            | 299.17          | 299.17          | 299.17          |
| Bharuch                              | Bhuri                                                           | 0-150    | 10.59          | 31.56           | 0.00            | 42.15           | 42.15           |
|                                      | Valia, Bhaga, Luna, Pansoli, Nani Pardi e                       | 0-150    | 225.88         | 0.00            | 0.00            | 225.88          |                 |
|                                      |                                                                 | >150     | 232.50         | 0.00            | 0.00            | 232.50          |                 |
|                                      |                                                                 | 0-300    | 251.68         | 87.03           | 178.47          | 517.18          | 975.56          |
|                                      | Bhimpur                                                         | 0-150    | 3.60           | 0.00            | 0.00            | 3.60            |                 |
|                                      |                                                                 | 150-300  | 0.51           | 0.00            | 0.00            | 0.51            | 4.11            |
|                                      | Rajpardi(GMDC leasehold) by MECL                                | 0-150    | 0.00           | 0.00            | 20.72           | 20.72           | 20.72           |
|                                      | Rajpardi (CGM) by MECL                                          | 0-300    | 0.00           | 0.00            | 292.04          | 292.04          | 292.04          |
| Surat                                | Tadkeswar                                                       | 0-300    | 0.00           | 0.00            | 123.10          | 123.10          | 123.10          |
|                                      | Dungra                                                          | 0-300    | 0.00           | 0.00            | 92.52           | 92.52           | 92.52           |
|                                      | East of Kamrej-Vesma                                            | 150-300  | 0.00           | 0.00            | 7.92            | 7.92            | 7.92            |
| Surat                                | Tadkeswar Block-Mongrol, Mandvi, Vastan, Nani Naroli,Ghala etc. | 0-300    | 218.28         | 108.71          | 112.67          | 439.66          | 439.66          |
| <b>Total for Gujarat</b>             |                                                                 |          | <b>1278.65</b> | <b>283.70</b>   | <b>1159.70</b>  | <b>2722.05</b>  | <b>2722.05</b>  |
| <b>Jammu &amp; Kashmir</b>           |                                                                 |          |                |                 |                 |                 |                 |
| Kupwara                              | Nichahom                                                        | 0-150    | 0.00           | 20.25           | 0.00            | 20.25           | 20.25           |
|                                      | Nichahom-Budhasung                                              | 0-150    | 0.00           | 0.00            | 7.30            | 7.30            | 7.30            |
| <b>Total for Jammu &amp; Kashmir</b> |                                                                 |          | <b>0.00</b>    | <b>20.25</b>    | <b>7.30</b>     | <b>27.55</b>    | <b>27.55</b>    |
| <b>Kerala</b>                        |                                                                 |          |                |                 |                 |                 |                 |
| Kannanur                             | Madayi                                                          | 0-150    | 0.00           | 0.00            | 5.60            | 5.60            | 5.60            |
|                                      | Nileswaram                                                      | 0-150    | 0.00           | 0.00            | 2.50            | 2.50            | 2.50            |
|                                      | Kadamkottumala                                                  | 0-150    | 0.00           | 0.00            | 1.00            | 1.00            | 1.00            |
|                                      | Kayyur                                                          | 0-150    | 0.00           | 0.00            | 0.55            | 0.55            | 0.55            |
| <b>Total for Kerala</b>              |                                                                 |          | <b>0.00</b>    | <b>0.00</b>     | <b>9.65</b>     | <b>9.65</b>     | <b>9.65</b>     |
| <b>West Bengal</b>                   |                                                                 |          |                |                 |                 |                 |                 |
| Bardhaman                            | Rakshitpur                                                      | 0-150    | 0.00           | 0.29            | 0.86            | 1.15            | 1.15            |
|                                      | Gourangapur- Bankati                                            | 0-151    | 0.00           | 0.00            | 0.96            | 0.96            | 0.96            |
| Birbhum                              | Mahalla                                                         | 150-300  | 0.00           | 0.64            | 0.00            | 0.64            | 0.64            |
|                                      | Dhobbanpur                                                      | 150-300  | 0.00           | 0.20            | 0.78            | 0.98            | 0.98            |
|                                      | Djara                                                           | 150-300  | 0.00           | 0.00            | 0.20            | 0.20            | 0.20            |
| <b>Total for West Bengal</b>         |                                                                 |          | <b>0.00</b>    | <b>1.13</b>     | <b>2.80</b>     | <b>3.93</b>     | <b>3.93</b>     |
| <b>Grand Total for all States</b>    |                                                                 |          |                |                 |                 |                 |                 |
|                                      |                                                                 |          | <b>7374.10</b> | <b>25650.53</b> | <b>12993.84</b> | <b>46018.46</b> | <b>46018.47</b> |

Source: Geological Survey of India

Table 2.8: Promotional Exploration (Drilling in Metres) During X<sup>th</sup>, XI<sup>th</sup>, XII<sup>th</sup> and XIII<sup>th</sup> Plan

| Year                             | Agency                               | CIL<br>(Coal) | SCCL<br>(Coal) | NLC<br>(Lignite) | Total  |
|----------------------------------|--------------------------------------|---------------|----------------|------------------|--------|
| (1)                              | (2)                                  | (3)           | (4)            | (5)              | (6)    |
| 2002-2007 (X <sup>th</sup> Plan) | Geological Survey of India           | 57652         | 0              | 7557             | 65209  |
| 2002-2007 (X <sup>th</sup> Plan) | Mineral Exploration Corporation Ltd. | 161307        | 86022          | 255932           | 503261 |
| 2002-2007 (X <sup>th</sup> Plan) | Central Mine Planning & Design Inst. | 55019         | 0              | 0                | 55019  |
| 2002-2007 (X <sup>th</sup> Plan) | All Agencies                         | 273978        | 86022          | 263489           | 623489 |
| 2007-08                          | Geological Survey of India           | 11473         | 0              | 7487             | 18960  |
| 2007-08                          | Mineral Exploration Corporation Ltd. | 38563         | 17154          | 37863            | 93580  |
| 2007-08                          | Central Mine Planning & Design Inst. | 2992          | 0              | 0                | 2992   |
| 2007-08 (XI <sup>th</sup> Plan)  | All Agencies                         | 53028         | 17154          | 45350            | 115532 |
| 2008-09                          | Geological Survey of India           | 15572         | 0              | 7963             | 23535  |
| 2008-09                          | Mineral Exploration Corporation Ltd. | 28448         | 14730          | 54454            | 97632  |
| 2008-09                          | Central Mine Planning & Design Inst. | 5646          | 0              | 0                | 5646   |
| 2008-09 (XI <sup>th</sup> Plan)  | All Agencies                         | 49666         | 14730          | 62417            | 126813 |
| 2009-10                          | Geological Survey of India           | 13192         | 0              | 5920             | 19112  |
| 2009-10                          | Mineral Exploration Corporation Ltd. | 20799         | 12303          | 55127            | 88229  |
| 2009-10                          | Central Mine Planning & Design Inst. | 1992          | 0              | 0                | 1992   |
| 2009-10 (XI <sup>th</sup> Plan)  | All Agencies                         | 35983         | 12303          | 61047            | 109333 |
| 2010-11                          | Geological Survey of India           | 13943         | 0              | 5607             | 19550  |
| 2010-11                          | Mineral Exploration Corporation Ltd. | 20283         | 9638           | 51796            | 81717  |
| 2010-11                          | DGM (Nagaland)                       | 83            |                |                  | 83     |
| 2010-11                          | Central Mine Planning & Design Inst. | 1318          | 0              | 0                | 1318   |
| 2010-11 (XI <sup>th</sup> Plan)  | All Agencies                         | 35627         | 9638           | 57403            | 102668 |
| 2011-12                          | Geological Survey of India           | 17872         | 0              | 5814             | 23686  |
| 2011-12                          | Mineral Exploration Corporation Ltd. | 16769         | 9228           | 43750            | 69747  |
| 2011-12                          | DGM (Nagaland)                       | 289           |                |                  | 289    |
| 2011-12                          | Central Mine Planning & Design Inst. | 0             | 0              | 0                | 0      |
| 2011-12 (XI <sup>th</sup> Plan)  | All Agencies                         | 34930         | 9228           | 49564            | 93722  |
| Total (XI <sup>th</sup> Plan)    | Geological Survey of India           | 72052         | 0              | 32791            | 104843 |
| Total (XI <sup>th</sup> Plan)    | Mineral Exploration Corporation Ltd. | 124862        | 63053          | 242990           | 430905 |
| Total (XI <sup>th</sup> Plan)    | DGM (Nagaland)                       | 11002         | 0              | 0                | 11002  |
| Total (XI <sup>th</sup> Plan)    | Central Mine Planning & Design Inst. | 139995        | 44187          | 168814           | 352996 |
| G. Total (XI <sup>th</sup> Plan) | All Agencies                         | 347911        | 107240         | 444595           | 899746 |
| 2012-13                          | Geological Survey of India           | 14702         | 0              | 8379             | 23081  |
| 2012-13                          | Mineral Exploration Corporation Ltd. | 21695         | 8899           | 59349            | 89943  |
| 2012-13                          | DGM (Nagaland)                       | 328           |                |                  | 328    |
| 2012-13                          | Central Mine Planning & Design Inst. | 0             | 0              | 0                | 0      |
| 2012-13 (XII <sup>th</sup> Plan) | All Agencies                         | 36725         | 8899           | 67728            | 113352 |
| 2013-14                          | Geological Survey of India           | 15589         | 0              | 7380             | 22969  |
| 2013-14                          | Mineral Exploration Corporation Ltd. | 37200         | 9553           | 61394            | 108147 |
| 2013-14                          | DGM (Nagaland)                       | 783           |                |                  | 783    |
| 2013-14                          | Central Mine Planning & Design Inst. | 123           | 0              | 0                | 123    |
| 2013-14 (XII <sup>th</sup> Plan) | All Agencies                         | 53695         | 9553           | 68774            | 132022 |
| Contd.....                       |                                      |               |                |                  |        |
| 2014-15                          | Geological Survey of India           | 18905         | 0              | 8446             | 27351  |
| 2014-15                          | Mineral Exploration Corporation Ltd. | 46749         | 3575           | 60331            | 110655 |
| 2014-15                          | DGM (Nagaland)                       | 427           |                |                  | 427    |
| 2014-15                          | Central Mine Planning & Design Inst. | 1064          | 0              | 0                | 1064   |
| 2014-15 (XII <sup>th</sup> Plan) | All Agencies                         | 67145         | 3575           | 68777            | 139497 |
| 2015-16                          | Geological Survey of India           | 16116         | 0              | 7953             | 24069  |

Table 2.8: Promotional Exploration (Drilling in Metres) During X<sup>th</sup>, XI<sup>th</sup>, XII<sup>th</sup> and XIII<sup>th</sup> Plan

| Year                                     | Agency                                          | CIL<br>(Coal) | SCCL<br>(Coal) | NLC<br>(Lignite) | Total         |
|------------------------------------------|-------------------------------------------------|---------------|----------------|------------------|---------------|
| (1)                                      | (2)                                             | (3)           | (4)            | (5)              | (6)           |
| 2015-16                                  | Mineral Exploration Corporation Ltd.            | 35216         | 0              | 52301            | 87517         |
| 2015-16                                  | DGM (Nagaland)                                  | 754           |                |                  | 754           |
| 2015-16                                  | Central Mine Planning & Design Inst.            | 0             | 0              | 0                | 0             |
| <b>2015-16 (XII<sup>th</sup> Plan)</b>   | <b>All Agencies</b>                             | <b>52086</b>  | <b>0</b>       | <b>60254</b>     | <b>112340</b> |
| 2016-17                                  | Geological Survey of India                      | 0             | 0              | 3500             | 3500          |
| 2016-17                                  | Mineral Exploration Corporation Ltd.            | 49100         | 0              | 52186            | 101286        |
| 2016-17                                  | DGM (Nagaland)                                  | 595           |                |                  | 595           |
| 2016-17                                  | Central Mine Planning & Design Inst.            | 0             | 0              | 0                | 0             |
| <b>2016-17 (XII<sup>th</sup> Plan)</b>   | <b>All Agencies</b>                             | <b>49695</b>  | <b>0</b>       | <b>55686</b>     | <b>105381</b> |
| <b>Total (XII<sup>th</sup> Plan)</b>     | <b>Geological Survey of India</b>               | <b>65312</b>  | <b>0</b>       | <b>35658</b>     | <b>100970</b> |
| <b>Total (XII<sup>th</sup> Plan)</b>     | <b>Mineral Exploration Corporation Ltd.</b>     | <b>189960</b> | <b>22027</b>   | <b>285561</b>    | <b>497548</b> |
| <b>Total (XII<sup>th</sup> Plan)</b>     | <b>DGM (Nagaland)</b>                           | <b>2887</b>   | <b>0</b>       | <b>0</b>         | <b>2887</b>   |
| <b>Total (XII<sup>th</sup> Plan)</b>     | <b>Central Mine Planning &amp; Design Inst.</b> | <b>1187</b>   | <b>0</b>       | <b>0</b>         | <b>1187</b>   |
| <b>G. Total (XII<sup>th</sup> Plan)</b>  | <b>All Agencies</b>                             | <b>259346</b> | <b>22027</b>   | <b>321219</b>    | <b>602592</b> |
| 2017-18                                  | Geological Survey of India                      | 0             | 0              | 341              | 341           |
| 2017-18                                  | Mineral Exploration Corporation Ltd.            | 85282         | 0              | 41553            | 126835        |
| 2017-18                                  | DGM (Nagaland)                                  | 808           | 0              | 0                | 808           |
| 2017-18                                  | Central Mine Planning & Design Inst.            | 6713          | 0              | 0                | 6713          |
| <b>2017-18 (XIII<sup>th</sup> Plan)</b>  | <b>All Agencies</b>                             | <b>92803</b>  | <b>0</b>       | <b>41895</b>     | <b>134697</b> |
| 2018-19                                  | Geological Survey of India                      | 0             | 0              | 0                | 0             |
| 2018-19                                  | Mineral Exploration Corporation Ltd.            | 76700         | 4700           | 43000            | 124400        |
| 2018-19                                  | DGM (Nagaland)                                  | 1100          | 0              | 0                | 1100          |
| 2018-19                                  | Central Mine Planning & Design Inst.            | 13500         | 0              | 0                | 13500         |
| <b>2018-19 (XIII<sup>th</sup> Plan)</b>  | <b>All Agencies</b>                             | <b>91300</b>  | <b>4700</b>    | <b>43000</b>     | <b>139000</b> |
| 2019-20                                  | Geological Survey of India                      | 0             | 0              | 0                | 0             |
| 2019-20                                  | Mineral Exploration Corporation Ltd.            | 55600         | 11200          | 33500            | 100300        |
| 2019-20                                  | DGM (Nagaland)                                  | 1000          | 0              | 0                | 1000          |
| 2019-20                                  | Central Mine Planning & Design Inst.            | 14300         | 0              | 0                | 14300         |
| <b>2019-20 (XIII<sup>th</sup> Plan)</b>  | <b>All Agencies</b>                             | <b>70900</b>  | <b>11200</b>   | <b>33500</b>     | <b>115600</b> |
| 2020-21                                  | Geological Survey of India                      | 0             | 0              | 0                | 0             |
| 2020-21                                  | Mineral Exploration Corporation Ltd.            | 66450         | 290            | 22853            | 89593         |
| 2020-21                                  | DGM (Nagaland)                                  | 1036          | 0              | 0                | 1036          |
| 2020-21                                  | Central Mine Planning & Design Inst.            | 44249         | 0              | 0                | 44249         |
| <b>2020-21 (XIII<sup>th</sup> Plan)</b>  | <b>All Agencies</b>                             | <b>111735</b> | <b>290</b>     | <b>22853</b>     | <b>134878</b> |
| <b>Total (XIII<sup>th</sup> Plan)</b>    | <b>Geological Survey of India</b>               | <b>0</b>      | <b>0</b>       | <b>341</b>       | <b>341</b>    |
| <b>Total (XIII<sup>th</sup> Plan)</b>    | <b>Mineral Exploration Corporation Ltd.</b>     | <b>284032</b> | <b>16190</b>   | <b>140906</b>    | <b>441128</b> |
| <b>Total (XIII<sup>th</sup> Plan)</b>    | <b>DGM (Nagaland)</b>                           | <b>3944</b>   | <b>0</b>       | <b>0</b>         | <b>3944</b>   |
| <b>Total (XIII<sup>th</sup> Plan)</b>    | <b>Central Mine Planning &amp; Design Inst.</b> | <b>78762</b>  | <b>0</b>       | <b>0</b>         | <b>78762</b>  |
| <b>G. Total (XIII<sup>th</sup> Plan)</b> | <b>All Agencies</b>                             | <b>366738</b> | <b>16190</b>   | <b>141248</b>    | <b>524175</b> |

Note: X<sup>th</sup> Plan 2002-2003 to 2006-2007, XI<sup>th</sup> Plan 2007-2008 to 2011-2012, XII<sup>th</sup> plan 2012-2013 to 2016-17 and XIII<sup>th</sup> plan 2017-2018 to 2021-22.

Table 2.9 : Detailed Exploration (Drilling in Meters) During IX<sup>th</sup> to XII<sup>th</sup> Plan

| Year                            | Agency               | Blocks      | CIL    |       |        |       |        |        |        |       |           | SCCL   | NLC  |
|---------------------------------|----------------------|-------------|--------|-------|--------|-------|--------|--------|--------|-------|-----------|--------|------|
|                                 |                      |             | ECL    | BCCL  | CCL    | NCL   | WCL    | SECL   | MCL    | NEC   | TOTAL CIL |        |      |
| (1)                             | (2)                  | (3)         | (4)    | (5)   | (6)    | (7)   | (8)    | (9)    | (10)   | (11)  | (12)      | (13)   | (14) |
| 1997-02 (IX <sup>th</sup> Plan) | All Agencies         | Total       | 195787 |       | 167294 | 73914 | 226882 | 371436 | 203063 | 2461  | 1E+06     | 251379 |      |
| 2002-2007(X <sup>th</sup> Plan) | All Agencies         | Total       | 98354  | 8391  | 129728 | 60175 | 118415 | 283519 | 254631 | 0     | 951184    | 332173 |      |
| 2007-08(XI <sup>th</sup> Plan)  | All Agencies         | Total       | 22353  | 0     | 32145  | 12468 | 33470  | 58626  | 47147  | 0     | 206209    | 78380  |      |
| 2008-09(XI <sup>th</sup> Plan)  | All Agencies         | Total       | 25666  | 5259  | 37164  | 14104 | 37649  | 82538  | 60602  | 3733  | 266715    | 84686  |      |
| 2009-10(XI <sup>th</sup> Plan)  | All Agencies         | Total       | 48701  | 19751 | 39137  | 32371 | 41784  | 202667 | 71867  | 10906 | 467184    | 92314  |      |
| 2010-11(XI <sup>th</sup> Plan)  | All Agencies         | Total       | 55350  | 17634 | 40504  | 31040 | 42962  | 239359 | 64407  | 536   | 491792    | 101903 |      |
| 2011-12(XI <sup>th</sup> Plan)  | All Agencies         | Total       | 32795  | 17197 | 64769  | 41516 | 40964  | 241107 | 60078  | 0     | 498426    | 109553 |      |
| 2012-13                         | Departmental         | CIL         | 18794  |       | 43510  | 6851  | 15138  | 90629  | 23818  | 0     | 198740    |        |      |
|                                 | Departmental         | Non-CIL     | 10356  |       |        | 14353 | 26729  | 3923   | 22097  |       | 77458     | 120105 |      |
|                                 | Departmental         | Pvt. Blocks |        |       |        |       |        |        |        |       | 0         |        |      |
|                                 | Departmental         | Total       | 29150  |       | 43510  | 21204 | 41867  | 94552  | 45915  |       | 276198    | 120105 |      |
|                                 | MECL                 | CIL         |        | 9433  |        | 0     |        | 28851  |        |       | 38284     |        |      |
|                                 | MECL                 | Non-CIL     |        |       |        | 32734 | 3214   | 64529  |        |       | 100477    | 8899   |      |
|                                 | CG/MP/Odisha Govt.   | CIL         |        |       |        |       |        | 3409   | 3989   |       | 7398      |        |      |
|                                 | Private /Contractual | CIL         | 450    | 24316 | 42359  |       | 23653  |        |        |       | 90778     |        |      |
|                                 | Private /Contractual | Non-CIL     | 8167   |       | 37888  |       |        | 287    | 3431   |       | 49773     |        |      |
|                                 | Private /Contractual | Total       | 8617   | 24316 | 80247  | 0     | 23653  | 287    | 3431   | 0     | 140551    |        |      |
|                                 | All Agencies         | CIL         | 19244  | 33749 | 85869  | 6851  | 38791  | 122889 | 27807  | 0     | 335200    |        |      |
|                                 | All Agencies         | Non-CIL     | 18523  | 0     | 37888  | 47087 | 29943  | 68739  | 25528  | 0     | 227708    | 129004 |      |
| 2012-13(XI <sup>th</sup> Plan)  | All Agencies         | Total       | 37767  | 33749 | 123757 | 53938 | 68734  | 191628 | 53335  | 0     | 562908    | 129004 |      |
| 2013-14                         | Departmental         | CIL         | 33784  |       | 46576  |       | 28919  | 113005 | 9336   | 0     | 231620    |        |      |
|                                 | Departmental         | Non-CIL     | 6597   |       |        | 24123 | 14641  | 6846   | 41535  |       | 93742     | 117316 |      |
|                                 | Departmental         | Pvt. Blocks |        |       |        |       |        |        |        |       | 0         |        |      |
|                                 | Departmental         | Total       | 40381  |       | 46576  | 24123 | 43560  | 119851 | 50871  |       | 325362    | 117316 |      |
|                                 | MECL                 | CIL         |        | 9482  |        | 21048 |        | 34489  |        |       | 65019     |        |      |
|                                 | MECL                 | Non-CIL     |        |       |        | 9753  | 12781  | 83454  |        |       | 105988    | 9552   |      |
|                                 | CG/MP/Odisha Govt.   | CIL         |        |       |        |       |        | 3905   | 2038   |       | 5943      |        |      |
|                                 | Private /Contractual | CIL         |        | 30176 | 86374  |       | 39809  |        |        |       | 156359    |        |      |
|                                 | Private /Contractual | Non-CIL     | 7158   |       |        |       | 923    | 552    | 29538  |       | 38171     |        |      |
|                                 | Private /Contractual | Total       | 7158   | 30176 | 86374  | 0     | 40732  | 552    | 29538  | 0     | 194530    |        |      |
|                                 | All Agencies         | CIL         | 33784  | 39658 | 132950 | 21048 | 68728  | 151399 | 11374  | 0     | 458941    |        |      |
|                                 | All Agencies         | Non-CIL     | 13755  | 0     | 0      | 33876 | 28345  | 90852  | 71073  | 0     | 237901    | 126868 |      |
| 2013-14(XI <sup>th</sup> Plan)  | All Agencies         | Total       | 47539  | 39658 | 132950 | 54924 | 97073  | 242251 | 82447  | 0     | 696842    | 126868 |      |
| 2014-15                         | Departmental         | CIL         | 48637  |       | 48833  | 10220 | 48121  | 120176 | 19605  | 0     | 295592    |        |      |
|                                 | Departmental         | Non-CIL     |        |       |        | 15117 |        | 10174  | 35597  |       | 60888     | 124078 |      |
|                                 | Departmental         | Pvt. Blocks |        |       |        |       |        |        |        |       | 0         |        |      |
|                                 | Departmental         | Total       | 48637  |       | 48833  | 25337 | 48121  | 130350 | 55202  |       | 356480    | 124078 |      |
|                                 | MECL                 | CIL         |        | 7199  |        | 26660 |        | 50439  |        |       | 84298     |        |      |
|                                 | MECL                 | Non-CIL     |        |       |        | 11455 | 24211  | 100291 |        |       | 135957    | 11229  |      |
|                                 | CG/MP/Odisha Govt.   | CIL         |        |       |        |       |        | 4349   | 2514   |       | 6863      |        |      |
|                                 | Private /Contractual | CIL         |        | 31422 | 65277  |       | 28286  | 34372  |        |       | 159357    |        |      |
|                                 | Private /Contractual | Non-CIL     | 4698   |       |        |       | 10397  | 57967  | 11953  |       | 85015     |        |      |
|                                 | Private /Contractual | Total       | 4698   | 31422 | 65277  | 0     | 38683  | 92339  | 11953  | 0     | 244372    |        |      |
|                                 | All Agencies         | CIL         | 48637  | 38621 | 114110 | 36880 | 76407  | 209336 | 22119  | 0     | 546110    |        |      |
|                                 | All Agencies         | Non-CIL     | 4698   | 0     | 0      | 26572 | 34608  | 168432 | 47550  | 0     | 281860    | 135307 |      |
| 2014-15(XI <sup>th</sup> Plan)  | All Agencies         | Total       | 53335  | 38621 | 114110 | 63452 | 111015 | 377768 | 69669  | 0     | 827970    | 135307 |      |

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Table 2.9 : Detailed Exploration (Drilling in Meters) During IX<sup>th</sup> to XII<sup>th</sup> Plan

| Year                                  | Agency                      | Blocks       | CIL           |              |               |              |               |               |               |          |                | SCCL          | NLC  |
|---------------------------------------|-----------------------------|--------------|---------------|--------------|---------------|--------------|---------------|---------------|---------------|----------|----------------|---------------|------|
|                                       |                             |              | ECL           | BCCL         | CCL           | NCL          | WCL           | SECL          | MCL           | NEC      | TOTAL CIL      |               |      |
| (1)                                   | (2)                         | (3)          | (4)           | (5)          | (6)           | (7)          | (8)           | (9)           | (10)          | (11)     | (12)           | (13)          | (14) |
| 2015-16                               | Departmental                | CIL          | 54145         |              | 46119         | 19683        | 56400         | 151876        | 19219         | 0        | 347442         |               |      |
|                                       | Departmental                | Non-CIL      | 2542          |              | 4858          | 6626         |               |               | 46601         |          | 60627          | 0             |      |
|                                       | Departmental                | Pvt. Blocks  |               |              |               |              |               |               |               |          | 0              |               |      |
|                                       | <b>Departmental</b>         | <b>Total</b> | <b>56687</b>  | <b>0</b>     | <b>50977</b>  | <b>26309</b> | <b>56400</b>  | <b>151876</b> | <b>65820</b>  | <b>0</b> | <b>408069</b>  | <b>0</b>      |      |
|                                       | MECL                        | CIL          | 840           |              |               | 25854        |               | 101663        |               |          | 128357         |               |      |
|                                       | MECL                        | Non-CIL      |               |              |               | 16158        | 12445         | 75530         |               |          | 104133         | 14750         |      |
|                                       | CG/MP/Odisha Govt.          | CIL          |               |              |               |              |               | 2833          | 2442          |          | 5275           |               |      |
|                                       | Private /Contractual        | CIL          | 27687         | 22529        | 13911         |              | 12006         | 142322        | 2096          |          | 220551         |               |      |
|                                       | Private /Contractual        | Non-CIL      | 1826          |              | 7921          |              | 26645         | 66909         | 9318          |          | 112619         |               |      |
|                                       | <b>Private /Contractual</b> | <b>Total</b> | <b>29513</b>  | <b>22529</b> | <b>21832</b>  | <b>0</b>     | <b>38651</b>  | <b>209231</b> | <b>11414</b>  | <b>0</b> | <b>333170</b>  |               |      |
|                                       | All Agencies                | CIL          | 82672         | 22529        | 60030         | 45537        | 68406         | 398694        | 23757         | 0        | 701625         |               |      |
|                                       | All Agencies                | Non-CIL      | 4368          | 0            | 12779         | 22784        | 39090         | 142439        | 55919         | 0        | 277379         | 14750         |      |
| <b>2015-16(XII<sup>th</sup> Plan)</b> | <b>All Agencies</b>         | <b>Total</b> | <b>87040</b>  | <b>22529</b> | <b>72809</b>  | <b>68321</b> | <b>107496</b> | <b>541133</b> | <b>79676</b>  | <b>0</b> | <b>979004</b>  | <b>14750</b>  |      |
| 2016-17                               | Departmental                | CIL          | 61819         |              | 53579         | 32608        | 61894         | 155721        | 16940         | 0        | 382561         |               |      |
|                                       | Departmental                | Non-CIL      | 2503          |              | 817           | 4332         |               | 5053          | 46101         |          | 58806          | 0             |      |
|                                       | Departmental                | Pvt. Blocks  |               |              |               |              |               |               |               |          | 0              |               |      |
|                                       | <b>Departmental</b>         | <b>Total</b> | <b>64322</b>  | <b>0</b>     | <b>54396</b>  | <b>36940</b> | <b>61894</b>  | <b>160774</b> | <b>63041</b>  | <b>0</b> | <b>441367</b>  | <b>0</b>      |      |
|                                       | MECL                        | CIL          | 11935         |              |               | 20317        |               | 160320        |               |          | 192572         |               |      |
|                                       | MECL                        | Non-CIL      |               |              |               | 3659         | 3893          | 105077        |               |          | 112629         | 151431        |      |
|                                       | CG/MP/Odisha Govt.          | CIL          |               |              |               |              |               | 49            | 480           |          | 529            |               |      |
|                                       | Private /Contractual        | CIL          | 69488         | 8290         | 25895         |              | 10631         | 77679         | 28469         |          | 220452         |               |      |
|                                       | Private /Contractual        | Non-CIL      | 59851         |              |               |              | 4825          | 36680         | 5719          |          | 107075         |               |      |
|                                       | <b>Private /Contractual</b> | <b>Total</b> | <b>129339</b> | <b>8290</b>  | <b>25895</b>  | <b>0</b>     | <b>15456</b>  | <b>114359</b> | <b>34188</b>  | <b>0</b> | <b>327527</b>  |               |      |
|                                       | All Agencies                | CIL          | 143242        | 8290         | 79474         | 52925        | 72525         | 393769        | 45889         | 0        | 796114         |               |      |
|                                       | All Agencies                | Non-CIL      | 62354         | 0            | 817           | 7991         | 8718          | 146810        | 51820         | 0        | 278510         | 151431        |      |
| <b>2016-17(XII<sup>th</sup> Plan)</b> | <b>All Agencies</b>         | <b>Total</b> | <b>205596</b> | <b>8290</b>  | <b>80291</b>  | <b>60916</b> | <b>81243</b>  | <b>540579</b> | <b>97709</b>  | <b>0</b> | <b>1074624</b> | <b>151431</b> |      |
| 2017-18                               | Departmental                | CIL          | 53804         |              | 26570         | 16737        | 60838         | 131623        | 15218         | 0        | 304790         |               |      |
|                                       | Departmental                | Non-CIL      | 16632         |              | 11461         | 28502        | 11556         | 21530         | 49343         |          | 139024         | 0             |      |
|                                       | Departmental                | Pvt. Blocks  |               |              |               |              |               |               |               |          | 0              |               |      |
|                                       | <b>Departmental</b>         | <b>Total</b> | <b>70436</b>  | <b>0</b>     | <b>38031</b>  | <b>45239</b> | <b>72394</b>  | <b>153153</b> | <b>64561</b>  | <b>0</b> | <b>443814</b>  | <b>0</b>      |      |
|                                       | MECL                        | CIL          | 23240         |              |               | 35414        |               | 179100        |               |          | 237754         |               |      |
|                                       | MECL                        | Non-CIL      |               |              |               |              |               | 165300        |               |          | 165300         | 109109        |      |
|                                       | CG/MP/Odisha Govt.          | CIL          |               |              |               |              |               |               | 2121          |          | 2121           |               |      |
|                                       | Private /Contractual        | CIL          | 99045         |              | 57831         |              | 55836         | 63515         | 26787         |          | 303014         |               |      |
|                                       | Private /Contractual        | Non-CIL      | 48334         |              | 6596          |              | 952           | 53746         | 31967         |          | 141595         |               |      |
|                                       | <b>Private /Contractual</b> | <b>Total</b> | <b>147379</b> | <b>0</b>     | <b>64427</b>  | <b>0</b>     | <b>56788</b>  | <b>117261</b> | <b>58754</b>  | <b>0</b> | <b>444609</b>  |               |      |
|                                       | All Agencies                | CIL          | 176089        | 0            | 84401         | 52151        | 116674        | 374238        | 44126         | 0        | 847679         |               |      |
|                                       | All Agencies                | Non-CIL      | 64966         | 0            | 18057         | 28502        | 12508         | 240576        | 81310         | 0        | 445919         | 109109        |      |
| <b>2017-18(XII<sup>th</sup> Plan)</b> | <b>All Agencies</b>         | <b>Total</b> | <b>241055</b> | <b>0</b>     | <b>102458</b> | <b>80653</b> | <b>129182</b> | <b>614814</b> | <b>125436</b> | <b>0</b> | <b>1293598</b> | <b>109109</b> |      |

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Table 2.9 : Detailed Exploration (Drilling in Meters) During IX<sup>th</sup> to XII<sup>th</sup> Plan

| Year                                  | Agency                      | Blocks       | CIL           |              |               |              |               |               |               |             |                | SCCL          | NLC          |
|---------------------------------------|-----------------------------|--------------|---------------|--------------|---------------|--------------|---------------|---------------|---------------|-------------|----------------|---------------|--------------|
|                                       |                             |              | ECL           | BCCL         | CCL           | NCL          | WCL           | SECL          | MCL           | NEC         | TOTAL CIL      |               |              |
| (1)                                   | (2)                         | (3)          | (4)           | (5)          | (6)           | (7)          | (8)           | (9)           | (10)          | (11)        | (12)           | (13)          | (14)         |
| 2018-19                               | Departmental                | CIL          | 58700         |              | 46300         | 9200         | 47100         | 168300        | 28900         | 0           | 358500         |               |              |
|                                       | Departmental                | Non-CIL      | 5700          |              | 600           | 36900        | 43800         | 9600          | 44700         |             | 141300         | 0             |              |
|                                       | Departmental                | Pvt. Blocks  |               |              |               |              |               |               |               |             | 0              |               |              |
|                                       | <b>Departmental</b>         | <b>Total</b> | <b>64400</b>  | <b>0</b>     | <b>46900</b>  | <b>46100</b> | <b>90900</b>  | <b>177900</b> | <b>73600</b>  | <b>0</b>    | <b>499800</b>  | <b>0</b>      |              |
|                                       | MECL                        | CIL          | 10100         |              |               | 17700        |               | 229900        |               |             | 257700         |               |              |
|                                       | MECL                        | Non-CIL      | 9700          |              |               |              |               | 173000        |               |             | 182700         | 101275        |              |
|                                       | CG/MP/Odisha Govt.          | CIL          |               |              |               |              |               |               | 2000          |             | 2000           |               |              |
|                                       | Private /Contractual        | CIL          | 63900         | 1300         | 74700         |              | 67700         | 33600         | 500           |             | 241700         |               |              |
|                                       | Private /Contractual        | Non-CIL      | 84000         |              | 15100         | 12900        |               | 24300         | 19000         |             | 155300         |               |              |
|                                       | <b>Private /Contractual</b> | <b>Total</b> | <b>147900</b> | <b>1300</b>  | <b>89800</b>  | <b>12900</b> | <b>67700</b>  | <b>57900</b>  | <b>19500</b>  | <b>0</b>    | <b>397000</b>  |               |              |
|                                       | All Agencies                | CIL          | 132700        | 1300         | 121000        | 26900        | 114800        | 431800        | 31400         | 0           | 859900         |               |              |
|                                       | All Agencies                | Non-CIL      | 99400         | 0            | 15700         | 49800        | 43800         | 206900        | 63700         | 0           | 479300         | 101275        |              |
| <b>2018-19(XII<sup>th</sup> Plan)</b> | <b>All Agencies</b>         | <b>Total</b> | <b>232100</b> | <b>1300</b>  | <b>136700</b> | <b>76700</b> | <b>158600</b> | <b>638700</b> | <b>95100</b>  | <b>0</b>    | <b>1339200</b> | <b>101275</b> |              |
| 2019-20                               | Departmental                | CIL          | 38200         |              | 24900         | 6500         | 33100         | 139100        | 15300         | 0           | 257100         |               |              |
|                                       | Departmental                | Non-CIL      | 24900         |              | 28800         | 32900        | 52400         | 33800         | 58600         |             | 231400         | 0             |              |
|                                       | Departmental                | Pvt. Blocks  |               |              |               |              |               |               |               |             | 0              |               |              |
|                                       | <b>Departmental</b>         | <b>Total</b> | <b>63100</b>  | <b>0</b>     | <b>53700</b>  | <b>39400</b> | <b>85500</b>  | <b>172900</b> | <b>73900</b>  | <b>0</b>    | <b>488500</b>  | <b>0</b>      |              |
|                                       | MECL                        | CIL          | 6400          | 10100        |               | 10400        |               | 126200        |               |             | 153100         |               |              |
|                                       | MECL                        | Non-CIL      | 8300          |              |               |              |               | 309600        |               | 1400        | 319300         | 87605         |              |
|                                       | CG/MP/Odisha Govt.          | CIL          |               |              |               |              |               |               | 2700          |             | 2700           |               |              |
|                                       | Private /Contractual        | CIL          | 11800         | 57500        | 27700         |              | 29700         | 43400         | 200           |             | 170300         |               |              |
|                                       | Private /Contractual        | Non-CIL      | 71600         |              | 23400         | 0            |               | 10400         | 18900         |             | 124300         |               |              |
|                                       | <b>Private /Contractual</b> | <b>Total</b> | <b>83400</b>  | <b>57500</b> | <b>51100</b>  | <b>0</b>     | <b>29700</b>  | <b>53800</b>  | <b>19100</b>  | <b>0</b>    | <b>294600</b>  |               |              |
|                                       | All Agencies                | CIL          | 56400         | 67600        | 52600         | 16900        | 62800         | 308700        | 18200         | 0           | 583200         |               |              |
|                                       | All Agencies                | Non-CIL      | 104800        | 0            | 52200         | 32900        | 52400         | 353800        | 77500         | 1400        | 675000         | 87605         |              |
| <b>2019-20(XII<sup>th</sup> Plan)</b> | <b>All Agencies</b>         | <b>Total</b> | <b>161200</b> | <b>67600</b> | <b>104800</b> | <b>49800</b> | <b>115200</b> | <b>662500</b> | <b>95700</b>  | <b>1400</b> | <b>1258200</b> | <b>87605</b>  |              |
| 2020-21                               | Departmental                | CIL          | 29262         |              | 31382         | 14595        | 36443         | 175938        | 2084          | 0           | 289704         |               |              |
|                                       | Departmental                | Non-CIL      | 30149         |              | 20464         | 24602        | 33678         | 3681          | 71993         |             | 184567         | 0             |              |
|                                       | Departmental                | Pvt. Blocks  |               |              |               |              |               |               |               |             | 0              |               |              |
|                                       | <b>Departmental</b>         | <b>Total</b> | <b>59411</b>  | <b>0</b>     | <b>51846</b>  | <b>39197</b> | <b>70121</b>  | <b>179619</b> | <b>74077</b>  | <b>0</b>    | <b>474271</b>  | <b>0</b>      |              |
|                                       | MECL                        | CIL          |               | 14076        |               | 11847        |               | 76656         |               |             | 102579         |               |              |
|                                       | MECL                        | Non-CIL      | 5297          |              | 12475         |              |               | 345007        | 14412         | 4370        | 381561         | 54063         | 15071        |
|                                       | CG/MP/Odisha Govt.          | CIL          |               |              |               |              |               |               | 1356          |             | 1356           |               |              |
|                                       | Private /Contractual        | CIL          | 19637         | 52863        | 50708         |              |               | 4454          | 23666         |             | 151328         |               |              |
|                                       | Private /Contractual        | Non-CIL      | 8809          |              | 8295          | 0            |               | 8117          | 48109         |             | 73330          |               |              |
|                                       | <b>Private /Contractual</b> | <b>Total</b> | <b>28446</b>  | <b>52863</b> | <b>59003</b>  | <b>0</b>     | <b>0</b>      | <b>12571</b>  | <b>71775</b>  | <b>0</b>    | <b>224658</b>  |               |              |
|                                       | All Agencies                | CIL          | 48899         | 66939        | 82090         | 26442        | 36443         | 257048        | 27106         | 0           | 544967         |               |              |
|                                       | All Agencies                | Non-CIL      | 44255         | 0            | 41234         | 24602        | 33678         | 356805        | 134514        | 4370        | 639458         | 54063         | 15071        |
| <b>2020-21(XII<sup>th</sup> Plan)</b> | <b>All Agencies</b>         | <b>Total</b> | <b>93154</b>  | <b>66939</b> | <b>123324</b> | <b>51044</b> | <b>70121</b>  | <b>613853</b> | <b>161620</b> | <b>4370</b> | <b>1184425</b> | <b>54063</b>  | <b>15071</b> |

3

# Production & Productivity



## Section III

### Production & Productivity

#### 3.1 Production

**3.1.1** In 2020-21, the production of raw coal in India was 716.083 MT, showing a decrease of 2.02% over the previous year. In the same year production of lignite was 37.895 MT, showing a decrease of 9.98% over 2019-20.

**3.1.2 Statement 3.1** shows the production of coal in 2020-21 by different companies.

| Statement 3.1: Raw Coal Production in India by Company |                                |                |                |
|--------------------------------------------------------|--------------------------------|----------------|----------------|
| Company                                                | Coal Production (2020-21) [MT] |                |                |
|                                                        | Coking                         | Non-Coking     | Total          |
| ECL                                                    | 0.015                          | 44.989         | 45.004         |
| BCCL                                                   | 23.384                         | 1.272          | 24.656         |
| CCL                                                    | 15.043                         | 47.546         | 62.589         |
| NCL                                                    |                                | 115.042        | 115.042        |
| WCL                                                    | 0.181                          | 50.094         | 50.275         |
| SECL*                                                  | 0.219                          | 150.387        | 150.606        |
| MCL                                                    |                                | 148.013        | 148.013        |
| NEC                                                    |                                | 0.036          | 0.036          |
| CIL                                                    | 38.842                         | 557.379        | 596.221        |
| SCCL                                                   |                                | 50.580         | 50.580         |
| Other Public                                           | 0.092                          | 39.057         | 39.149         |
| <b>Total Public</b>                                    | <b>38.934</b>                  | <b>647.016</b> | <b>685.950</b> |
| <b>Total Private</b>                                   | <b>5.853</b>                   | <b>24.280</b>  | <b>30.133</b>  |
| <b>All India</b>                                       | <b>44.787</b>                  | <b>671.296</b> | <b>716.083</b> |

\*Including Production from SECL(GP-IV/1) and (GP-IV/2&3) coal blocks.

It can be seen that Coal India Ltd. accounted for 83.26% of coal production in the country. The share of SCCL in coal production was 7.06%. Contribution from the Public Sector and Private Sector was 95.79% and 4.21% respectively. The major contributions to the total coal production of the country in 2020-21 were from SECL (21.03%), MCL (20.67%), NCL (16.07%), CCL (8.74%) and SCCL (7.06%). The production from these five companies collectively accounted for 73.57% of the total coal production of the country.

**From Statement 3.1** it can also be seen that the major share in total coal production was of non-coking coal (93.75%).

**3.1.3 Statement 3.2** shows the coal production in India during 2020-21 by different states. From this statement, it can be observed that the four major coal producing states were Chhattisgarh (22.12%), Odisha (21.53%), Jharkhand (17.24%), and Madhya Pradesh (18.51%). These four states together accounted for about 78.82% of the total coal production in the country.

| Statement 3.2: Raw Coal Production in India by State |                                |                |                |
|------------------------------------------------------|--------------------------------|----------------|----------------|
| States                                               | Coal Production (2020-21) [MT] |                |                |
|                                                      | Coking                         | Non-Coking     | Total          |
| Assam                                                | -                              | 0.036          | 0.036          |
| Chhattisgarh                                         | 0.219                          | 158.191        | 158.410        |
| Jammu & Kashmir                                      | -                              | 0.010          | 0.010          |
| Jharkhand                                            | 44.387                         | 79.041         | 123.428        |
| Madhya Pradesh                                       | 0.181                          | 132.350        | 132.531        |
| Maharashtra                                          | -                              | 47.435         | 47.435         |
| Odisha                                               | -                              | 154.151        | 154.151        |
| Telangana                                            | -                              | 52.063         | 52.063         |
| Uttar Pradesh                                        | -                              | 17.016         | 17.016         |
| West Bengal                                          | -                              | 30.463         | 30.463         |
| <b>Total</b>                                         | <b>44.787</b>                  | <b>671.296</b> | <b>716.083</b> |

**3.1.4 Statement 3.2** also shows that almost all coking coal was produced in the state of Jharkhand which accounted for 99.11% of the total coking coal production. It can be seen from Table 3.2 that during 2020-21, the production of coking coal registered a decrease of 15.39% over 2019-20 whereas production of non-coking coal decreased by 0.98%.

**3.1.5** From table 3.19 it can be observed that in 2020-21, the production from the Open Cast system of mining accounted for 95.50% of the total coal production, and the rest 4.50% was accounted for by the Under Ground system of mining. From this table, it is interesting to note that the share of Open Cast mining in total coal production has been steadily increasing over time, and in the last ten years, it has increased from 90.38% in 2011-12 to 95.50% in 2020-21 whereas in case of Under Ground mining the share has a decreasing trend, 9.62% in 2011-12 to 4.50% in 2020-21.

**3.1.6** From table 3.3, it can be seen that the total production of coal products decreased from 42.579 MT in 2019-20 to 40.475 MT in 2020-21. It can also be seen that in 2020-21, the production of washed coking coal decreased by 14.51% and washed non-coking coal decreased by 2.49% over the previous year. The production of coking coal middlings increased by 2.14 % from 2019-20. In 2020-21, the production of hard coke decreased by 6.39% from 2019-20. The production of washed coal (coking and non-coking) was 22.951 MT against the total raw coal production of 716.083 MT in 2020-21.

**3.1.7** Stripping Ratio defined as the ratio of OBR (Over Burden Removal) to coal produced in Open Cast mining has been of interest to the researchers. From table 3.22 it can be seen that in 2020-21, the stripping ratio at all India level was 2.67 while it was 2.55 in 2019-20. The stripping ratio of CIL was 2.18 and of SCCL was 7.00 in 2020-21. The stripping ratio for the Public Sector was 2.60 and for the Private Sector was 4.16. In the case of CIL subsidiaries, BCCL reported the lowest stripping ratio of 0.16 whereas NEC reported the highest stripping ratio of 17.19.

**3.1.8** Output Per Man Shift (OMS) is one of the measures of efficiency for production. Table 3.23 shows OMS for 2020-21 of the two major players in the Public Sector, namely, CIL and SCCL by type of mining. It is seen that during 2020-21, in respect of Open Cast mining, OMS (in Tonnes) of CIL was 19.42 and of SCCL was 13.86.

In the case of Under Ground mining, OMS (in Tonnes) of CIL was 0.93 and SCCL was 0.92. From Table 3.23 it can also be seen that in the case of CIL (OC), OMS has shown an increasing trend in the last ten years, from 10.40 in 2011-12 to 19.42 in 2020-21. In the case of SCCL, the trend is a fluctuating one over the last ten years.

**Statement 3.3: OMS (Tonnes) in OC & UG Mines in 2019-20 & 2020-21 for CIL & SCCL**

| Year                 | Company     | 2019-20     | 2020-21      |
|----------------------|-------------|-------------|--------------|
| OMS (OC)             | CIL         | 17.90       | 19.42        |
|                      | SCCL        | 16.57       | 13.86        |
| OMS (UG)             | CIL         | 0.99        | 0.93         |
|                      | SCCL        | 1.44        | 0.92         |
| <b>OMS (Overall)</b> | <b>CIL</b>  | <b>9.64</b> | <b>10.32</b> |
|                      | <b>SCCL</b> | <b>4.89</b> | <b>5.62</b>  |

### 3.1.9 Lignite Production:

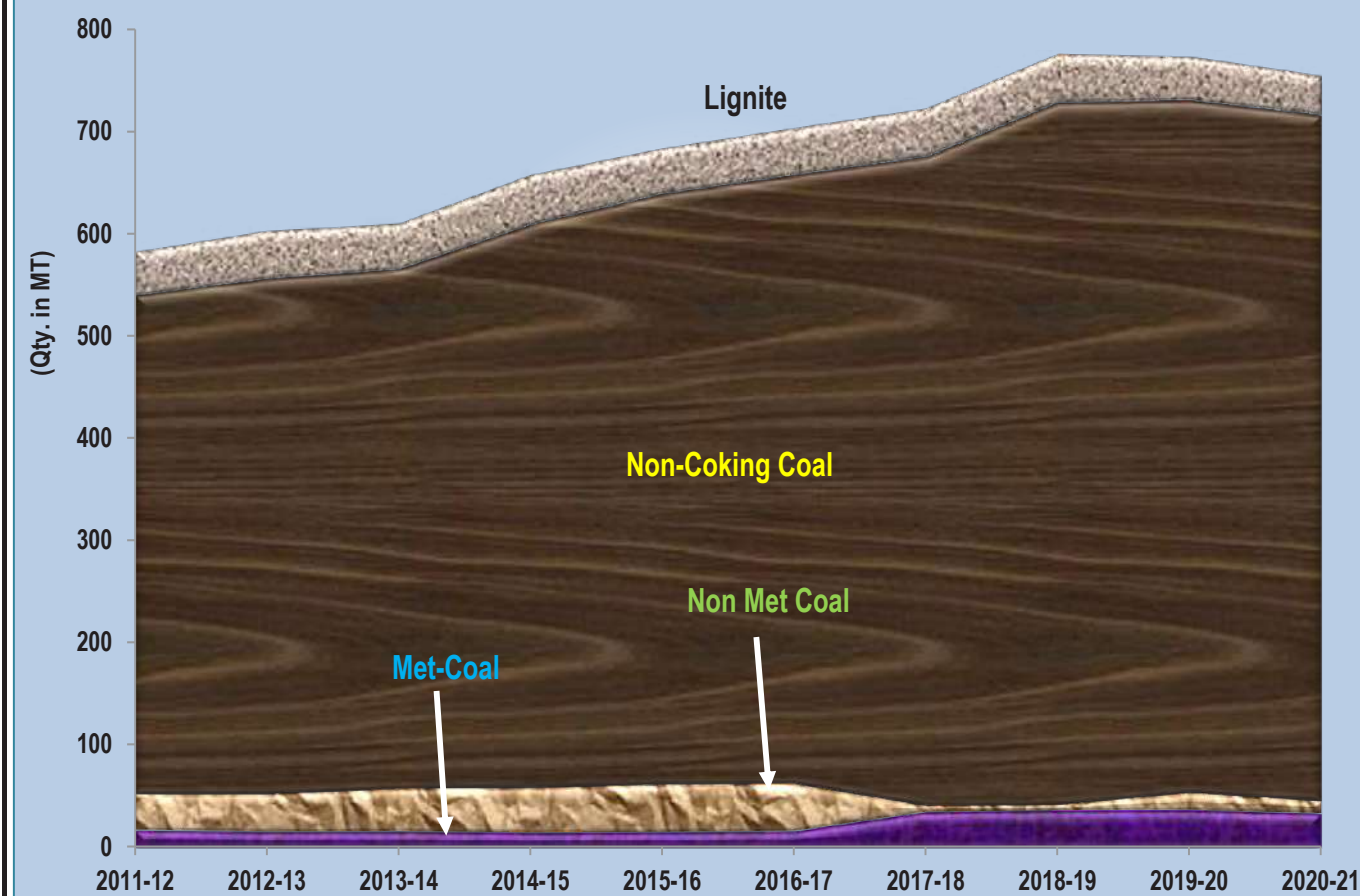
**Statement 3.4** shows production of lignite by different companies in 2019-20 and 2020-21. It can be seen that in case of lignite the three major companies were NLC, GMDCL and BLMCL which contributed 50.83%, 15.84% and 15.88% respectively to the total lignite production of 2020-21.

**Statement 3.4: Lignite Production(MT) in India by Company in 2019-20 and 2020-21**

| Company          | 2019-20       | 2020-21       |
|------------------|---------------|---------------|
| NLC              | 24.864        | 19.263        |
| GMDCL            | 6.957         | 6.004         |
| GIPCL            | 3.342         | 3.507         |
| RSMML            | 0.790         | 0.830         |
| GHCL             | 0.058         | 0.021         |
| VSLPPL           | 0.672         | 0.971         |
| GPCL             |               | 1.281         |
| BLMCL            | 5.413         | 6.018         |
| <b>All India</b> | <b>42.096</b> | <b>37.895</b> |

(Qty. in MT)

**Chart III.1 - Area Graph : Trend of Production of Different Type of Raw Coal and Lignite from 2011-12 to 2020-21**



**Production of Different Type of Raw Coal and Lignite**

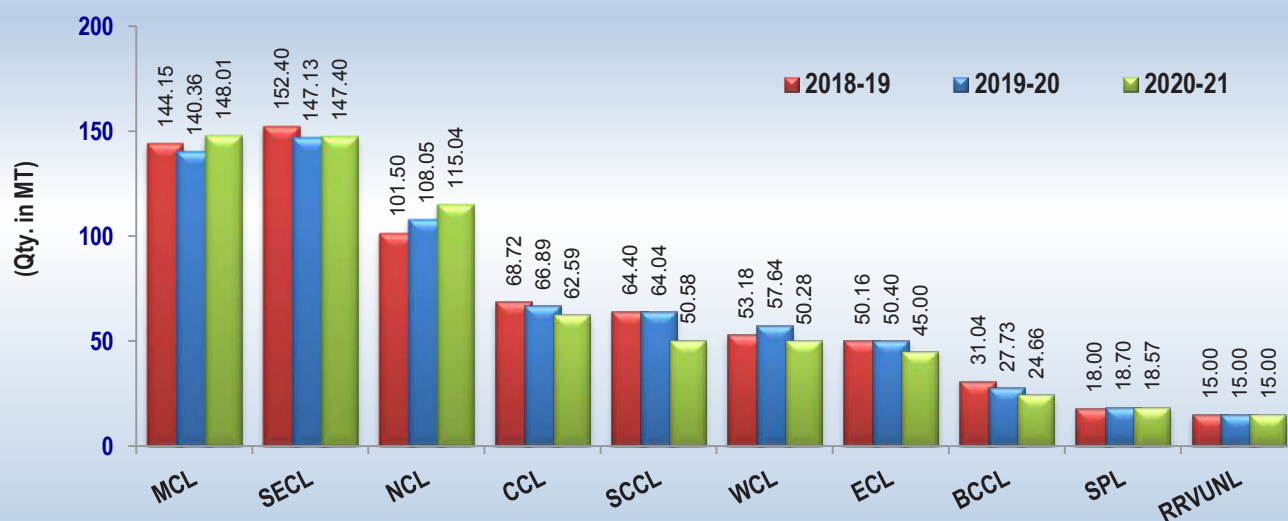
(Qty. in MT)

| Year    | Met Coal | Non Met Coal | Total Coking | Non-Coking | Total Raw Coal | Lignite |
|---------|----------|--------------|--------------|------------|----------------|---------|
| (1)     | (2)      | (3)          | (4)          | (5)        | (6)            | (7)     |
| 2011-12 | 16.239   | 35.421       | 51.660       | 488.290    | 539.950        | 42.332  |
| 2012-13 | 14.547   | 37.035       | 51.582       | 504.820    | 556.402        | 46.453  |
| 2013-14 | 15.114   | 41.704       | 56.818       | 508.947    | 565.765        | 44.271  |
| 2014-15 | 13.784   | 43.662       | 57.446       | 551.733    | 609.179        | 48.270  |
| 2015-16 | 14.339   | 46.548       | 60.887       | 578.343    | 639.230        | 43.842  |
| 2016-17 | 15.254   | 46.407       | 61.661       | 596.207    | 657.868        | 45.230  |
| 2017-18 | 33.884   | 6.264        | 40.148       | 635.252    | 675.400        | 46.644  |
| 2018-19 | 35.084   | 6.048        | 41.132       | 687.586    | 728.718        | 46.644  |
| 2019-20 | 35.451   | 17.485       | 52.936       | 677.938    | 730.874        | 42.096  |
| 2020-21 | 32.276   | 12.511       | 44.787       | 671.296    | 716.083        | 37.895  |

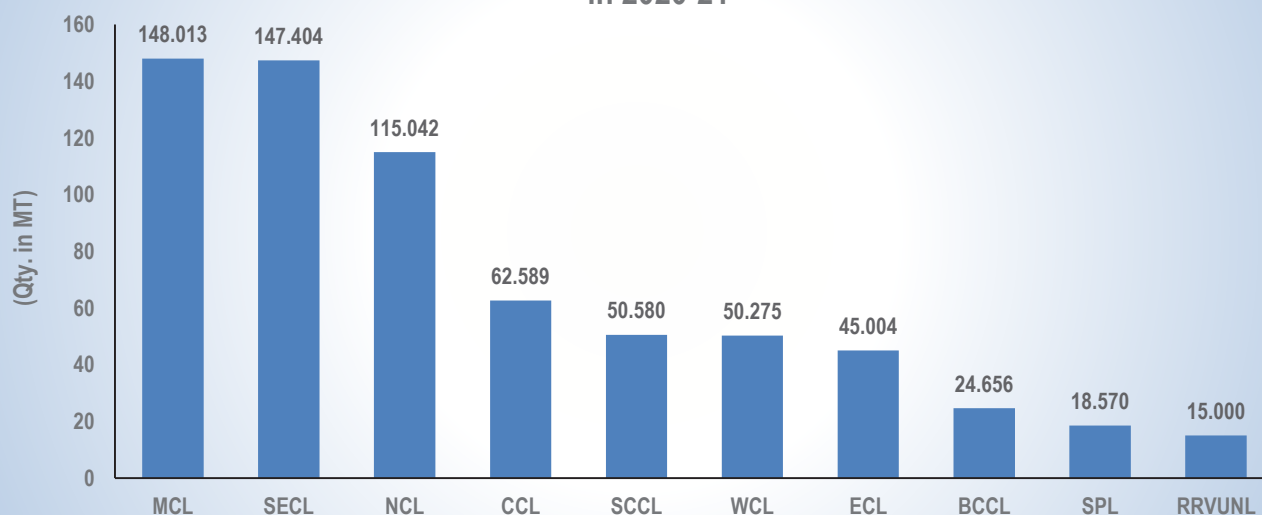
Note: 1. This is an area graph. Area in between bottom & top boundary for each item shows contribution of that item to total solid fossil fuel.

2. Note: The huge growth (122.1%) of Metallurgical Coal in 2017-18 over previous year was due to BCCL's contribution of 22.286 million tonnes of Metallurgical Coal in 2017-18.

Ch-III.2: Raw Coal Production of the Top Ten Companies during Last Three Years



Ch-III.3: Raw Coal Production of the Top Ten Companies in 2020-21



Ch-III.4: 95% Production (Approx) of Raw Coal was Shared by Top Ten Companies in 2020-21

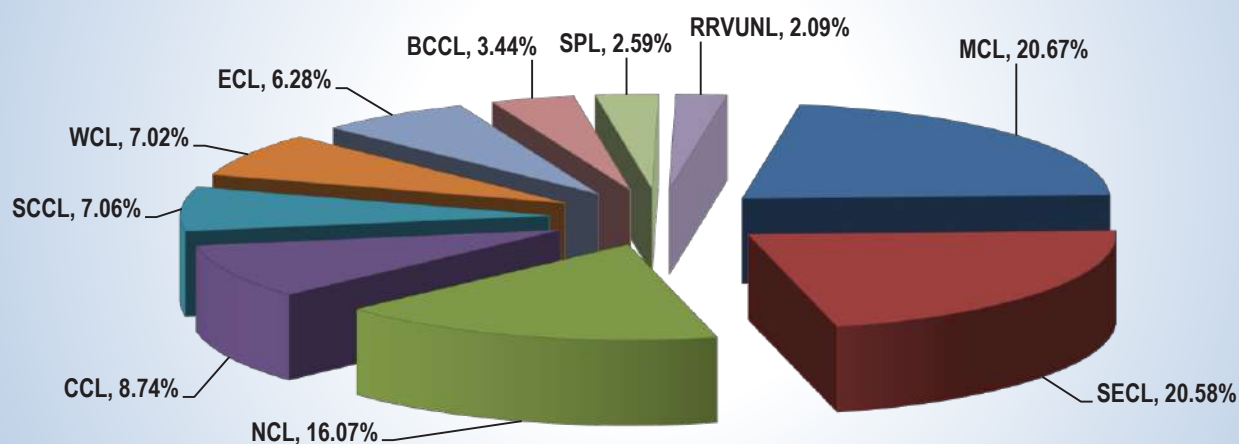
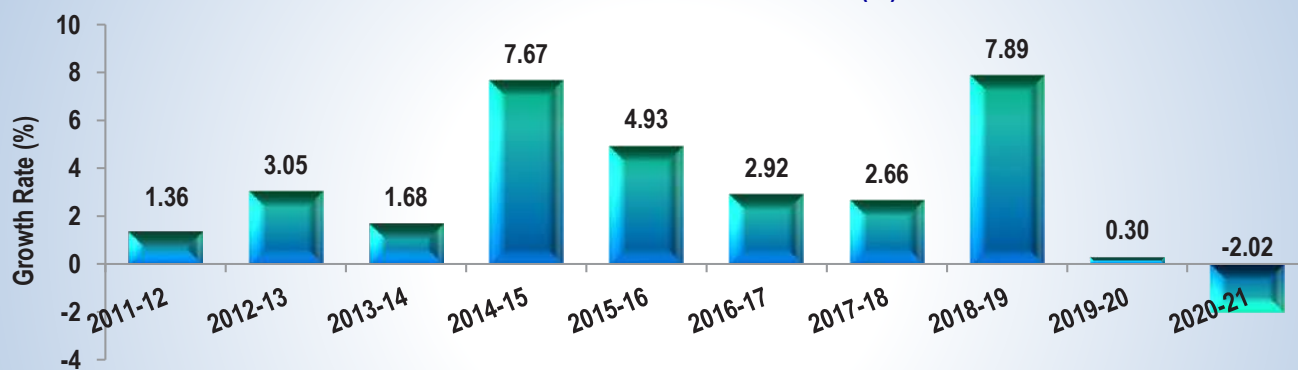


Table 3.1: Trend of Production of Raw Coal and Lignite in Last Ten Years

(Qty. in MT)

| Year    | Raw Coal   |                                      |                               | Lignite    |                                      |                               | Total Solid Fossil Fuel |                               |
|---------|------------|--------------------------------------|-------------------------------|------------|--------------------------------------|-------------------------------|-------------------------|-------------------------------|
|         | Production | Share in Total Solid Fossil Fuel (%) | Growth over Previous Year (%) | Production | Share in Total Solid Fossil Fuel (%) | Growth over Previous Year (%) | Production              | Growth over Previous Year (%) |
| (1)     | (2)        | (3)                                  | (4)                           | (5)        | (6)                                  | (7)                           | (8)                     | (9)                           |
| 2011-12 | 539.950    | 92.73                                | 1.36                          | 42.332     | 7.27                                 | 12.19                         | 582.282                 | 2.08                          |
| 2012-13 | 556.402    | 92.29                                | 3.05                          | 46.453     | 7.71                                 | 9.73                          | 602.855                 | 3.53                          |
| 2013-14 | 565.765    | 92.74                                | 1.68                          | 44.271     | 7.26                                 | -4.70                         | 610.036                 | 1.19                          |
| 2014-15 | 609.179    | 92.66                                | 7.67                          | 48.270     | 7.34                                 | 9.03                          | 657.449                 | 7.77                          |
| 2015-16 | 639.230    | 93.58                                | 4.93                          | 43.842     | 6.42                                 | -9.17                         | 683.072                 | 3.90                          |
| 2016-17 | 657.868    | 93.57                                | 2.92                          | 45.230     | 6.43                                 | 3.17                          | 703.098                 | 2.93                          |
| 2017-18 | 675.400    | 93.54                                | 2.66                          | 46.644     | 6.46                                 | 3.13                          | 722.044                 | 2.69                          |
| 2018-19 | 728.718    | 94.27                                | 7.89                          | 44.283     | 5.73                                 | -5.06                         | 773.001                 | 7.06                          |
| 2019-20 | 730.874    | 94.55                                | 0.30                          | 42.096     | 5.45                                 | -4.94                         | 772.970                 | 0.00                          |
| 2020-21 | 716.083    | 94.97                                | -2.02                         | 37.895     | 5.03                                 | -9.98                         | 753.978                 | -2.46                         |

Growth of Raw Coal over Previous Years (%)



Growth of Lignite over Previous Years (%)

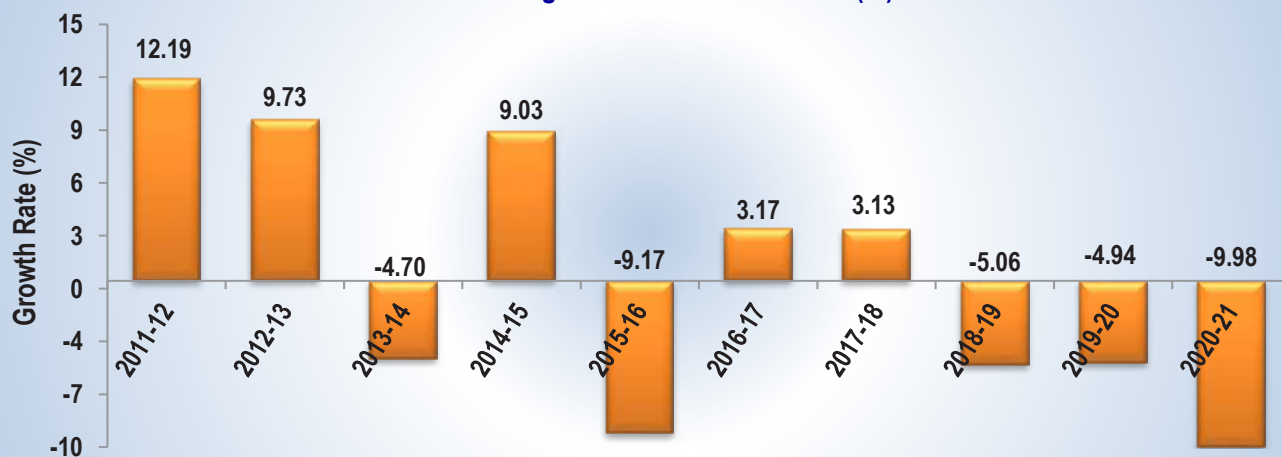


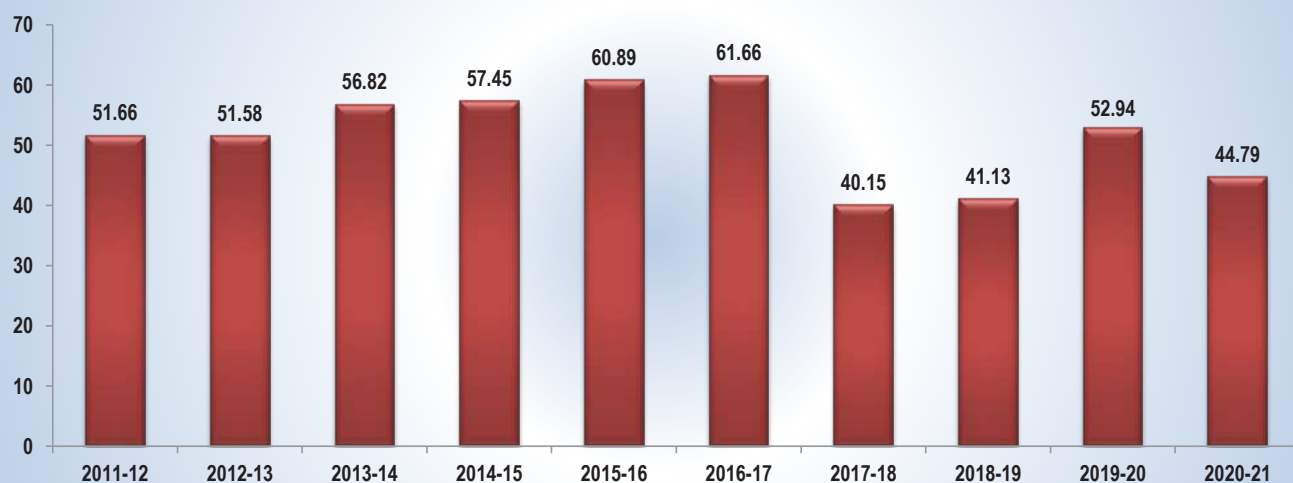
Table 3.2: Trend of Production of Different Type of Raw Coal in Last Ten Years

(Qty. in MT)

| Year    | Coking Coal        |                          |                               |                        |                          |                               |                   |                             |                               | Non-Coking Coal |                             |                               | Total Raw Coal |                               |
|---------|--------------------|--------------------------|-------------------------------|------------------------|--------------------------|-------------------------------|-------------------|-----------------------------|-------------------------------|-----------------|-----------------------------|-------------------------------|----------------|-------------------------------|
|         | Metallurgical Coal |                          |                               | Non-Metallurgical Coal |                          |                               | Total Coking Coal |                             |                               | Production      | Share in Total Raw Coal (%) | Growth over Previous Year (%) | Production     | Growth over Previous Year (%) |
|         | Production         | Share in Coking Coal (%) | Growth over Previous Year (%) | Production             | Share in Coking Coal (%) | Growth over Previous Year (%) | Production        | Share in Total Raw Coal (%) | Growth over Previous Year (%) |                 |                             |                               |                |                               |
| (1)     | (2)                | (3)                      | (4)                           | (5)                    | (6)                      | (7)                           | (8)               | (9)                         | (10)                          | (11)            | (12)                        | (13)                          | (14)           | (15)                          |
| 2011-12 | 16.239             | 31.4                     | -8.2                          | 35.421                 | 68.6                     | 11.2                          | 51.660            | 9.6                         | 4.3                           | 488.290         | 90.4                        | 1.1                           | 539.950        | 1.4                           |
| 2012-13 | 14.547             | 28.2                     | -10.4                         | 37.035                 | 71.8                     | 4.6                           | 51.582            | 9.3                         | -0.2                          | 504.820         | 90.7                        | 3.4                           | 556.402        | 3.0                           |
| 2013-14 | 15.114             | 26.6                     | 3.9                           | 41.704                 | 73.4                     | 12.6                          | 56.818            | 10.0                        | 10.2                          | 508.947         | 90.0                        | 0.8                           | 565.765        | 1.7                           |
| 2014-15 | 13.784             | 23.99                    | -8.8                          | 43.662                 | 76.01                    | 4.7                           | 57.446            | 9.43                        | 1.1                           | 551.733         | 90.57                       | 8.4                           | 609.179        | 7.7                           |
| 2015-16 | 14.339             | 23.55                    | 4.0                           | 46.548                 | 76.45                    | 6.6                           | 60.887            | 9.53                        | 6.0                           | 578.343         | 90.47                       | 4.8                           | 639.230        | 4.9                           |
| 2016-17 | 15.254             | 24.74                    | 6.4                           | 46.407                 | 75.26                    | -0.3                          | 61.661            | 9.37                        | 1.3                           | 596.207         | 90.63                       | 3.1                           | 657.868        | 2.9                           |
| 2017-18 | 33.884             | 84.40                    | 122.1                         | 6.264                  | 15.60                    | -86.5                         | 40.148            | 5.94                        | -34.9                         | 635.252         | 94.06                       | 6.5                           | 675.400        | 2.7                           |
| 2018-19 | 35.084             | 85.30                    | 3.5                           | 6.048                  | 14.70                    | -3.4                          | 41.132            | 5.64                        | 2.5                           | 687.586         | 94.36                       | 8.2                           | 728.718        | 7.9                           |
| 2019-20 | 35.451             | 66.97                    | 1.0                           | 17.485                 | 33.03                    | 189.1                         | 52.936            | 7.24                        | 28.7                          | 677.938         | 92.76                       | -1.4                          | 730.874        | 0.3                           |
| 2020-21 | 32.276             | 72.07                    | -9.0                          | 12.511                 | 27.93                    | -28.4                         | 44.787            | 6.25                        | -15.4                         | 671.296         | 93.75                       | -1.0                          | 716.083        | -2.0                          |

Note: The huge growth (122.1%) of Metallurgical Coal in 2017-18 over previous year was due to BCCL's contribution of 22.286 million tonnes of Metallurgical Coal in 2017-18.

Coking Coal Production



Non-Coking Coal Production

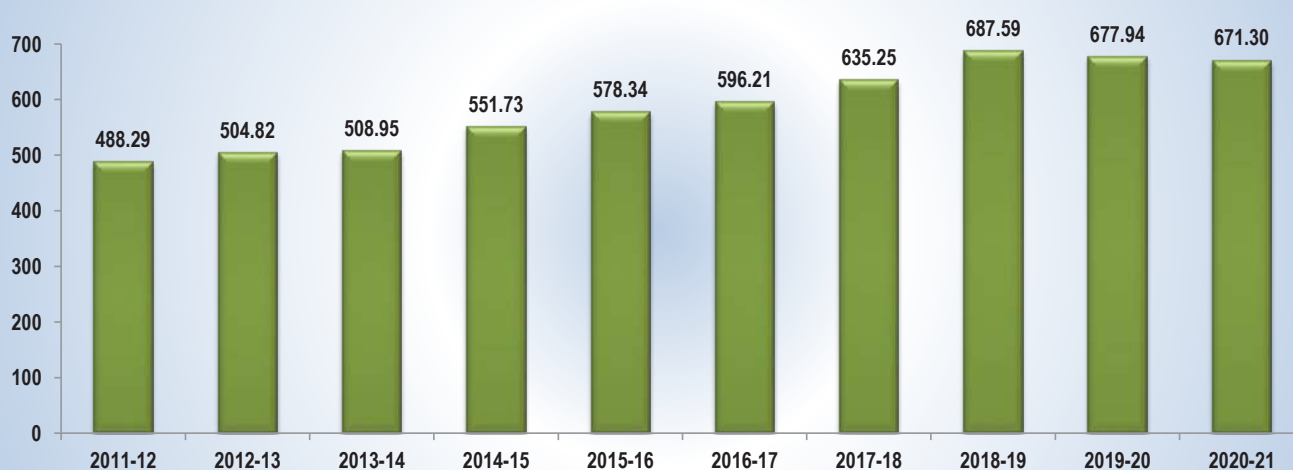
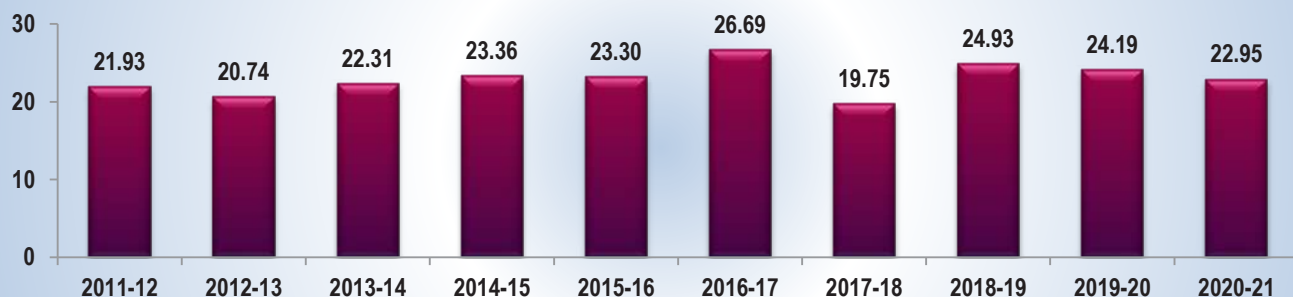


Table 3.3: Trend of Production of Different Type of Coal Products in Last Ten Years

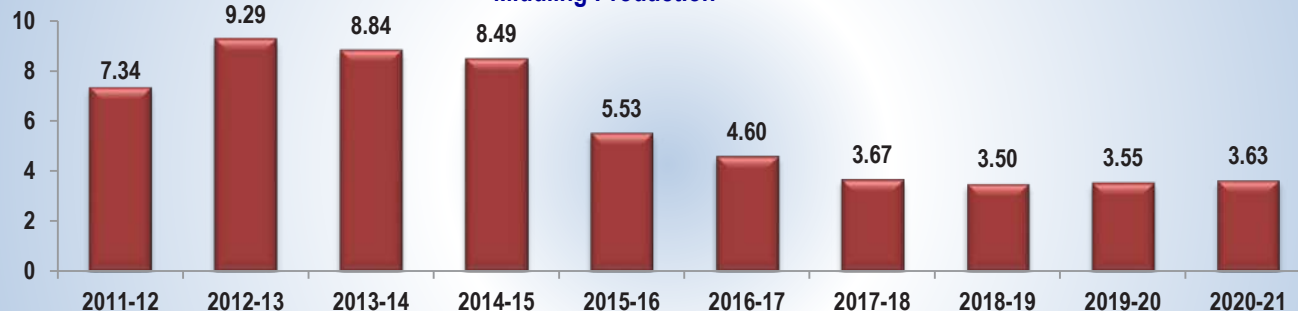
(Qty. in MT)

| Year    | Washed Coal (Coking) |                               | Washed Coal (Non-Coking) |                               | Middlings (Coking) |                               | Middlings (Non-Coking) |                               | Hard Coke  |                               |
|---------|----------------------|-------------------------------|--------------------------|-------------------------------|--------------------|-------------------------------|------------------------|-------------------------------|------------|-------------------------------|
|         | Production           | Growth over Previous Year (%) | Production               | Growth over Previous Year (%) | Production         | Growth over Previous Year (%) | Production             | Growth over Previous Year (%) | Production | Growth over Previous Year (%) |
| (1)     | (2)                  | (3)                           | (4)                      | (5)                           | (6)                | (7)                           | (8)                    | (9)                           | (10)       | (11)                          |
| 2011-12 | 6.496                | -6.60                         | 15.437                   | 6.23                          | 3.674              | -20.87                        | 3.669                  | 2.23                          | 14.330     | 11.26                         |
| 2012-13 | 6.550                | 0.83                          | 14.190                   | -8.08                         | 5.464              | 48.72                         | 3.825                  | 4.25                          | 11.694     | -18.39                        |
| 2013-14 | 6.614                | 0.98                          | 15.699                   | 10.63                         | 4.913              | -10.08                        | 3.926                  | 2.64                          | 12.606     | 7.80                          |
| 2014-15 | 6.070                | -8.22                         | 17.294                   | 10.16                         | 4.750              | -3.32                         | 3.742                  | -4.69                         | 14.290     | 13.36                         |
| 2015-16 | 6.182                | 1.85                          | 17.119                   | -1.01                         | 5.525              | 16.32                         | 0.000                  | -100.00                       | 14.368     | 0.55                          |
| 2016-17 | 6.414                | 3.75                          | 20.274                   | 18.43                         | 4.598              | -16.78                        | 0.000                  | -                             | 13.779     | -4.10                         |
| 2017-18 | 5.753                | -10.31                        | 13.999                   | -30.95                        | 3.670              | -20.18                        | 0.000                  | -                             | 13.869     | 0.65                          |
| 2018-19 | 5.570                | -3.18                         | 19.363                   | 38.32                         | 3.502              | -4.58                         | 0.000                  | -                             | 14.182     | 2.26                          |
| 2019-20 | 5.285                | -5.12                         | 18.903                   | -2.38                         | 3.547              | 1.28                          | 0.000                  | -                             | 14.844     | 4.67                          |
| 2020-21 | 4.518                | -14.51                        | 18.433                   | -2.49                         | 3.623              | 2.14                          | 0.006                  | 0.00                          | 13.895     | -6.39                         |

Washed Coal Production



Middling Production



Hard Coke Production



Note: 1. The above figures are related to Washeries (public & private) of only coal producing companies.  
 2. Hard Coke data is related to steel plants only.

Table 3.4 : Quarterly Production of Different Type of Coal and Lignite in Last Three Years

(Qty. in MT)

| Year & Quarter | Coking Coal   |               |               | Non Coking Coal |              |               | Raw Coal       |              |               | Lignite       |              |               |
|----------------|---------------|---------------|---------------|-----------------|--------------|---------------|----------------|--------------|---------------|---------------|--------------|---------------|
|                | Prdn          | Growth*       | Share**       | Prdn            | Growth*      | Share**       | Prdn           | Growth*      | Share**       | Prdn          | Growth*      | Share**       |
| (1)            | (2)           | (3)           | (4)           | (5)             | (6)          | (7)           | (8)            | (9)          | (10)          | (11)          | (12)         | (13)          |
| <b>2018-19</b> |               |               |               |                 |              |               |                |              |               |               |              |               |
| April-June     | 9.200         | 0.73          | 22.37         | 155.617         | 15.20        | 22.63         | 164.817        | 14.28        | 22.62         | 9.678         | 4.04         | 21.85         |
| July-Sept      | 10.020        | 23.13         | 24.36         | 135.455         | 5.03         | 19.70         | 145.475        | 6.10         | 19.96         | 9.359         | -1.30        | 21.13         |
| Oct-Dec        | 9.711         | -0.61         | 23.61         | 178.493         | 6.03         | 25.96         | 188.204        | 5.67         | 25.83         | 11.017        | -7.94        | 24.88         |
| Jan-Mar        | 12.201        | -6.91         | 29.66         | 218.021         | 7.47         | 31.71         | 230.222        | 6.60         | 31.59         | 14.229        | -10.47       | 32.13         |
| <b>Total</b>   | <b>41.132</b> | <b>2.45</b>   | <b>100.00</b> | <b>687.586</b>  | <b>8.24</b>  | <b>100.00</b> | <b>728.718</b> | <b>7.89</b>  | <b>100.00</b> | <b>44.283</b> | <b>-5.06</b> | <b>100.00</b> |
| <b>2019-20</b> |               |               |               |                 |              |               |                |              |               |               |              |               |
| April-June     | 11.810        | 28.37         | 22.31         | 157.076         | 0.94         | 23.17         | 168.886        | 2.47         | 23.11         | 9.732         | 0.56         | 23.12         |
| July-Sept      | 10.720        | 6.99          | 20.25         | 119.616         | -11.69       | 17.64         | 130.336        | -10.41       | 17.83         | 8.742         | -6.59        | 20.77         |
| Oct-Dec        | 12.601        | 29.76         | 23.80         | 168.844         | -5.41        | 24.91         | 181.445        | -3.59        | 24.83         | 10.320        | -6.33        | 24.52         |
| Jan-Mar        | 17.805        | 45.93         | 33.63         | 232.402         | 6.60         | 34.28         | 250.207        | 8.68         | 34.23         | 13.302        | -6.51        | 31.60         |
| <b>Total</b>   | <b>52.936</b> | <b>28.70</b>  | <b>100.00</b> | <b>677.938</b>  | <b>-1.40</b> | <b>100.00</b> | <b>730.874</b> | <b>0.30</b>  | <b>100.00</b> | <b>42.096</b> | <b>-4.94</b> | <b>100.00</b> |
| <b>2020-21</b> |               |               |               |                 |              |               |                |              |               |               |              |               |
| April-June     | 8.807         | -25.43        | 19.66         | 135.589         | -13.68       | 20.20         | 144.396        | -14.50       | 20.16         | 9.085         | -6.65        | 23.97         |
| July-Sept      | 9.628         | -10.19        | 21.50         | 128.389         | 7.33         | 19.13         | 138.017        | 5.89         | 19.27         | 6.952         | -20.48       | 18.35         |
| Oct-Dec        | 12.453        | -1.17         | 27.80         | 176.973         | 4.81         | 26.36         | 189.426        | 4.40         | 26.45         | 8.858         | -14.17       | 23.38         |
| Jan-Mar        | 13.899        | -21.94        | 31.03         | 230.345         | -0.89        | 34.31         | 244.244        | -2.38        | 34.11         | 13.000        | -2.27        | 34.31         |
| <b>Total</b>   | <b>44.787</b> | <b>-15.39</b> | <b>100.00</b> | <b>671.296</b>  | <b>-0.98</b> | <b>100.00</b> | <b>716.083</b> | <b>-2.02</b> | <b>100.00</b> | <b>37.895</b> | <b>-9.98</b> | <b>100.00</b> |

Note: (1) \*Growth (%) is calculated over similar period of last year.

(2) \*\*Share (%) is calculated as ratio of yearly production.

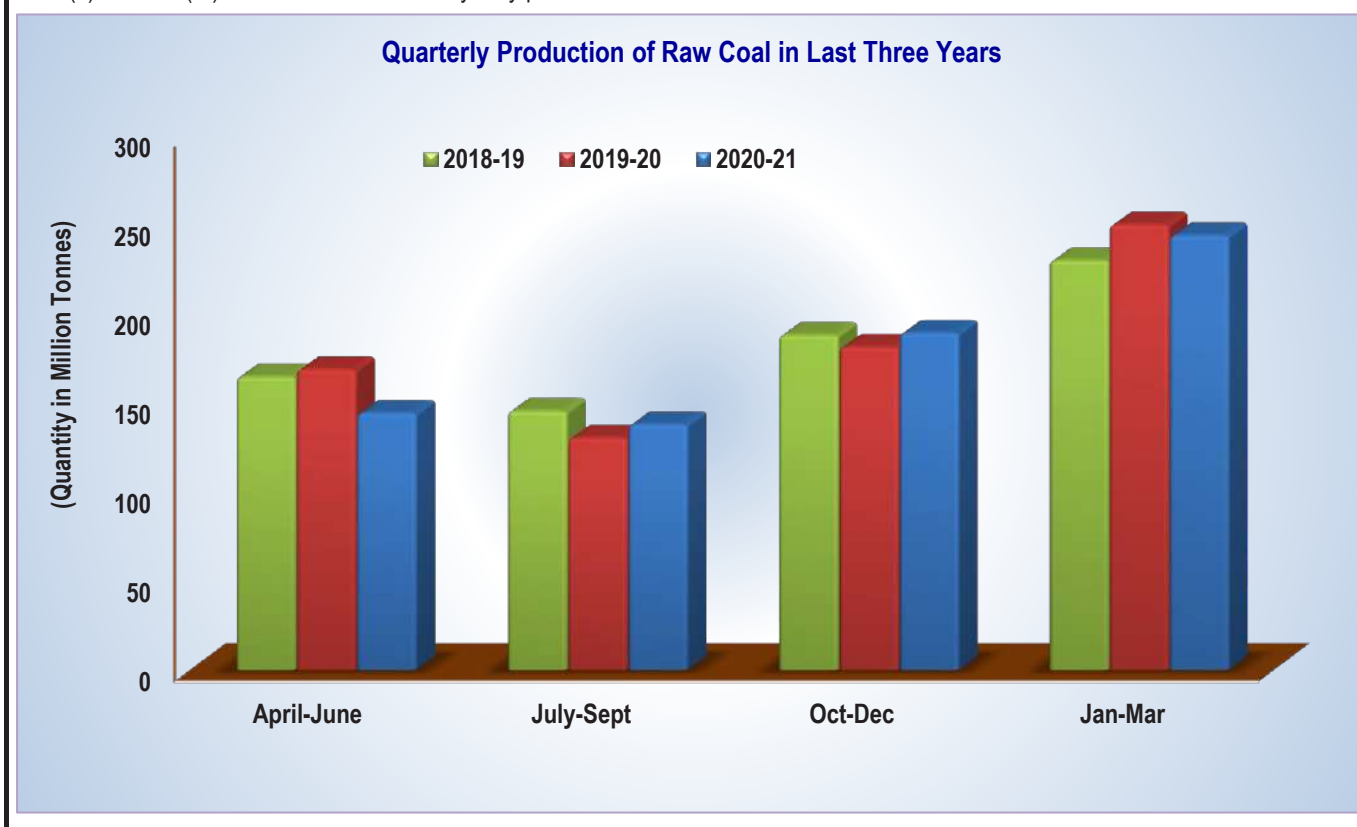


Table 3.5 : Quarterly Production of Different Type of Coal Products in Last Three Years

(Qty. in MT)

| Year & Quarter | Washed Coal (Coking) |               |               | Washed Coal (Non-coking) |              |               | Middling (Coking) |              |               | Middling (Non-Coking) |          |          | Hard Coke     |              |               |
|----------------|----------------------|---------------|---------------|--------------------------|--------------|---------------|-------------------|--------------|---------------|-----------------------|----------|----------|---------------|--------------|---------------|
|                | Prdn                 | Growth*       | Share**       | Prdn                     | Growth*      | Share**       | Prdn              | Growth*      | Share**       | Prdn                  | Growth*  | Share**  | Prdn          | Growth*      | Share**       |
| (1)            | (2)                  | (3)           | (4)           | (5)                      | (6)          | (7)           | (8)               | (9)          | (10)          | (11)                  | (12)     | (13)     | (14)          | (15)         | (16)          |
| <b>2018-19</b> |                      |               |               |                          |              |               |                   |              |               |                       |          |          |               |              |               |
| April-June     | 1.346                | -2.53         | 24.17         | 4.278                    | 53.50        | 22.09         | 0.841             | -11.01       | 24.01         | 0                     | -        | -        | 3.518         | 7.32         | 24.81         |
| July-Sept      | 1.201                | -10.10        | 21.56         | 3.990                    | 7.43         | 20.61         | 0.772             | -8.42        | 22.04         | 0                     | -        | -        | 3.484         | -1.22        | 24.57         |
| Oct-Dec        | 1.412                | 0.36          | 25.35         | 5.065                    | 40.38        | 26.16         | 0.904             | 7.11         | 25.81         | 0                     | -        | -        | 3.560         | 2.92         | 25.10         |
| Jan-Mar        | 1.611                | -1.10         | 28.92         | 6.030                    | 55.01        | 31.14         | 0.985             | -5.11        | 28.13         | 0                     | -        | -        | 3.620         | 0.42         | 25.53         |
| <b>Total</b>   | <b>5.570</b>         | <b>-3.18</b>  | <b>100.00</b> | <b>19.363</b>            | <b>38.32</b> | <b>100.00</b> | <b>3.502</b>      | <b>-4.58</b> | <b>100.00</b> | <b>0</b>              | <b>-</b> | <b>-</b> | <b>14.182</b> | <b>2.26</b>  | <b>100.00</b> |
| <b>2019-20</b> |                      |               |               |                          |              |               |                   |              |               |                       |          |          |               |              |               |
| April-June     | 1.524                | 13.22         | 28.84         | 4.242                    | -0.84        | 22.44         | 1.118             | 32.94        | 31.52         | 0.000                 | -        | -        | 3.831         | 8.90         | 25.81         |
| July-Sept      | 1.307                | 8.83          | 24.73         | 3.629                    | -9.05        | 19.20         | 0.896             | 16.06        | 25.26         | 0.000                 | -        | -        | 3.823         | 9.73         | 25.75         |
| Oct-Dec        | 1.190                | -15.72        | 22.52         | 5.187                    | 2.41         | 27.44         | 0.720             | -20.35       | 20.30         | 0.000                 | -        | -        | 3.594         | 0.96         | 24.21         |
| Jan-Mar        | 1.264                | -21.54        | 23.92         | 5.845                    | -3.07        | 30.92         | 0.813             | -17.46       | 22.92         | 0.000                 | -        | -        | 3.596         | -0.66        | 24.23         |
| <b>Total</b>   | <b>5.285</b>         | <b>-5.12</b>  | <b>100.00</b> | <b>18.903</b>            | <b>-2.38</b> | <b>100.00</b> | <b>3.547</b>      | <b>1.28</b>  | <b>100.00</b> | <b>0.000</b>          | <b>-</b> | <b>-</b> | <b>14.844</b> | <b>4.67</b>  | <b>100.00</b> |
| <b>2020-21</b> |                      |               |               |                          |              |               |                   |              |               |                       |          |          |               |              |               |
| April-June     | 1.155                | -24.21        | 25.56         | 2.444                    | -42.39       | 13.26         | 0.851             | -23.88       | 23.49         | 0.003                 | -        | -        | 2.583         | -32.58       | 18.59         |
| July-Sept      | 1.138                | -12.93        | 25.19         | 4.763                    | 31.25        | 25.84         | 0.843             | -5.92        | 23.27         | 0.003                 | -        | -        | 3.415         | -10.67       | 24.58         |
| Oct-Dec        | 1.189                | -0.08         | 26.32         | 5.261                    | 1.43         | 28.54         | 1.052             | 46.11        | 29.04         | 0.000                 | -        | -        | 3.866         | 7.57         | 27.82         |
| Jan-Mar        | 1.036                | -18.04        | 22.93         | 5.965                    | 2.05         | 32.36         | 0.877             | 7.87         | 24.21         | 0.000                 | -        | -        | 4.031         | 12.10        | 29.01         |
| <b>Total</b>   | <b>4.518</b>         | <b>-14.51</b> | <b>100.00</b> | <b>18.433</b>            | <b>-2.49</b> | <b>100.00</b> | <b>3.623</b>      | <b>2.14</b>  | <b>100.00</b> | <b>0.006</b>          | <b>-</b> | <b>-</b> | <b>13.895</b> | <b>-6.39</b> | <b>100.00</b> |

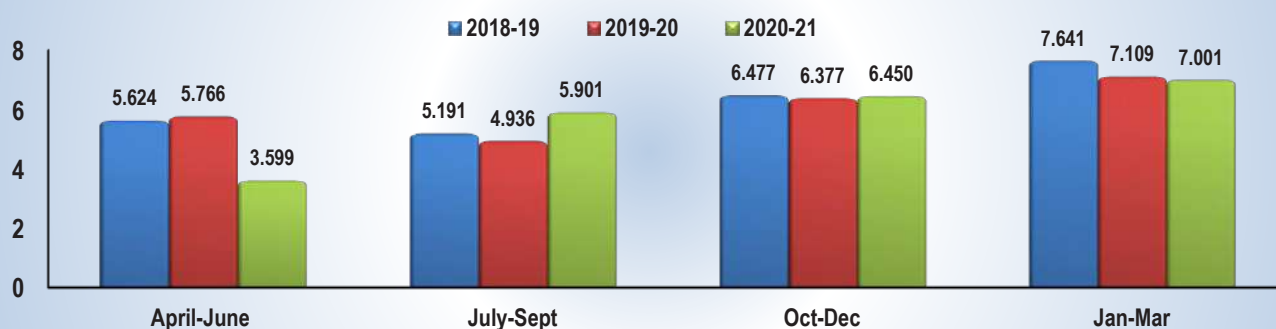
Note: (1) \*Growth (%) is calculated over similar period of last year.

(2) \*\*Share (%) is calculated as ratio of yearly production.

(3) The above figures are related to Washeries (public &amp; private) of only coal producing companies.

(4) Hard Coke data is related to steel plants only.

Quarterly Production of Washed Coal (Coking &amp; Non-Coking) in Last Three Years



Quarterly Production of Middlings (Coking &amp; Non-Coking) in Last Three Years

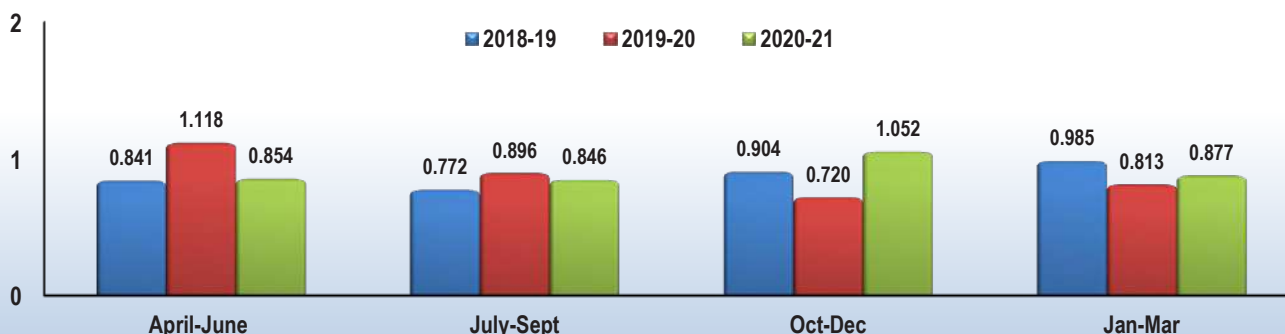


Table 3.6 : Monthly Production of Different Type of Raw Coal and Lignite during 2020-21

(Qty. in MT)

| Month                         | Coking Coal   |               |               | Non-Coking Coal |               |               | Raw Coal       |               |               | Lignite       |               |               |
|-------------------------------|---------------|---------------|---------------|-----------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|
|                               | Prdn          | Growth*       | Share**       | Prdn            | Growth*       | Share**       | Prdn           | Growth*       | Share**       | Prdn          | Growth*       | Share**       |
| (1)                           | (2)           | (3)           | (4)           | (5)             | (6)           | (7)           | (8)            | (9)           | (10)          | (11)          | (12)          | (13)          |
| <b>2020-21</b>                |               |               |               |                 |               |               |                |               |               |               |               |               |
| Apr-20                        | 2.941         | -21.15        | 6.57          | 44.154          | -14.58        | 6.58          | 47.095         | -15.03        | 6.58          | 2.383         | -11.48        | 6.29          |
| May-20                        | 2.871         | -24.21        | 6.41          | 47.023          | -12.79        | 7.00          | 49.894         | -13.54        | 6.97          | 3.477         | -2.14         | 9.18          |
| Jun-20                        | 2.995         | -30.22        | 6.69          | 44.412          | -13.71        | 6.62          | 47.407         | -14.98        | 6.62          | 3.225         | -7.51         | 8.51          |
| <b>1<sup>st</sup> Quarter</b> | <b>8.807</b>  | <b>-25.43</b> | <b>19.66</b>  | <b>135.589</b>  | <b>-13.68</b> | <b>20.20</b>  | <b>144.396</b> | <b>-14.50</b> | <b>20.16</b>  | <b>9.085</b>  | <b>-6.65</b>  | <b>23.97</b>  |
| Jul-20                        | 2.963         | -19.92        | 6.62          | 42.561          | -4.15         | 6.34          | 45.524         | -5.36         | 6.36          | 2.346         | -20.37        | 6.19          |
| Aug-20                        | 3.111         | -15.12        | 6.95          | 41.588          | 6.48          | 6.20          | 44.699         | 4.63          | 6.24          | 2.209         | -24.89        | 5.83          |
| Sep-20                        | 3.554         | 5.93          | 7.94          | 44.240          | 22.37         | 6.59          | 47.794         | 20.97         | 6.67          | 2.397         | -16.04        | 6.33          |
| <b>2<sup>nd</sup> Quarter</b> | <b>9.628</b>  | <b>-10.19</b> | <b>21.50</b>  | <b>128.389</b>  | <b>7.33</b>   | <b>19.13</b>  | <b>138.017</b> | <b>5.89</b>   | <b>19.27</b>  | <b>6.952</b>  | <b>-20.48</b> | <b>18.35</b>  |
| Oct-20                        | 3.720         | 9.48          | 8.31          | 52.064          | 12.12         | 7.76          | 55.784         | 11.94         | 7.79          | 2.482         | -20.78        | 6.55          |
| Nov-20                        | 4.184         | -5.17         | 9.34          | 58.449          | 2.38          | 8.71          | 62.633         | 1.84          | 8.75          | 3.038         | -5.33         | 8.02          |
| Dec-20                        | 4.549         | -5.05         | 10.16         | 66.460          | 1.75          | 9.90          | 71.009         | 1.29          | 9.92          | 3.338         | -16.09        | 8.81          |
| <b>3<sup>rd</sup> Quarter</b> | <b>12.453</b> | <b>-1.17</b>  | <b>27.80</b>  | <b>176.973</b>  | <b>4.81</b>   | <b>26.36</b>  | <b>189.426</b> | <b>4.40</b>   | <b>26.45</b>  | <b>8.858</b>  | <b>-14.17</b> | <b>23.38</b>  |
| Jan-21                        | 4.055         | -22.02        | 9.05          | 69.554          | -0.65         | 10.36         | 73.609         | -2.12         | 10.28         | 3.9           | -12.54        | 10.29         |
| Feb-21                        | 4.031         | -28.35        | 9.00          | 70.610          | -2.66         | 10.52         | 74.641         | -4.51         | 10.42         | 3.895         | -17.07        | 10.28         |
| Mar-21                        | 5.813         | -16.71        | 12.98         | 90.181          | 0.36          | 13.43         | 95.994         | -0.87         | 13.41         | 5.205         | 25.54         | 13.74         |
| <b>4<sup>th</sup> Quarter</b> | <b>13.899</b> | <b>-21.94</b> | <b>31.03</b>  | <b>230.345</b>  | <b>-0.89</b>  | <b>34.31</b>  | <b>244.244</b> | <b>-2.38</b>  | <b>34.11</b>  | <b>13.000</b> | <b>-2.27</b>  | <b>34.31</b>  |
| <b>2020-21</b>                | <b>44.787</b> | <b>-15.39</b> | <b>100.00</b> | <b>671.296</b>  | <b>-0.98</b>  | <b>100.00</b> | <b>716.083</b> | <b>-2.02</b>  | <b>100.00</b> | <b>37.895</b> | <b>-9.98</b>  | <b>100.00</b> |

Note: (1) \*Growth (%) is calculated over similar period of last year.

(2) \*\*Share (%) is calculated as ratio of yearly production.

Month Wise Production of Raw Coal and Lignite in 2020-21

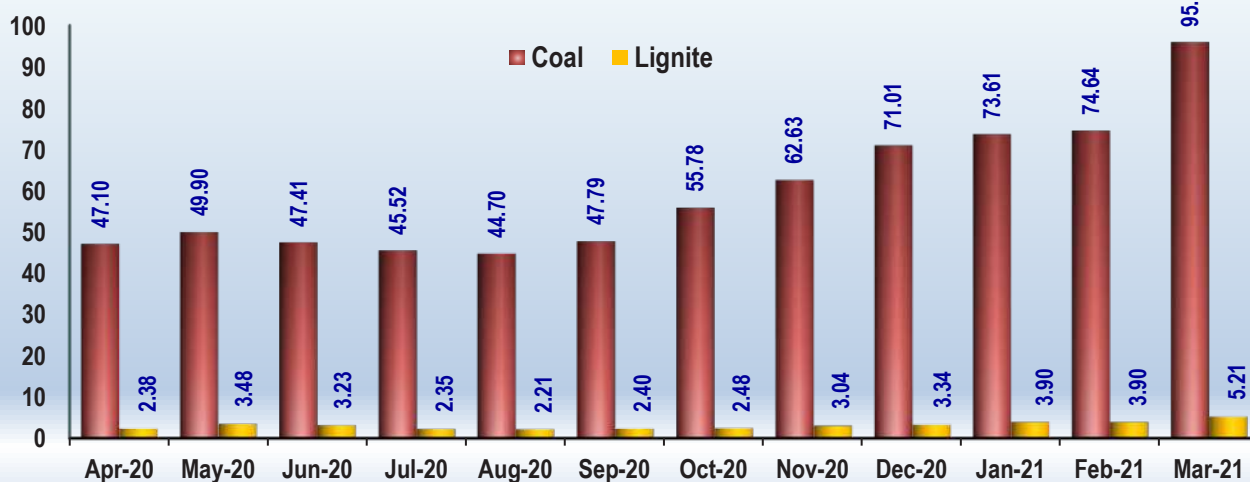
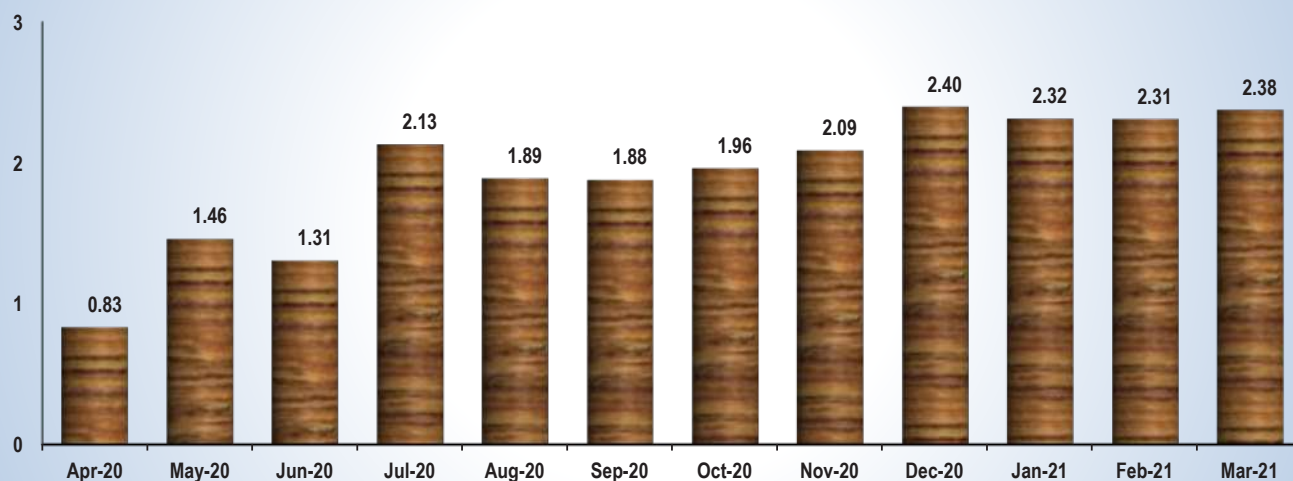


Table 3.7: Monthly Production of Different Type of Coal Products during 2020-21

(Qty. in MT)

| Month                         | Washed Coal(Coking) |               |               | Washed Coal(N-coking) |               |               | Middlings(Coking) |               |               | Middlings(N-coking) |          |          | Hard Coke     |               |               |
|-------------------------------|---------------------|---------------|---------------|-----------------------|---------------|---------------|-------------------|---------------|---------------|---------------------|----------|----------|---------------|---------------|---------------|
|                               | Prdn                | Growth*       | Share**       | Prdn                  | Growth*       | Share**       | Prdn              | Growth*       | Share**       | Prdn                | Growth*  | Share**  | Prdn          | Growth*       | Share**       |
| (1)                           | (2)                 | (3)           | (4)           | (5)                   | (6)           | (7)           | (8)               | (9)           | (10)          | (11)                | (12)     | (13)     | (14)          | (15)          | (16)          |
| <b>2020-21</b>                |                     |               |               |                       |               |               |                   |               |               |                     |          |          |               |               |               |
| Apr-20                        | 0.371               | -26.24        | 8.21          | 0.462                 | -61.53        | 2.51          | 0.263             | -23.99        | 7.26          | 0.000               | -        | -        | 0.840         | -33.70        | 6.05          |
| May-20                        | 0.410               | -19.77        | 9.07          | 1.050                 | -27.29        | 5.70          | 0.284             | -28.82        | 7.84          | 0.002               | -        | -        | 0.854         | -34.61        | 6.15          |
| Jun-20                        | 0.374               | -26.67        | 8.28          | 0.932                 | -41.64        | 5.06          | 0.304             | -18.50        | 8.39          | 0.001               | -        | -        | 0.889         | -29.33        | 6.40          |
| <b>1<sup>st</sup> Quarter</b> | <b>1.155</b>        | <b>-24.21</b> | <b>25.56</b>  | <b>2.444</b>          | <b>-42.39</b> | <b>13.26</b>  | <b>0.851</b>      | <b>-23.88</b> | <b>23.49</b>  | <b>0.003</b>        | <b>-</b> | <b>-</b> | <b>2.583</b>  | <b>-32.58</b> | <b>18.59</b>  |
| Jul-20                        | 0.364               | -18.57        | 8.06          | 1.767                 | 35.40         | 9.59          | 0.282             | -22.31        | 7.78          | 0.002               | -        | -        | 1.050         | -19.60        | 7.56          |
| Aug-20                        | 0.375               | -18.66        | 8.30          | 1.514                 | 27.44         | 8.21          | 0.260             | -16.93        | 7.18          | 0.001               | -        | -        | 1.159         | -10.78        | 8.34          |
| Sep-20                        | 0.399               | 0.00          | 8.83          | 1.482                 | 30.46         | 8.04          | 0.301             | 36.82         | 8.31          | 0.000               | -        | -        | 1.206         | -0.99         | 8.68          |
| <b>2<sup>nd</sup> Quarter</b> | <b>1.138</b>        | <b>-12.93</b> | <b>25.19</b>  | <b>4.763</b>          | <b>31.25</b>  | <b>25.84</b>  | <b>0.843</b>      | <b>-5.92</b>  | <b>23.27</b>  | <b>0.003</b>        | <b>-</b> | <b>-</b> | <b>3.415</b>  | <b>-10.67</b> | <b>24.58</b>  |
| Oct-20                        | 0.379               | -2.07         | 8.39          | 1.583                 | -6.99         | 8.59          | 0.316             | 41.70         | 8.72          | 0.000               | -        | -        | 1.318         | 7.77          | 9.49          |
| Nov-20                        | 0.411               | 2.49          | 9.10          | 1.679                 | 1.88          | 9.11          | 0.358             | 47.93         | 9.88          | 0.000               | -        | -        | 1.286         | 4.13          | 9.26          |
| Dec-20                        | 0.399               | -0.75         | 8.83          | 1.999                 | 8.82          | 10.84         | 0.378             | 48.24         | 10.43         | 0.000               | -        | -        | 1.262         | 11.09         | 9.08          |
| <b>3<sup>rd</sup> Quarter</b> | <b>1.189</b>        | <b>-0.08</b>  | <b>26.32</b>  | <b>5.261</b>          | <b>1.43</b>   | <b>28.54</b>  | <b>1.052</b>      | <b>46.11</b>  | <b>29.04</b>  | <b>0.000</b>        | <b>-</b> | <b>-</b> | <b>3.866</b>  | <b>7.57</b>   | <b>27.82</b>  |
| Jan-21                        | 0.367               | -17.53        | 8.12          | 1.948                 | 3.01          | 10.57         | 0.317             | 7.46          | 8.75          | 0.000               | -        | -        | 1.417         | 15.39         | 10.20         |
| Feb-21                        | 0.326               | -22.93        | 7.22          | 1.985                 | -4.11         | 10.77         | 0.264             | -6.71         | 7.29          | 0.000               | -        | -        | 1.189         | 7.70          | 8.56          |
| Mar-21                        | 0.343               | -13.38        | 7.59          | 2.032                 | 7.86          | 11.02         | 0.296             | 25.96         | 8.17          | 0.000               | -        | -        | 1.425         | 12.74         | 10.26         |
| <b>4<sup>th</sup> Quarter</b> | <b>1.036</b>        | <b>-18.04</b> | <b>22.93</b>  | <b>5.965</b>          | <b>2.05</b>   | <b>32.36</b>  | <b>0.877</b>      | <b>7.87</b>   | <b>24.21</b>  | <b>0.000</b>        | <b>-</b> | <b>-</b> | <b>4.031</b>  | <b>12.10</b>  | <b>29.01</b>  |
| <b>2020-21</b>                | <b>4.518</b>        | <b>-14.51</b> | <b>100.00</b> | <b>18.433</b>         | <b>-2.49</b>  | <b>100.00</b> | <b>3.623</b>      | <b>2.14</b>   | <b>100.00</b> | <b>0.006</b>        | <b>-</b> | <b>-</b> | <b>13.895</b> | <b>-6.39</b>  | <b>100.00</b> |

Month Wise Production of Washed Coal in 2020-21



Month Wise Production of Middlings in 2020-21

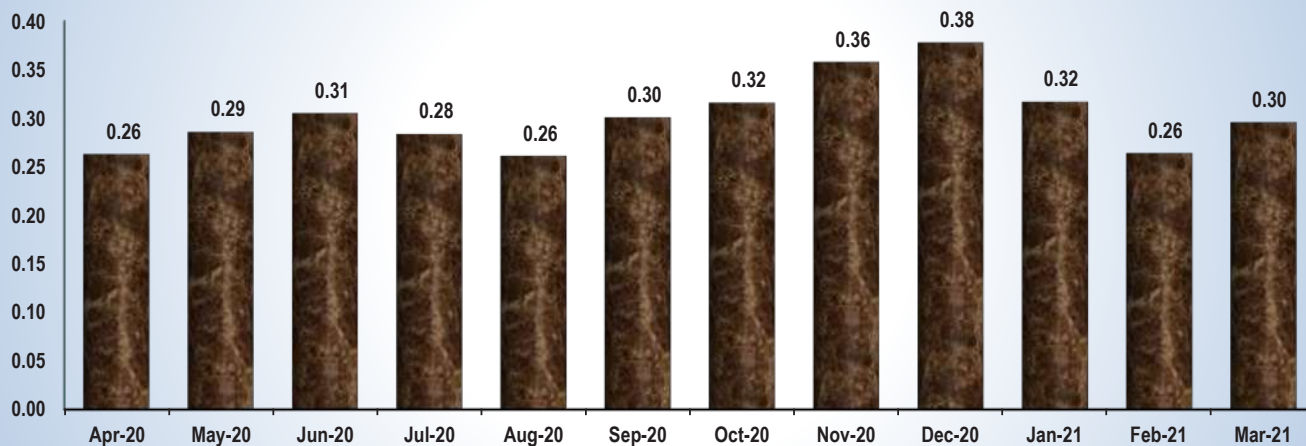


Table 3.8 : Share of Raw Coal Production by State in Last Ten Years

(Qty. in MT)

| Year    | Arunachal Pradesh |           |            | Assam    |           |            | Chhattisgarh |           |            |
|---------|-------------------|-----------|------------|----------|-----------|------------|--------------|-----------|------------|
|         | Quantity          | Share (%) | Growth (%) | Quantity | Share (%) | Growth (%) | Quantity     | Share (%) | Growth (%) |
| (1)     | (2)               | (3)       | (4)        | (5)      | (6)       | (7)        | (8)          | (9)       | (10)       |
| 2011-12 | 0.221             | 0.04      | -26.09     | 0.602    | 0.11      | -45.32     | 113.958      | 21.11     | 0.12       |
| 2012-13 | 0.073             | 0.01      | -66.97     | 0.605    | 0.11      | 0.50       | 117.83       | 21.18     | 3.40       |
| 2013-14 | 0                 | -         | -          | 0.664    | 0.12      | 9.75       | 127.095      | 22.46     | 7.86       |
| 2014-15 | 0                 | -         | -          | 0.779    | 0.13      | 17.32      | 134.764      | 22.12     | 6.03       |
| 2015-16 | 0                 | -         | -          | 0.487    | 0.08      | -37.48     | 130.605      | 20.43     | -3.09      |
| 2016-17 | 0                 | -         | -          | 0.600    | 0.09      | 23.20      | 138.525      | 21.06     | 6.06       |
| 2017-18 | 0                 | -         | -          | 0.781    | 0.12      | 30.17      | 142.546      | 21.11     | 2.90       |
| 2018-19 | 0                 | -         | -          | 0.784    | 0.11      | 0.38       | 161.893      | 22.22     | 13.57      |
| 2019-20 | 0                 | -         | -          | 0.517    | 0.07      | -34.06     | 157.745      | 21.58     | -2.56      |
| 2020-21 | 0                 | -         | -          | 0.036    | 0.01      | -93.04     | 158.410      | 22.12     | 0.42       |

| Year    | Jammu & Kashmir |           |            | Jharkhand |           |            | Madhya Pradesh |           |            |
|---------|-----------------|-----------|------------|-----------|-----------|------------|----------------|-----------|------------|
|         | Quantity        | Share (%) | Growth (%) | Quantity  | Share (%) | Growth (%) | Quantity       | Share (%) | Growth (%) |
| (11)    | (12)            | (13)      | (14)       | (15)      | (16)      | (17)       | (18)           | (19)      | (20)       |
| 2011-12 | 0.02            | 0.00      | -13.04     | 109.566   | 20.29     | 0.57       | 71.123         | 13.17     | 0.03       |
| 2012-13 | 0.019           | 0.00      | -5.00      | 111.274   | 20.00     | 1.56       | 75.948         | 13.65     | 6.78       |
| 2013-14 | 0               | 0.00      | 0.00       | 113.091   | 19.99     | 1.63       | 75.590         | 13.36     | -0.47      |
| 2014-15 | 0               | 0.00      | -31.58     | 124.143   | 20.38     | 9.77       | 87.609         | 14.38     | 15.90      |
| 2015-16 | 0               | 0.00      | 0.00       | 121.067   | 18.94     | -2.48      | 107.714        | 16.85     | 22.95      |
| 2016-17 | 0               | 0.00      | -23.08     | 126.435   | 19.22     | 4.43       | 105.013        | 15.96     | -2.51      |
| 2017-18 | 0               | 0.00      | 40.00      | 123.297   | 18.26     | -2.48      | 112.127        | 16.60     | 6.77       |
| 2018-19 | 0               | 0.00      | -7.14      | 134.666   | 18.48     | 9.22       | 118.661        | 16.28     | 5.83       |
| 2019-20 | 0               | 0.00      | 7.69       | 131.763   | 18.03     | -2.16      | 125.726        | 17.20     | 5.95       |
| 2020-21 | 0               | 0.00      | -28.57     | 123.428   | 17.24     | -6.33      | 132.531        | 18.51     | 5.41       |

| Year    | Maharashtra |           |            | Meghalaya |           |            | Odisha   |           |            |
|---------|-------------|-----------|------------|-----------|-----------|------------|----------|-----------|------------|
|         | Quantity    | Share (%) | Growth (%) | Quantity  | Share (%) | Growth (%) | Quantity | Share (%) | Growth (%) |
| (21)    | (22)        | (23)      | (24)       | (25)      | (26)      | (27)       | (28)     | (29)      | (30)       |
| 2011-12 | 39.159      | 7.25      | -0.45      | 7.206     | 1.33      | 3.22       | 105.476  | 19.53     | 2.84       |
| 2012-13 | 39.134      | 7.03      | -0.06      | 5.64      | 1.01      | -27.77     | 110.132  | 19.79     | 4.41       |
| 2013-14 | 37.223      | 6.58      | -4.88      | 5.732     | 1.01      | 1.61       | 112.917  | 19.96     | 2.53       |
| 2014-15 | 38.257      | 6.28      | 2.78       | 2.524     | 0.41      | -127.10    | 123.627  | 20.29     | 9.48       |
| 2015-16 | 38.351      | 6.00      | 0.25       | 3.712     | 0.58      | 32.00      | 138.461  | 21.66     | 12.00      |
| 2016-17 | 40.559      | 6.17      | 5.76       | 2.308     | 0.35      | -60.83     | 139.359  | 21.18     | 0.65       |
| 2017-18 | 42.219      | 6.25      | 4.09       | 1.529     | 0.23      | -50.95     | 143.328  | 21.22     | 2.85       |
| 2018-19 | 49.818      | 6.84      | 18.00      | 0.000     | 0.00      | 0.00       | 144.312  | 19.80     | 0.69       |
| 2019-20 | 54.746      | 7.49      | 9.89       | 0.000     | 0.00      | 0.00       | 143.016  | 19.57     | -0.90      |
| 2020-21 | 47.435      | 6.62      | -13.35     | 0.000     | 0.00      | 0.00       | 154.151  | 21.53     | 7.79       |

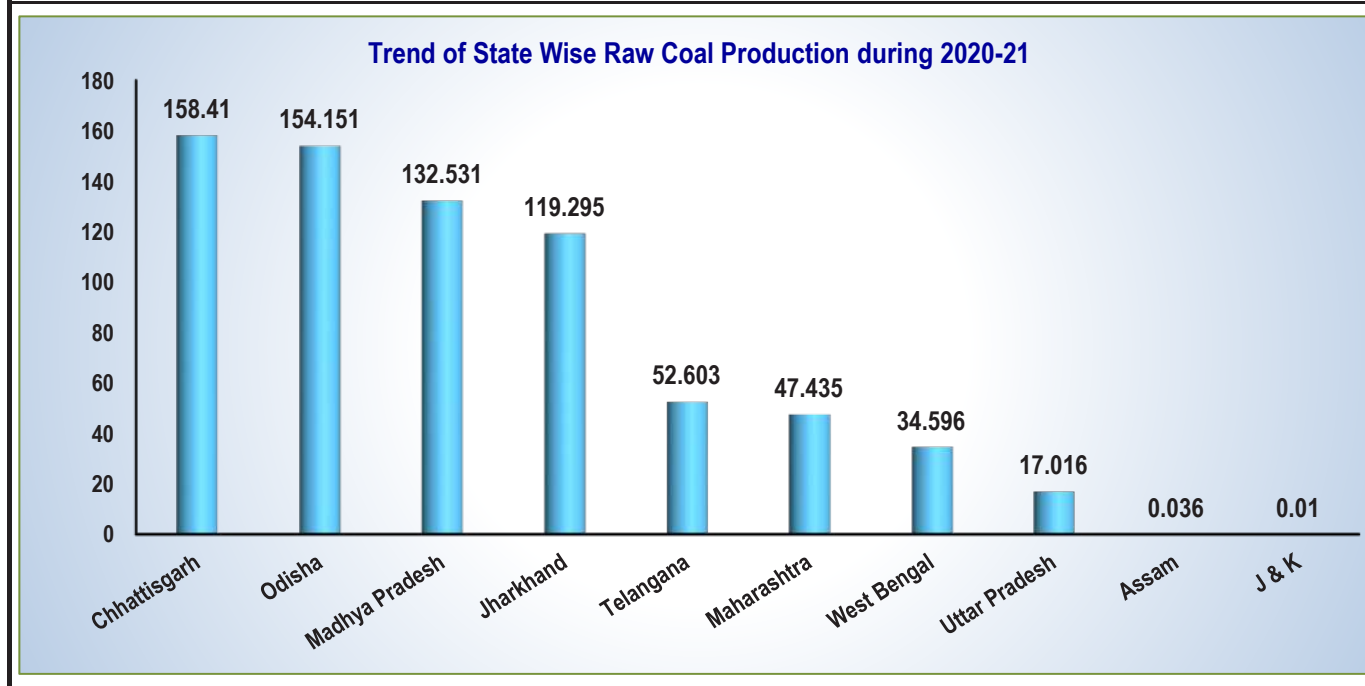
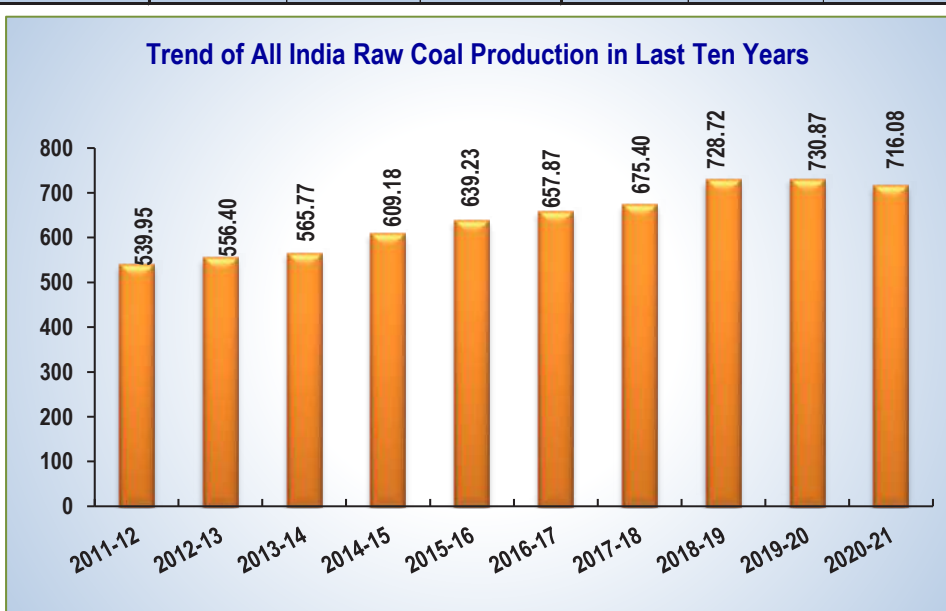
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Table 3.8 : Share of Raw Coal Production by State in Last Ten Years

(Qty. in MT)

| Year    | Telangana |           |            | Uttar Pradesh |           |            | West Bengal |           |            |
|---------|-----------|-----------|------------|---------------|-----------|------------|-------------|-----------|------------|
|         | Quantity  | Share (%) | Growth (%) | Quantity      | Share (%) | Growth (%) | Quantity    | Share (%) | Growth (%) |
| (31)    | (32)      | (33)      | (34)       | (35)          | (36)      | (37)       | (38)        | (39)      | (40)       |
| 2011-12 | 52.211    | 9.67      | 1.71       | 16.178        | 3.00      | 4.20       | 24.23       | 4.49      | 11.87      |
| 2012-13 | 53.190    | 9.56      | 1.88       | 16.09         | 2.89      | -0.54      | 26.467      | 4.76      | 9.23       |
| 2013-14 | 50.469    | 8.92      | -5.12      | 14.721        | 2.60      | -8.51      | 28.244      | 4.99      | 6.71       |
| 2014-15 | 52.536    | 8.62      | 4.10       | 14.957        | 2.46      | 1.60       | 29.97       | 4.92      | 6.11       |
| 2015-16 | 60.380    | 9.45      | 14.93      | 12.689        | 1.99      | -15.16     | 25.751      | 4.03      | -14.08     |
| 2016-17 | 61.336    | 9.32      | 1.58       | 16.056        | 2.44      | 26.53      | 27.667      | 4.21      | 7.44       |
| 2017-18 | 62.010    | 9.18      | 1.10       | 18.309        | 2.71      | 14.03      | 29.240      | 4.33      | 5.69       |
| 2018-19 | 65.160    | 8.94      | 5.08       | 20.275        | 2.78      | 10.74      | 33.136      | 4.55      | 13.32      |
| 2019-20 | 65.703    | 8.99      | 0.83       | 18.030        | 2.47      | -11.07     | 33.614      | 4.60      | 1.44       |
| 2020-21 | 52.603    | 7.35      | -19.94     | 17.016        | 2.38      | -5.62      | 30.463      | 4.25      | -9.37      |

| Year    | All India |            |
|---------|-----------|------------|
|         | Quantity  | Growth (%) |
| (41)    | (42)      | (43)       |
| 2011-12 | 539.950   | 1.36       |
| 2012-13 | 556.402   | 3.05       |
| 2013-14 | 565.765   | 1.68       |
| 2014-15 | 609.179   | 7.67       |
| 2015-16 | 639.230   | 4.93       |
| 2016-17 | 657.868   | 2.92       |
| 2017-18 | 675.400   | 2.66       |
| 2018-19 | 728.718   | 7.89       |
| 2019-20 | 730.874   | 0.30       |
| 2020-21 | 716.083   | -2.02      |



**Table 3.9 : Share of Lignite Production by State in Last Ten Years****(Qty. in MT)**

| Year    | Tamilnadu |           |            | Gujarat  |           |            | Rajasthan |           |            |
|---------|-----------|-----------|------------|----------|-----------|------------|-----------|-----------|------------|
|         | Quantity  | Share (%) | Growth (%) | Quantity | Share (%) | Growth (%) | Quantity  | Share (%) | Growth (%) |
| (1)     | (2)       | (3)       | (4)        | (5)      | (6)       | (7)        | (8)       | (9)       | (10)       |
| 2011-12 | 24.590    | 58.09     | 6.25       | 14.779   | 34.91     | 13.13      | 2.963     | 7.00      | 94.30      |
| 2012-13 | 24.844    | 53.48     | 1.03       | 14.528   | 31.27     | -1.70      | 7.081     | 15.24     | 138.98     |
| 2013-14 | 25.056    | 56.60     | 0.85       | 11.588   | 26.18     | -20.24     | 7.627     | 17.23     | 7.71       |
| 2014-15 | 25.190    | 52.19     | 0.53       | 12.317   | 25.52     | 6.29       | 10.763    | 22.30     | 41.12      |
| 2015-16 | 24.227    | 55.26     | -3.82      | 10.123   | 23.09     | -17.81     | 9.492     | 21.65     | -11.81     |
| 2016-17 | 26.204    | 57.93     | 8.16       | 10.546   | 23.32     | 4.18       | 8.480     | 18.75     | -10.66     |
| 2017-18 | 23.569    | 50.53     | -10.06     | 13.781   | 29.55     | 30.68      | 9.294     | 19.93     | 9.60       |
| 2018-19 | 23.041    | 52.03     | -2.24      | 12.566   | 28.38     | -8.82      | 8.676     | 19.59     | -6.65      |
| 2019-20 | 23.516    | 55.86     | 2.06       | 10.357   | 24.60     | -17.58     | 8.223     | 19.53     | -5.22      |
| 2020-21 | 18.026    | 47.57     | -23.35     | 10.813   | 28.53     | 4.40       | 9.056     | 23.90     | 10.13      |

| Year    | All India |            |
|---------|-----------|------------|
|         | Quantity  | Growth (%) |
| (11)    | (12)      | (13)       |
| 2011-12 | 42.332    | 12.19      |
| 2012-13 | 46.453    | 9.73       |
| 2013-14 | 44.271    | -4.70      |
| 2014-15 | 48.270    | 9.03       |
| 2015-16 | 43.842    | -9.17      |
| 2016-17 | 45.230    | 3.17       |
| 2017-18 | 46.644    | 3.13       |
| 2018-19 | 44.283    | -5.06      |
| 2019-20 | 42.096    | -4.94      |
| 2020-21 | 37.895    | -9.98      |

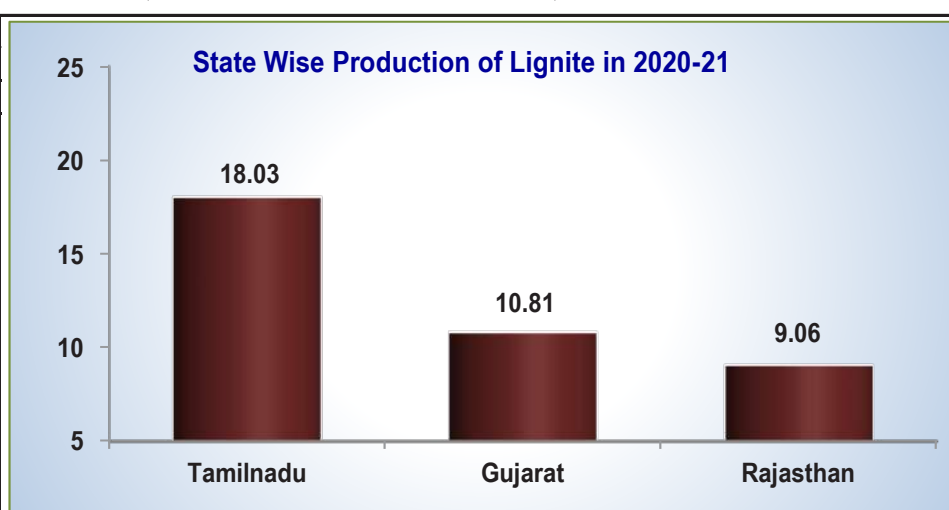
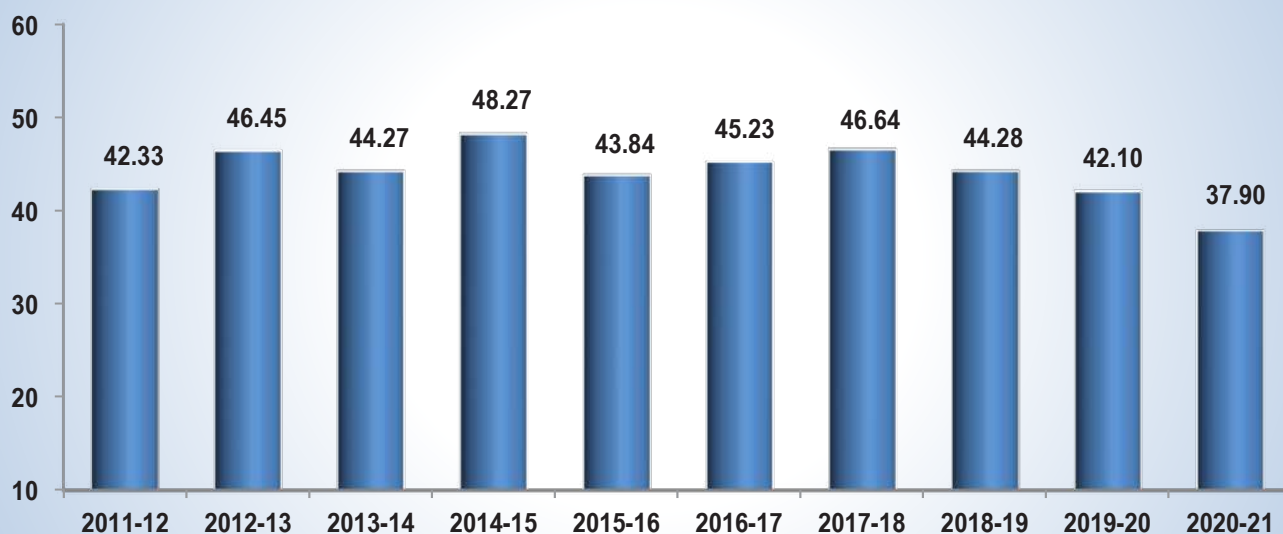
**All India Production of Lignite during Last Ten Years**

Table 3.10 : Trends of Company Wise Production of Coal &amp; Lignite in Last Three Years

(Qty. in MT)

| Company                   | 2018-19       |                |                | 2019-20       |                |                | 2020-21       |                |                |
|---------------------------|---------------|----------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|
|                           | Coking        | Non-Coking     | Total          | Coking        | Non-Coking     | Total          | Coking        | Non-Coking     | Total          |
| (1)                       | (2)           | (3)            | (4)            | (5)           | (6)            | (7)            | (8)           | (9)            | (10)           |
| <b>Coal</b>               |               |                |                |               |                |                |               |                |                |
| ECL                       | 0.029         | 50.131         | 50.160         | 0.026         | 50.375         | 50.401         | 0.015         | 44.989         | 45.004         |
| BCCL                      | 24.339        | 6.700          | 31.039         | 25.945        | 1.784          | 27.729         | 23.384        | 1.272          | 24.656         |
| CCL                       | 9.340         | 59.381         | 68.721         | 20.027        | 46.862         | 66.889         | 15.043        | 47.546         | 62.589         |
| NCL                       |               | 101.503        | 101.503        |               | 108.053        | 108.053        | 0.000         | 115.042        | 115.042        |
| WCL                       | 0.188         | 52.992         | 53.180         | 0.178         | 57.458         | 57.636         | 0.181         | 50.094         | 50.275         |
| SECL                      | 0.247         | 152.150        | 152.397        | 0.250         | 146.875        | 147.125        | 0.219         | 147.185        | 147.404        |
| SECL(GP-IV/2&3)           |               | 3.271          | 3.271          |               | 2.659          | 2.659          |               | 3.202          | 3.202          |
| SECL(GP-IV/1)             |               | 1.681          | 1.681          |               | 0.762          | 0.762          |               | 0.000          | 0.000          |
| MCL                       |               | 144.151        | 144.151        |               | 140.358        | 140.358        |               | 148.013        | 148.013        |
| NEC                       |               | 0.784          | 0.784          |               | 0.517          | 0.517          |               | 0.036          | 0.036          |
| <b>CIL</b>                | <b>34.143</b> | <b>572.744</b> | <b>606.887</b> | <b>46.426</b> | <b>555.703</b> | <b>602.129</b> | <b>38.842</b> | <b>557.379</b> | <b>596.221</b> |
| SCCL                      |               | 64.401         | 64.401         |               | 64.044         | 64.044         |               | 50.580         | 50.580         |
| JKML                      |               | 0.013          | 0.013          |               | 0.014          | 0.014          |               | 0.010          | 0.010          |
| DVC                       |               |                | 0.000          | 0.000         | 0.000          | 0.000          | 0.000         | 0.000          | 0.000          |
| IISCO                     | 0.443         | 0.300          | 0.743          | 0.300         | 0.234          | 0.534          | 0.092         | 0.099          | 0.191          |
| SAIL                      |               | 0.000          | 0.000          |               | 0.000          | 0.000          |               | 0.000          | 0.000          |
| JSMDCL                    |               | 0.228          | 0.228          |               | 0.068          | 0.068          |               | 0.079          | 0.079          |
| RRVUNL                    |               | 15.000         | 15.000         |               | 15.000         | 15.000         |               | 15.000         | 15.000         |
| NTPC                      |               | 7.311          | 7.311          |               | 11.151         | 11.151         |               | 11.005         | 11.005         |
| WBPDCCL                   |               | 0.400          | 0.400          |               | 2.112          | 2.112          |               | 6.258          | 6.258          |
| CSPGCL                    |               |                | 0.000          |               | 0.510          | 0.510          |               | 1.502          | 1.502          |
| TSPGCL                    |               | 0.759          | 0.759          |               | 1.659          | 1.659          |               | 2.023          | 2.023          |
| OCPL                      |               |                | 0.000          |               | 1.003          | 1.003          |               | 2.001          | 2.001          |
| DPL                       |               |                |                |               |                |                |               | 0.067          | 0.067          |
| NLCIL                     |               |                |                |               |                |                |               | 1.013          | 1.013          |
| <b>Total Public</b>       | <b>34.586</b> | <b>661.156</b> | <b>695.742</b> | <b>46.726</b> | <b>651.498</b> | <b>698.224</b> | <b>38.934</b> | <b>647.016</b> | <b>685.950</b> |
| TSL                       | 6.546         | 0.000          | 6.546          | 6.210         | 0.000          | 6.210          | 5.853         | 0.000          | 5.853          |
| BALCO                     |               | 0.667          | 0.667          |               | 1.000          | 1.000          |               | 0.002          | 0.002          |
| CESC                      |               | 1.856          | 1.856          |               | 1.958          | 1.958          |               | 2.079          | 2.079          |
| GMR                       |               | 0.000          | 0.000          |               | 0.000          | 0.000          |               | 0.000          | 0.000          |
| HIL                       |               | 2.173          | 2.173          |               | 0.729          | 0.729          |               | 0.308          | 0.308          |
| JPVL                      |               | 2.800          | 2.800          |               | 2.800          | 2.800          |               | 2.800          | 2.800          |
| SIL                       |               | 0.270          | 0.270          |               | 0.270          | 0.270          |               | 0.068          | 0.068          |
| SPL                       |               | 18.000         | 18.000         |               | 18.700         | 18.700         |               | 18.570         | 18.570         |
| RCCPL                     |               | 0.103          | 0.103          |               | 0.182          | 0.182          |               | 0.172          | 0.172          |
| TUML                      |               | 0.300          | 0.300          |               | 0.286          | 0.286          |               | 0.112          | 0.112          |
| OCL                       |               | 0.161          | 0.161          |               | 0.115          | 0.115          |               | 0.000          | 0.000          |
| AMBUJA                    |               | 0.100          | 0.100          |               | 0.400          | 0.400          |               | 0.169          | 0.169          |
| <b>Total Private</b>      | <b>6.546</b>  | <b>26.430</b>  | <b>32.976</b>  | <b>6.210</b>  | <b>26.440</b>  | <b>32.650</b>  | <b>5.853</b>  | <b>24.280</b>  | <b>30.133</b>  |
| <b>All India</b>          | <b>41.132</b> | <b>687.586</b> | <b>728.718</b> | <b>52.936</b> | <b>677.938</b> | <b>730.874</b> | <b>44.787</b> | <b>671.296</b> | <b>716.083</b> |
| <b>Lignite</b>            |               |                |                |               |                |                |               |                |                |
| NLC                       |               |                | 24.250         |               |                | 24.864         |               |                | 19.263         |
| GMDCL                     |               |                | 9.160          |               |                | 6.957          |               |                | 6.004          |
| GIPCL                     |               |                | 3.313          |               |                | 3.342          |               |                | 3.507          |
| RSMML                     |               |                | 1.317          |               |                | 0.790          |               |                | 0.830          |
| GHCL                      |               |                | 0.093          |               |                | 0.058          |               |                | 0.021          |
| VSLPPL                    |               |                | 0.305          |               |                | 0.672          |               |                | 0.971          |
| BLMCL                     |               |                | 5.845          |               |                | 5.413          |               |                | 6.018          |
| GPCL                      |               |                |                |               |                |                |               |                | 1.281          |
| <b>All India</b>          |               |                | <b>44.283</b>  |               |                | <b>42.096</b>  |               |                | <b>37.895</b>  |
| <b>Coal &amp; Lignite</b> |               |                | <b>773.001</b> |               |                | <b>772.970</b> |               |                | <b>753.978</b> |

**Table 3.11: State Wise Production of Raw Coal by Type in Last Five Years****(Qty. in MT)**

| State                   | 2016-17        | 2017-18        | 2018-19        | 2019-20        | 2020-21        |
|-------------------------|----------------|----------------|----------------|----------------|----------------|
| (1)                     | (2)            | (3)            | (4)            | (5)            | (6)            |
| <b>Coking</b>           |                |                |                |                |                |
| Chhattisgarh            | 0.110          | 0.182          | 0.247          | 0.250          | 0.219          |
| Jharkhand               | 59.604         | 38.768         | 39.641         | 52.364         | 44.387         |
| Madhya Pradesh          | 0.131          | 0.180          | 0.188          | 0.178          | 0.181          |
| West Bengal             | 1.816          | 1.018          | 1.056          | 0.144          | 0.000          |
| <b>Total Coking</b>     | <b>61.661</b>  | <b>40.148</b>  | <b>41.132</b>  | <b>52.936</b>  | <b>44.787</b>  |
| <b>Non-Coking</b>       |                |                |                |                |                |
| Assam                   | 0.600          | 0.781          | 0.784          | 0.517          | 0.036          |
| Chhattisgarh            | 138.415        | 142.364        | 161.646        | 157.495        | 158.191        |
| Jammu & Kashmir         | 0.010          | 0.014          | 0.013          | 0.014          | 0.010          |
| Jharkhand               | 66.831         | 84.529         | 95.025         | 79.399         | 79.041         |
| Madhya Pradesh          | 104.882        | 111.947        | 118.473        | 125.548        | 132.350        |
| Maharashtra             | 40.559         | 42.219         | 49.818         | 54.746         | 47.435         |
| Meghalaya               | 2.308          | 1.529          | 0.000          | 0.000          | 0.000          |
| Odisha                  | 139.359        | 143.328        | 144.312        | 143.016        | 154.151        |
| Telangana               | 61.336         | 62.010         | 65.160         | 65.703         | 52.603         |
| Uttar Pradesh           | 16.056         | 18.309         | 20.275         | 18.030         | 17.016         |
| West Bengal             | 25.851         | 28.222         | 32.080         | 33.470         | 30.463         |
| <b>Total Non-Coking</b> | <b>596.207</b> | <b>635.252</b> | <b>687.586</b> | <b>677.938</b> | <b>671.296</b> |
| <b>Total Coal</b>       | <b>657.868</b> | <b>675.400</b> | <b>728.718</b> | <b>730.874</b> | <b>716.083</b> |

**Table 3.12: Statewise Production of Lignite in Last Five Years****(Qty. in MT)**

| State        | 2016-17       | 2017-18       | 2018-19       | 2019-20       | 2020-21       |
|--------------|---------------|---------------|---------------|---------------|---------------|
| (1)          | (3)           | (4)           | (5)           | (6)           | (6)           |
| Gujarat      | 10.546        | 13.781        | 12.566        | 10.357        | 10.813        |
| Rajasthan    | 8.480         | 9.294         | 8.676         | 8.223         | 9.056         |
| Tamilnadu    | 26.204        | 23.569        | 23.041        | 23.516        | 18.026        |
| <b>Total</b> | <b>45.230</b> | <b>46.644</b> | <b>44.283</b> | <b>42.096</b> | <b>37.895</b> |

Table 3.13: State Wise and Company Wise Production of Raw Coal by Types in Last Three Years

(Qty. in MT)

| States                     | Coal Company    | 2018-2019     |                |                | 2019-2020     |                |                | 2020-2021     |                |                |
|----------------------------|-----------------|---------------|----------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|
|                            |                 | Coking        | Non-Coking     | Total          | Coking        | Non-Coking     | Total          | Coking        | Non-Coking     | Total          |
| (1)                        | (2)             | (3)           | (4)            | (5)            | (6)           | (7)            | (8)            | (9)           | (10)           | (11)           |
| <b>Assam</b>               | <b>NEC</b>      |               | 0.784          | <b>0.784</b>   |               | 0.517          | <b>0.517</b>   |               | 0.036          | <b>0.036</b>   |
| Chhattisgarh               | SECL            | 0.247         | 139.552        | <b>139.799</b> | 0.250         | 136.300        | <b>136.550</b> | 0.219         | 137.242        | <b>137.461</b> |
| Chhattisgarh               | SECL(GP-IV/2&3) |               | 3.271          | <b>3.271</b>   |               | 2.659          | <b>2.659</b>   |               | 3.202          | <b>3.202</b>   |
| Chhattisgarh               | SECL(GP-IV/1)   |               | 1.681          | <b>1.681</b>   |               | 0.762          | <b>0.762</b>   |               | 0.000          | <b>0.000</b>   |
| Chhattisgarh               | RRVUNL          |               | 15.000         | <b>15.000</b>  |               | 15.000         | <b>15.000</b>  |               | 15.000         | <b>15.000</b>  |
| Chhattisgarh               | HIL (GP-IV/4)   |               | 0.838          | <b>0.838</b>   |               | 0.548          | <b>0.548</b>   |               | 0.262          | <b>0.262</b>   |
| Chhattisgarh               | HIL (GP-IV/5)   |               | 0.537          | <b>0.537</b>   |               | 0.126          | <b>0.126</b>   |               | 0.000          | <b>0.000</b>   |
| Chhattisgarh               | CSPGCL          |               | 0.537          | <b>0.537</b>   |               | 0.510          | <b>0.510</b>   |               | 1.502          | <b>1.502</b>   |
| Chhattisgarh               | NTPC            |               | 0.537          | <b>0.537</b>   |               | 0.190          | <b>0.190</b>   |               | 0.812          | <b>0.812</b>   |
| Chhattisgarh               | AMBUJA          |               | 0.100          | <b>0.100</b>   |               | 0.400          | <b>0.400</b>   |               | 0.169          | <b>0.169</b>   |
| Chhattisgarh               | BALCO           |               | 0.667          | <b>0.667</b>   |               | 1.000          | <b>1.000</b>   |               | 0.002          | <b>0.002</b>   |
| <b>Chhattisgarh</b>        | <b>Total</b>    | <b>0.247</b>  | <b>162.720</b> | <b>162.967</b> | <b>0.250</b>  | <b>157.495</b> | <b>157.745</b> | <b>0.219</b>  | <b>158.191</b> | <b>158.410</b> |
| <b>Jammu &amp; Kashmir</b> | <b>JKML</b>     |               | <b>0.013</b>   | <b>0.013</b>   |               | <b>0.014</b>   | <b>0.014</b>   |               | <b>0.010</b>   | <b>0.010</b>   |
| Jharkhand                  | ECL             | 0.029         | 20.736         | <b>20.765</b>  | 0.026         | 21.209         | <b>21.235</b>  | 0.015         | 18.900         | <b>18.915</b>  |
| Jharkhand                  | BCCL            | 23.283        | 6.568          | <b>29.851</b>  | 25.801        | 1.784          | <b>27.585</b>  | 23.384        | 1.268          | <b>24.652</b>  |
| Jharkhand                  | CCL             | 9.340         | 59.381         | <b>68.721</b>  | 20.027        | 46.862         | <b>66.889</b>  | 15.043        | 47.546         | <b>62.589</b>  |
| Jharkhand                  | JSMDCL          |               | 0.228          | <b>0.228</b>   |               | 0.068          | <b>0.068</b>   |               | 0.079          | <b>0.079</b>   |
| Jharkhand                  | DVC             | 0.000         |                | <b>0.000</b>   | 0.000         |                | <b>0.000</b>   | 0.000         | 0.000          | <b>0.000</b>   |
| Jharkhand                  | IISCOCJ         | 0.443         | 0.003          | <b>0.446</b>   | 0.300         | 0.000          | <b>0.300</b>   | 0.092         |                | <b>0.092</b>   |
| Jharkhand                  | SAIL            | 0.000         |                | <b>0.000</b>   | 0.000         |                | <b>0.000</b>   | 0.000         | 0.000          | <b>0.000</b>   |
| Jharkhand                  | NTPC            |               | 7.311          | <b>7.311</b>   |               | 9.421          | <b>9.421</b>   |               | 7.069          | <b>7.069</b>   |
| Jharkhand                  | WBPDCCL         |               |                |                |               |                |                |               | 4.133          | <b>4.133</b>   |
| Jharkhand                  | TSL             | 6.546         |                | <b>6.546</b>   | 6.210         |                | <b>6.210</b>   | 5.853         |                | <b>5.853</b>   |
| Jharkhand                  | HIL_KOC         |               | 0.798          | <b>0.798</b>   |               | 0.055          | <b>0.055</b>   |               | 0.046          | <b>0.046</b>   |
| <b>Jharkhand</b>           | <b>Total</b>    | <b>39.641</b> | <b>95.025</b>  | <b>134.666</b> | <b>52.364</b> | <b>79.399</b>  | <b>131.763</b> | <b>44.387</b> | <b>79.041</b>  | <b>123.428</b> |
| Madhya Pradesh             | NCL             |               | 81.228         | <b>81.228</b>  |               | 90.023         | <b>90.023</b>  |               | 98.026         | <b>98.026</b>  |
| Madhya Pradesh             | WCL             | 0.188         | 3.744          | <b>3.932</b>   | 0.178         | 3.268          | <b>3.446</b>   | 0.181         | 2.839          | <b>3.020</b>   |
| Madhya Pradesh             | SECL            |               | 12.598         | <b>12.598</b>  |               | 10.575         | <b>10.575</b>  |               | 9.943          | <b>9.943</b>   |
| Madhya Pradesh             | SPL             |               | 18.000         | <b>18.000</b>  |               | 18.700         | <b>18.700</b>  |               | 18.570         | <b>18.570</b>  |
| Madhya Pradesh             | JPVL            |               | 2.800          | <b>2.800</b>   |               | 2.800          | <b>2.800</b>   |               | 2.800          | <b>2.800</b>   |
| Madhya Pradesh             | RCCPL           |               | 0.103          | <b>0.103</b>   |               | 0.182          | <b>0.182</b>   |               | 0.172          | <b>0.172</b>   |
| Madhya Pradesh             | Total           | 0.188         | 118.473        | <b>118.661</b> | 0.178         | 125.548        | <b>125.726</b> | 0.181         | 132.350        | <b>132.531</b> |
| Maharashtra                | WCL             |               | 49.248         | <b>49.248</b>  |               | 54.190         | <b>54.190</b>  |               | 47.255         | <b>47.255</b>  |
| Maharashtra                | SIL             |               | 0.270          | <b>0.270</b>   |               | 0.270          | <b>0.270</b>   |               | 0.068          | <b>0.068</b>   |
| Maharashtra                | TUML            |               | 0.300          | <b>0.300</b>   |               | 0.286          | <b>0.286</b>   |               | 0.112          | <b>0.112</b>   |
| <b>Maharashtra</b>         | <b>Total</b>    |               | <b>49.818</b>  | <b>49.818</b>  |               | <b>54.746</b>  | <b>54.746</b>  |               | <b>47.435</b>  | <b>47.435</b>  |
| <b>Meghalaya</b>           | <b>MEG</b>      |               | <b>0.000</b>   | <b>0.000</b>   |               | <b>0.000</b>   | <b>0.000</b>   |               | <b>0.000</b>   | <b>0.000</b>   |
| Odisha                     | MCL             |               | 144.151        | <b>144.151</b> |               | 140.358        | <b>140.358</b> |               | 148.013        | <b>148.013</b> |
| Odisha                     | OCPL            |               |                | <b>0.000</b>   |               | 1.003          | <b>1.003</b>   |               | 2.001          | <b>2.001</b>   |
| Odisha                     | GMR             |               | 0.000          | <b>0.000</b>   |               | 0.000          | <b>0.000</b>   |               | 0.000          | <b>0.000</b>   |
| Odisha                     | NTPC            |               | 0.000          | <b>0.000</b>   |               | 1.540          | <b>1.540</b>   |               | 3.124          | <b>3.124</b>   |
| Odisha                     | NLCIL           |               |                | <b>0.000</b>   |               |                | <b>0.000</b>   |               | 1.013          | <b>1.013</b>   |
| Odisha                     | OCL             |               | 0.161          | <b>0.161</b>   |               | 0.115          | <b>0.115</b>   |               | 0.000          | <b>0.000</b>   |
| <b>Odisha</b>              | <b>Total</b>    |               | <b>144.312</b> | <b>144.312</b> |               | <b>143.016</b> | <b>143.016</b> |               | <b>154.151</b> | <b>154.151</b> |
| Telangana                  | SCCL            |               | 64.401         | <b>64.401</b>  |               | 64.044         | <b>64.044</b>  |               | 50.580         | <b>50.580</b>  |
| Telangana                  | TSPGCL          |               | 0.759          | <b>0.759</b>   |               | 1.659          | <b>1.659</b>   |               | 2.023          | <b>2.023</b>   |
| <b>Telangana</b>           | <b>Total</b>    |               | <b>65.160</b>  | <b>65.160</b>  |               | <b>65.703</b>  | <b>65.703</b>  |               | <b>52.603</b>  | <b>52.603</b>  |
| <b>Uttar Pradesh</b>       | <b>NCL</b>      |               | <b>20.275</b>  | <b>20.275</b>  |               | <b>18.030</b>  | <b>18.030</b>  |               | <b>17.016</b>  | <b>17.016</b>  |
| West Bengal                | ECL             |               | 29.395         | <b>29.395</b>  |               | 29.166         | <b>29.166</b>  |               | 26.089         | <b>26.089</b>  |
| West Bengal                | BCCL            | 1.056         | 0.132          | <b>1.188</b>   | 0.144         | 0.000          | <b>0.144</b>   | 0.000         | 0.004          | <b>0.004</b>   |
| West Bengal                | WBPDCCL         |               | 0.400          | <b>0.400</b>   |               | 2.112          | <b>2.112</b>   |               | 2.125          | <b>2.125</b>   |
| West Bengal                | IISCOR          |               | 0.297          | <b>0.297</b>   |               | 0.234          | <b>0.234</b>   |               | 0.099          | <b>0.099</b>   |
| West Bengal                | DPL             |               |                |                |               |                |                |               | 0.067          | <b>0.067</b>   |
| West Bengal                | CESC            |               | 1.856          | <b>1.856</b>   |               | 1.958          | <b>1.958</b>   |               | 2.079          | <b>2.079</b>   |
| <b>West Bengal</b>         | <b>Total</b>    | <b>1.056</b>  | <b>32.080</b>  | <b>33.136</b>  | <b>0.144</b>  | <b>33.470</b>  | <b>33.614</b>  | <b>0.000</b>  | <b>30.463</b>  | <b>30.463</b>  |
| <b>Total Public</b>        | <b>Total</b>    | <b>34.586</b> | <b>662.230</b> | <b>696.816</b> | <b>46.726</b> | <b>651.498</b> | <b>698.224</b> | <b>38.934</b> | <b>647.016</b> | <b>685.950</b> |
| <b>Total Private</b>       |                 | <b>6.546</b>  | <b>26.430</b>  | <b>32.976</b>  | <b>6.210</b>  | <b>26.440</b>  | <b>32.650</b>  | <b>5.853</b>  | <b>24.280</b>  | <b>30.133</b>  |
| <b>All India</b>           |                 | <b>41.132</b> | <b>688.660</b> | <b>729.792</b> | <b>52.936</b> | <b>677.938</b> | <b>730.874</b> | <b>44.787</b> | <b>671.296</b> | <b>716.083</b> |

Table 3.14: Company Wise Production of Different Coal Products (Coking) in Last Three Years

(Qty. in MT)

| Year    | Companies    | Washed Coal (Coking) | Middling (Coking) | Hard Coke     | CIL Coke     | Coke Fines   | Coal gas (Mill. NM3) | Coal fines   |
|---------|--------------|----------------------|-------------------|---------------|--------------|--------------|----------------------|--------------|
| (1)     | (2)          | (3)                  | (4)               | (5)           | (6)          | (7)          | (8)                  | (9)          |
| 2018-19 | BCCL         | 0.634                | 0.766             |               |              |              |                      |              |
|         | CCL          | 0.805                | 1.108             |               |              |              |                      |              |
|         | WCL          |                      |                   |               |              |              |                      |              |
|         | DCC          |                      |                   |               | 0.003        | 0.004        | 0.003                | 0.048        |
|         | SAIL         |                      |                   | 8.215         |              |              |                      |              |
|         | IISCO        | 0.396                | 0.275             | 0.915         |              |              |                      |              |
|         | RINL         |                      |                   | 2.523         |              |              |                      |              |
|         | TSL          | 3.735                | 1.353             | 2.529         |              |              |                      |              |
|         | <b>Total</b> | <b>5.570</b>         | <b>3.502</b>      | <b>14.182</b> | <b>0.003</b> | <b>0.004</b> | <b>0.003</b>         | <b>0.048</b> |
| 2019-20 | BCCL         | 0.664                | 0.812             |               |              |              |                      |              |
|         | CCL          | 0.762                | 1.093             |               |              |              |                      |              |
|         | WCL          |                      |                   |               |              |              |                      |              |
|         | DCC          |                      |                   |               | 0.001        | 0.001        | 0.002                | 0.032        |
|         | SAIL         |                      |                   | 9.794         |              |              |                      |              |
|         | IISCO        | 0.386                | 0.413             | 0.000         |              |              |                      |              |
|         | RINL         |                      |                   | 2.479         |              |              |                      |              |
|         | TSL          | 3.473                | 1.229             | 2.571         |              |              |                      |              |
|         | <b>Total</b> | <b>5.285</b>         | <b>3.547</b>      | <b>14.844</b> | <b>0.001</b> | <b>0.001</b> | <b>0.002</b>         | <b>0.032</b> |
| 2020-21 | BCCL         | 0.365                | 1.304             |               |              |              |                      |              |
|         | CCL          | 0.437                | 0.773             |               |              |              |                      |              |
|         | WCL          |                      |                   |               |              |              |                      |              |
|         | DCC          |                      |                   |               | 0.001        | 0.001        | 0.000                | 0.024        |
|         | SAIL         |                      |                   | 8.288         |              |              |                      |              |
|         | IISCO        | 0.597                | 0.463             | 0.977         |              |              |                      |              |
|         | RINL         |                      |                   | 2.245         |              |              |                      |              |
|         | TSL          | 3.119                | 1.083             | 2.385         |              |              |                      |              |
|         | <b>Total</b> | <b>4.518</b>         | <b>3.623</b>      | <b>13.895</b> | <b>0.001</b> | <b>0.001</b> | <b>0.000</b>         | <b>0.024</b> |

Table 3.15: Grade Wise Production of Coking Coal By Companies in 2020-21

(Qty. in MT)

| Companies            | Production of Coking Coal |              |              |              |              |              |               |               |              |               |               |               |
|----------------------|---------------------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|--------------|---------------|---------------|---------------|
|                      | Steel-I                   | Steel-II     | SC-1         | Wash-I       | Wash-II      | Wash-III     | Wash-IV       | Wash -V       | Wash-VI      | Met.Coal      | Non Met       | Total Coking  |
| (1)                  | (2)                       | (3)          | (4)          | (5)          | (6)          | (7)          | (8)           | (9)           | (10)         | (12)          | (13)          | (12) + (13)   |
| ECL                  |                           |              |              |              |              | 0.015        |               |               |              |               | 0.015         | 0.015         |
| BCCL                 | 0.001                     | 0.008        |              | 0.202        | 1.412        | 1.086        | 13.798        | 6.487         | 0.390        | 23.384        | 0.000         | 23.384        |
| CCL                  |                           |              |              |              | 0.304        | 0.330        | 8.057         | 6.311         | 0.041        | 2.947         | 12.096        | 15.043        |
| NCL                  |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| WCL                  |                           |              |              |              |              |              | 0.181         |               |              |               | 0.181         | 0.181         |
| SECL                 |                           |              | 0.219        |              |              |              |               |               |              |               | 0.219         | 0.219         |
| SECL(GP-IV/2&3)      |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| SECL(GP-IV/1)        |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| MCL                  |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| NEC                  |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| <b>CIL</b>           | <b>0.001</b>              | <b>0.008</b> | <b>0.219</b> | <b>0.202</b> | <b>1.716</b> | <b>1.431</b> | <b>22.036</b> | <b>12.798</b> | <b>0.431</b> | <b>26.331</b> | <b>12.511</b> | <b>38.842</b> |
| SCCL                 |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| JKML                 |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| JSMDCL               |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| DVC                  |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| IISCO                |                           |              |              |              |              |              | 0.092         |               |              | 0.092         | 0.000         | 0.092         |
| SAIL                 |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| RRVUNL               |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| NTPC                 |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| WBPDC                |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| CSPGCL               |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| TSPGCL               |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| OCPL                 |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| DPL                  |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| NLCIL                |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| <b>Total Public</b>  | <b>0.001</b>              | <b>0.008</b> | <b>0.219</b> | <b>0.202</b> | <b>1.716</b> | <b>1.431</b> | <b>22.128</b> | <b>12.798</b> | <b>0.431</b> | <b>26.423</b> | <b>12.511</b> | <b>38.934</b> |
| TSL                  |                           |              |              |              | 0.649        | 0.389        | 4.815         |               |              | 5.853         | 0.000         | 5.853         |
| BALCO                |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| CESC                 |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| GMR                  |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| HIL                  |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| JPVL                 |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| SIL                  |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| SPL                  |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| RCCPL                |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| TUML                 |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| OCL                  |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| AMBUJA               |                           |              |              |              |              |              |               |               |              |               | 0.000         | 0.000         |
| <b>Total Private</b> | <b>0.000</b>              | <b>0.000</b> | <b>0.000</b> | <b>0.000</b> | <b>0.649</b> | <b>0.389</b> | <b>4.815</b>  | <b>0.000</b>  | <b>0.000</b> | <b>5.853</b>  | <b>0.000</b>  | <b>5.853</b>  |
| <b>All India</b>     | <b>0.001</b>              | <b>0.008</b> | <b>0.219</b> | <b>0.202</b> | <b>2.365</b> | <b>1.820</b> | <b>26.943</b> | <b>12.798</b> | <b>0.431</b> | <b>32.276</b> | <b>12.511</b> | <b>44.787</b> |

Table 3.16: Grade Wise Production of Non-Coking Coal by Companies in 2020-21

(Qty. in MT)

| Companies           | Production of Non-Coking Coal |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |          |                  | Total Coal |
|---------------------|-------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|--------|---------|--------|--------|--------|--------|-------|-------|----------|------------------|------------|
|                     | G1                            | G2    | G3    | G4     | G5    | G6    | G7     | G8     | G9     | G10    | G11     | G12    | G13    | G14    | G15    | G16   | G17   | Un grade | Total Non-Coking |            |
| (1)                 | (2)                           | (3)   | (4)   | (5)    | (6)   | (7)   | (8)    | (9)    | (10)   | (11)   | (12)    | (13)   | (14)   | (15)   | (16)   | (17)  | (18)  | (19)     | (20)             | (21)       |
| ECL                 |                               |       | 1.041 | 14.221 | 6.693 | 1.241 | 4.042  | 2.035  |        | 0.143  |         |        | 15.573 |        |        |       |       |          | 44.989           | 45.004     |
| BCCL                |                               |       |       |        | 0.185 | 0.004 | 0.269  | 0.812  |        | 0.002  |         |        |        |        |        |       |       |          | 1.272            | 24.656     |
| CCL                 |                               |       |       |        |       | 0.599 | 1.287  | 3.889  | 7.289  | 6.493  | 11.939  | 9.716  | 6.334  |        |        |       |       |          | 47.546           | 62.589     |
| NCL                 |                               |       |       |        |       |       | 23.542 | 27.507 | 1.231  | 29.611 | 22.255  | 7.006  | 3.890  |        |        |       |       |          | 115.042          | 115.042    |
| WCL                 |                               |       |       |        |       | 0.128 | 0.172  | 1.352  | 6.074  | 16.185 | 17.875  | 5.464  | 2.844  |        |        |       |       |          | 50.094           | 50.275     |
| SECL                |                               |       | 1.640 |        | 2.296 | 2.152 | 4.067  | 5.624  | 4.045  | 2.965  | 110.625 | 0.574  | 5.360  | 0.098  | 7.735  | 0.004 |       |          | 147.185          | 147.404    |
| SECL<br>(GP-IV/2&3) |                               |       |       |        |       |       |        |        |        |        |         | 0.556  | 0.000  | 0.652  | 0.367  | 1.627 |       |          | 3.202            | 3.202      |
| SECL<br>(GP-IV/1)   |                               |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |          | 0.000            | 0.000      |
| MCL                 |                               |       |       |        |       |       |        | 0.076  |        |        |         | 44.769 | 30.981 | 59.911 | 12.276 |       |       |          | 148.013          | 148.013    |
| NEC                 | 0.003                         | 0.027 |       |        |       | 0.006 |        |        |        |        |         |        |        |        |        |       |       |          | 0.036            | 0.036      |
| CIL                 | 0.003                         | 0.027 | 2.681 | 14.221 | 9.174 | 4.130 | 33.379 | 41.295 | 18.639 | 55.399 | 162.694 | 68.085 | 64.982 | 60.661 | 20.378 | 1.631 | 0.000 | 0.000    | 557.379          | 596.221    |
| SCCL                |                               |       |       |        | 0.450 | 0.076 | 3.741  | 3.944  | 6.882  | 3.159  | 8.546   | 3.621  | 11.948 | 2.181  | 5.653  | 0.000 | 0.226 | 0.153    | 50.580           | 50.580     |
| JKML                |                               |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       | 0.010 |          | 0.010            | 0.010      |
| JSMDC               |                               |       |       |        |       |       |        |        |        |        |         | 0.079  |        |        |        |       |       |          | 0.079            | 0.079      |
| DVC                 |                               |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |          | 0.000            | 0.000      |
| IISCO               |                               |       |       |        | 0.083 |       | 0.016  |        |        |        |         |        |        |        |        |       |       |          | 0.099            | 0.191      |
| SAIL                |                               |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |          | 0.000            | 0.000      |
| RRVUNL              |                               |       |       |        |       |       |        |        |        |        | 10.193  |        | 0.100  |        |        | 4.707 |       |          | 15.000           | 15.000     |
| NTPC                |                               |       |       |        |       |       |        |        | 7.069  |        | 0.082   | 0.730  | 3.124  |        |        |       |       |          | 11.005           | 11.005     |
| WBPDC               |                               |       |       |        |       |       | 0.310  |        | 4.133  | 1.000  |         | 0.585  | 0.230  |        |        |       |       |          | 6.258            | 6.258      |
| CSPGCL              |                               |       |       |        |       |       |        |        |        |        |         |        | 0.439  | 0.441  | 0.170  | 0.452 |       |          | 1.502            | 1.502      |
| TSPGCL              |                               |       |       |        |       |       |        | 2.023  |        |        |         |        |        |        |        |       |       |          | 2.023            | 2.023      |
| OCPL                |                               |       |       |        |       |       |        |        |        |        |         |        |        | 2.001  |        |       |       |          | 2.001            | 2.001      |
| DPL                 |                               |       |       |        |       |       |        |        |        |        |         | 0.067  |        |        |        |       |       |          | 0.067            | 0.067      |
| NLCIL               |                               |       |       |        |       |       |        |        |        |        |         |        |        | 1.013  |        |       |       |          | 1.013            | 1.013      |
| Total Public        | 0.003                         | 0.027 | 2.681 | 14.221 | 9.707 | 4.206 | 37.446 | 47.262 | 36.723 | 59.558 | 181.515 | 73.167 | 80.823 | 66.297 | 26.201 | 6.790 | 0.236 | 0.153    | 647.016          | 685.950    |
| TSL                 |                               |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |          | 0.000            | 5.853      |
| BALCO               |                               |       |       |        |       |       |        |        |        |        |         | 0.002  |        |        |        |       |       |          | 0.002            | 0.002      |
| CESC                |                               |       |       |        |       |       |        |        |        |        | 2.079   |        |        |        |        |       |       |          | 2.079            | 2.079      |
| GMR                 |                               |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |          | 0.000            | 0.000      |
| HIL                 |                               |       |       |        |       | 0.046 |        | 0.200  |        |        |         | 0.062  |        |        |        |       |       |          | 0.308            | 0.308      |
| JPVL                |                               |       |       |        |       |       |        |        |        |        | 2.800   |        |        |        |        |       |       |          | 2.800            | 2.800      |
| SIL                 |                               |       |       |        |       |       |        | 0.068  |        |        |         |        |        |        |        |       |       |          | 0.068            | 0.068      |
| SPL                 |                               |       |       |        |       |       |        |        |        | 10.271 | 8.299   |        |        |        |        |       |       |          | 18.570           | 18.570     |
| RCCPL               |                               |       |       |        |       |       |        | 0.172  |        |        |         |        |        |        |        |       |       |          | 0.172            | 0.172      |
| TUML                |                               |       |       |        |       |       |        |        |        |        |         |        | 0.112  |        |        |       |       |          | 0.112            | 0.112      |
| OCL                 |                               |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |          | 0.000            | 0.000      |
| AMBUJA              |                               |       |       |        |       |       |        |        |        | 0.054  | 0.000   | 0.115  |        |        |        |       |       |          | 0.169            | 0.169      |
| Total Private       | 0.000                         | 0.000 | 0.000 | 0.000  | 0.000 | 0.046 | 0.000  | 0.440  | 0.000  | 10.325 | 13.178  | 0.179  | 0.112  | 0.000  | 0.000  | 0.000 | 0.000 | 0.000    | 24.280           | 30.133     |
| All India           | 0.003                         | 0.027 | 2.681 | 14.221 | 9.707 | 4.252 | 37.446 | 47.702 | 36.723 | 69.883 | 194.693 | 73.346 | 80.935 | 66.297 | 26.201 | 6.790 | 0.236 | 0.153    | 671.296          | 716.083    |

Table 3.17: Grade Wise Production of Coking Coal and Non-Coking Coal by States in 2020-21

(Qty. in MT)

| Grade                   | Assam        | Chhattisgarh   | Jammu & Kashmir | Jharkhand      | Madhya Pradesh | Maharashtra   | Odisha         | Telangana     | Uttar Pradesh | West Bengal   | India          |
|-------------------------|--------------|----------------|-----------------|----------------|----------------|---------------|----------------|---------------|---------------|---------------|----------------|
| (1)                     | (2)          | (3)            | (4)             | (5)            | (6)            | (7)           | (8)            | (9)           | (10)          | (11)          | (12)           |
| Steel-I                 |              |                |                 | 0.001          |                |               |                |               |               |               | 0.001          |
| Steel-II                |              |                |                 | 0.008          |                |               |                |               |               |               | 0.008          |
| SC                      |              | 0.219          |                 |                |                |               |                |               |               |               | 0.219          |
| Wash-I                  |              |                |                 | 0.202          |                |               |                |               |               |               | 0.202          |
| Wash-II                 |              |                |                 | 2.365          |                |               |                |               |               |               | 2.365          |
| Wash-III                |              |                |                 | 1.820          |                |               |                |               |               |               | 1.820          |
| Wash-IV                 |              |                |                 | 26.762         | 0.181          |               |                |               |               |               | 26.943         |
| Wash-V                  |              |                |                 | 12.798         |                |               |                |               |               |               | 12.798         |
| Wash-VI                 |              |                |                 | 0.431          |                |               |                |               |               |               | 0.431          |
| Met.Coal                |              | 0.219          |                 | 44.387         | 0.181          |               |                |               |               |               | 44.787         |
| Non Met                 |              |                |                 |                |                |               |                |               |               |               | 0.000          |
| <b>Total Coking</b>     | <b>0.000</b> | <b>0.219</b>   | <b>0.000</b>    | <b>44.387</b>  | <b>0.181</b>   | <b>0.000</b>  | <b>0.000</b>   | <b>0.000</b>  | <b>0.000</b>  | <b>0.000</b>  | <b>44.787</b>  |
| G1                      | 0.003        |                |                 |                |                |               |                |               |               |               | 0.003          |
| G2                      | 0.027        |                |                 |                |                |               |                |               |               |               | 0.027          |
| G3                      |              | 1.640          |                 | 0.228          |                |               |                |               |               | 0.813         | 2.681          |
| G4                      |              |                |                 | 0.043          |                |               |                |               |               | 14.178        | 14.221         |
| G5                      |              | 1.860          |                 | 1.070          | 0.436          |               |                | 0.450         |               | 5.891         | 9.707          |
| G6                      | 0.006        | 0.945          |                 | 0.669          | 1.335          |               |                | 0.076         |               | 1.221         | 4.252          |
| G7                      |              | 2.601          |                 | 3.396          | 25.073         | 0.107         |                | 3.741         |               | 2.528         | 37.446         |
| G8                      |              | 2.212          |                 | 4.865          | 17.696         | 0.696         | 0.076          | 5.967         | 14.319        | 1.871         | 47.702         |
| G9                      |              | 1.561          |                 | 18.491         | 3.840          | 5.377         |                | 6.882         | 0.572         |               | 36.723         |
| G10                     |              | 2.379          |                 | 6.638          | 38.692         | 16.058        |                | 3.159         | 1.957         | 1.000         | 69.883         |
| G11                     |              | 120.900        |                 | 11.939         | 33.426         | 17.635        |                | 8.546         | 0.168         | 2.079         | 194.693        |
| G12                     |              | 2.039          |                 | 9.795          | 7.825          | 4.645         | 44.769         | 3.621         |               | 0.652         | 73.346         |
| G13                     |              | 5.899          |                 | 21.907         | 3.929          | 2.917         | 34.105         | 11.948        |               | 0.230         | 80.935         |
| G14                     |              | 1.093          |                 |                | 0.098          |               | 62.925         | 2.181         |               |               | 66.297         |
| G15                     |              | 8.272          |                 |                |                |               | 12.276         | 5.653         |               |               | 26.201         |
| G16                     |              | 6.790          |                 |                |                |               |                |               |               |               | 6.790          |
| G17                     |              |                | 0.010           |                |                |               |                | 0.226         |               |               | 0.236          |
| Ungrade                 |              |                |                 |                |                |               |                | 0.153         |               |               | 0.153          |
| <b>Total Non-Coking</b> | <b>0.036</b> | <b>158.191</b> | <b>0.010</b>    | <b>79.041</b>  | <b>132.350</b> | <b>47.435</b> | <b>154.151</b> | <b>52.603</b> | <b>17.016</b> | <b>30.463</b> | <b>671.296</b> |
| <b>India</b>            | <b>0.036</b> | <b>158.410</b> | <b>0.010</b>    | <b>123.428</b> | <b>132.531</b> | <b>47.435</b> | <b>154.151</b> | <b>52.603</b> | <b>17.016</b> | <b>30.463</b> | <b>716.083</b> |

Table 3.18: Grade Wise Production of Coking Coal and Non-Coking Coal in India During Last Ten Years

(Qty. in MT)

| Type                          | Grade               | 2011-12        | Grade (New)         | 2012-13        | 2013-14        | 2014-15        | 2015-16        | 2016-17        | 2017-18        | 2018-19        | 2019-20        | 2020-21        |
|-------------------------------|---------------------|----------------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| (1)                           | (2)                 | (3)            | (New)               | (4)            | (5)            | (6)            | (7)            | (8)            | (9)            | (10)           | (11)           | (12)           |
| Production of Coking Coal     | Steel-I             | 0.083          | Steel-I             | 0.072          | 0.061          | 0.050          | 0.037          | 0.023          | 0.155          | 0.035          | 0.018          | 0.001          |
|                               | Steel-II            | 1.135          | Steel-II            | 1.37           | 0.604          | 0.456          | 1.051          | 1.004          | 0.051          | 0.000          | 0.132          | 0.008          |
|                               | SC-1                | 0.199          | SC-1                | 0.167          | 0.135          | 0.130          | 0.135          | 0.110          | 0.182          | 0.247          | 0.250          | 0.219          |
|                               | Wash-I              | 0.246          | Wash-I              | 0.26           | 0.145          | 0.115          | 0.415          | 0.315          | 0.176          | 0.058          | 0.136          | 0.202          |
|                               | Wash-II             | 1.815          | Wash-II             | 1.711          | 2.042          | 2.228          | 2.493          | 3.420          | 4.552          | 4.339          | 2.303          | 2.365          |
|                               | Wash-III            | 13.147         | Wash-III            | 12.346         | 12.616         | 12.335         | 12.968         | 10.796         | 3.991          | 6.577          | 7.361          | 1.820          |
|                               | Wash-IV             | 35.035         | Wash-IV             | 35.656         | 40.962         | 42.132         | 43.788         | 45.993         | 31.041         | 29.874         | 33.094         | 26.943         |
|                               | Wash-V              |                | Wash-V              |                |                |                |                |                |                |                | 9.635          | 12.798         |
|                               | Wash-VI             |                | Wash-VI             |                |                |                |                |                |                |                | 0.007          | 0.431          |
|                               | SLV1                | 0              | SLV1                | 0              | 0.253          | 0              | 0              | 0              | 0              | 0.002          | 0.000          | 0.000          |
|                               | Met.Coal            | 13.784         | Met.Coal            | 14.547         | 15.114         | 13.784         | 14.339         | 15.254         | 32.866         | 34.028         | 35.451         | 32.276         |
|                               | Non Met             | 37.876         | Non Met             | 37.035         | 41.704         | 43.662         | 46.548         | 46.344         | 7.282          | 7.104          | 17.485         | 12.511         |
|                               | <b>Total Coking</b> | <b>51.660</b>  | <b>Total Coking</b> | <b>51.582</b>  | <b>56.818</b>  | <b>57.446</b>  | <b>60.887</b>  | <b>61.661</b>  | <b>40.148</b>  | <b>41.132</b>  | <b>52.936</b>  | <b>44.787</b>  |
| Production of Non-Coking Coal | A                   | 14.942         | G1                  | 5.899          | 6.13           | 2.740          | 3.831          | 2.418          | 1.710          | 0.087          | 0.021          | 0.003          |
|                               | B                   | 59.312         | G2                  | 0.48           | 0.416          | 0.565          | 0.341          | 0.309          | 0.264          | 0.480          | 0.288          | 0.027          |
|                               | C                   | 28.918         | G3                  | 5.622          | 5.374          | 5.469          | 5.189          | 5.279          | 3.513          | 3.313          | 3.231          | 2.681          |
|                               | D                   | 77.109         | G4                  | 17.619         | 21.526         | 19.025         | 17.665         | 17.319         | 14.535         | 15.545         | 14.472         | 14.221         |
|                               | E                   | 78.257         | G5                  | 15.162         | 13.236         | 14.789         | 16.302         | 13.600         | 14.730         | 12.453         | 14.633         | 9.707          |
|                               | F                   | 205.194        | G6                  | 22.708         | 17.714         | 22.680         | 13.114         | 14.140         | 10.868         | 7.900          | 4.605          | 4.252          |
|                               | G                   | 13.712         | G7                  | 34.842         | 35.837         | 37.838         | 39.038         | 35.574         | 36.817         | 41.348         | 40.891         | 37.446         |
|                               |                     |                | G8                  | 24.189         | 28.273         | 30.523         | 33.15          | 29.574         | 40.980         | 54.420         | 45.546         | 47.702         |
|                               |                     |                | G9                  | 66.817         | 57.003         | 52.704         | 44.579         | 38.924         | 27.547         | 35.595         | 37.869         | 36.723         |
|                               |                     |                | G10                 | 59.118         | 55.405         | 64.411         | 82.855         | 98.175         | 91.478         | 84.227         | 78.135         | 69.883         |
|                               |                     |                | G11                 | 120.369        | 126.328        | 130.703        | 147.46         | 143.233        | 179.975        | 199.705        | 193.872        | 194.693        |
|                               |                     |                | G12                 | 36.932         | 56.372         | 79.169         | 90.578         | 91.786         | 53.418         | 66.297         | 71.628         | 73.346         |
|                               |                     |                | G13                 | 81.09          | 68.984         | 76.348         | 77.619         | 90.937         | 101.743        | 111.210        | 86.864         | 80.935         |
|                               |                     |                | G14                 | 3.168          | 4.556          | 5.054          | 1.439          | 6.419          | 44.637         | 41.037         | 58.795         | 66.297         |
|                               |                     |                | G15                 | 3.968          | 3.858          | 3.806          | 4.073          | 3.263          | 7.894          | 6.885          | 17.598         | 26.201         |
|                               |                     |                | G16                 | 1.63           | 3.093          | 2.627          | 0.418          | 4.505          | 3.544          | 3.847          | 4.033          | 6.790          |
|                               |                     |                | G17                 | 5.207          | 4.786          | 3.258          | 0.666          | 0.459          | 1.467          | 3.109          | 5.282          | 0.236          |
|                               | Ungraded            | 10.846         | Ungraded            |                | 0.056          | 0.024          | 0.026          | 0.293          | 0.132          | 0.128          | 0.175          | 0.153          |
| <b>Total Non-Coking</b>       |                     | <b>488.290</b> |                     | <b>504.820</b> | <b>508.947</b> | <b>551.733</b> | <b>578.343</b> | <b>596.207</b> | <b>635.252</b> | <b>687.586</b> | <b>677.938</b> | <b>671.296</b> |
| <b>Total Coal</b>             |                     | <b>539.950</b> |                     | <b>556.402</b> | <b>565.765</b> | <b>609.179</b> | <b>639.230</b> | <b>657.868</b> | <b>675.400</b> | <b>728.718</b> | <b>730.874</b> | <b>716.083</b> |

Note: (1) Meghalaya Coal has not been graded by Coal Controller. For Statistical purpose grade may be treated as "A" / "B" non-coking coal.

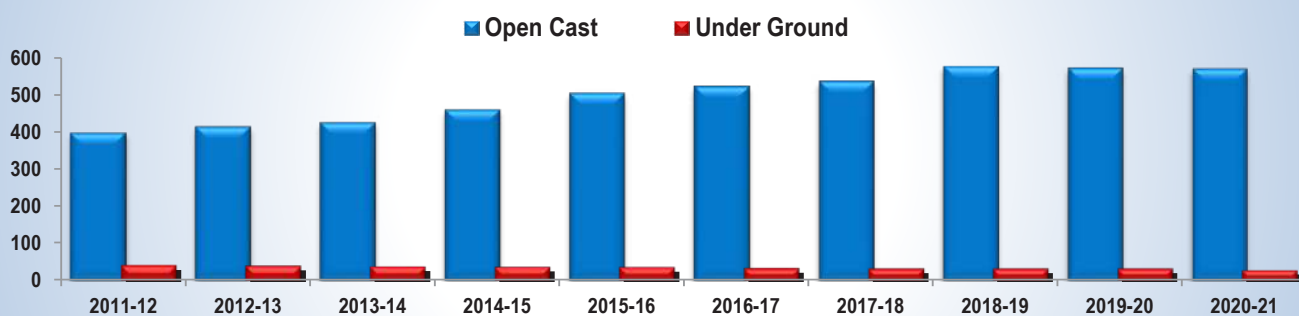
(2) For definition of grade please see page I.2

Table 3.19: Trend of Production of Raw Coal from Open Cast and Under Ground Mines in Last Ten Years

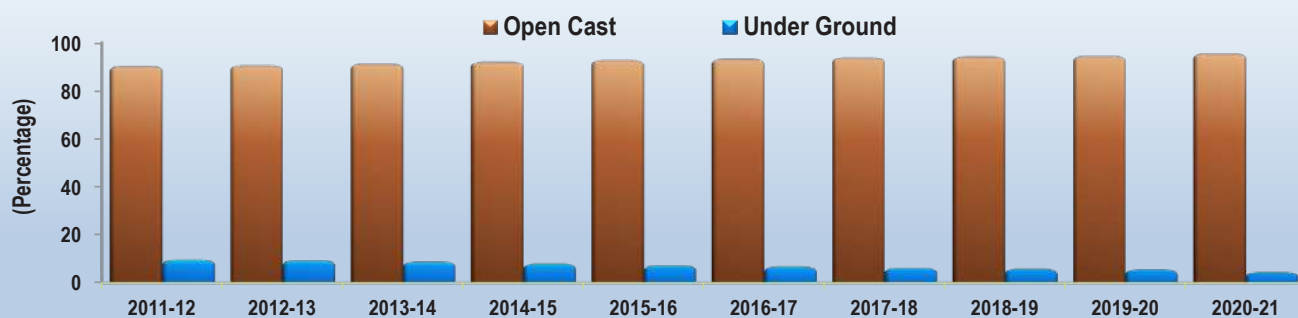
(Qty. in MT)

| Year    | Open Cast  |         |           |                                 |                           | Under Ground |         |           |                                 |                           | All India Raw Coal |            |
|---------|------------|---------|-----------|---------------------------------|---------------------------|--------------|---------|-----------|---------------------------------|---------------------------|--------------------|------------|
|         | Production |         |           | OC Share (%) in All India Total | OC Growth (%) (All India) | Production   |         |           | UG Share (%) in All India Total | UG Growth (%) (All India) | Production         | Growth (%) |
|         | by CIL     | by SCCL | All India |                                 |                           | by CIL       | by SCCL | All India |                                 |                           |                    |            |
| (1)     | (2)        | (3)     | (4)       | (5)                             | (6)                       | (7)          | (8)     | (9)       | (10)                            | (11)                      | (12)               | (13)       |
| 2011-12 | 397.445    | 41.573  | 487.993   | 90.38                           | 2.12                      | 38.393       | 10.638  | 51.957    | 9.62                            | -5.28                     | 539.950            | 1.36       |
| 2012-13 | 414.423    | 41.593  | 504.195   | 90.62                           | 3.32                      | 37.777       | 11.597  | 52.207    | 9.38                            | 0.48                      | 556.402            | 3.05       |
| 2013-14 | 426.300    | 39.921  | 516.116   | 91.22                           | 2.36                      | 36.113       | 10.548  | 49.649    | 8.78                            | -4.90                     | 565.765            | 1.68       |
| 2014-15 | 459.191    | 42.333  | 560.667   | 92.04                           | 8.63                      | 35.043       | 10.203  | 48.512    | 7.96                            | -2.29                     | 609.179            | 7.67       |
| 2015-16 | 504.969    | 49.727  | 592.822   | 92.74                           | 5.74                      | 33.785       | 10.653  | 46.408    | 7.26                            | -4.34                     | 639.230            | 4.93       |
| 2016-17 | 522.663    | 51.821  | 613.518   | 93.26                           | 3.49                      | 31.477       | 9.515   | 44.350    | 6.74                            | -4.43                     | 657.868            | 2.92       |
| 2017-18 | 536.823    | 53.700  | 633.569   | 93.81                           | 3.27                      | 30.543       | 8.310   | 41.831    | 6.19                            | -5.68                     | 675.400            | 2.66       |
| 2018-19 | 576.404    | 55.223  | 686.214   | 94.17                           | 8.31                      | 30.483       | 9.178   | 42.504    | 5.83                            | 1.61                      | 728.718            | 7.89       |
| 2019-20 | 572.092    | 55.359  | 690.393   | 94.46                           | 0.61                      | 30.037       | 8.685   | 40.481    | 5.54                            | -4.76                     | 730.874            | 0.30       |
| 2020-21 | 569.768    | 46.065  | 683.872   | 95.50                           | -0.94                     | 26.453       | 4.515   | 32.211    | 4.50                            | -20.43                    | 716.083            | -2.02      |

Production by Type of Mines - CIL



Percentage Distribution of Production by Type of Mines - India



Production by Type of Mines - SCCL

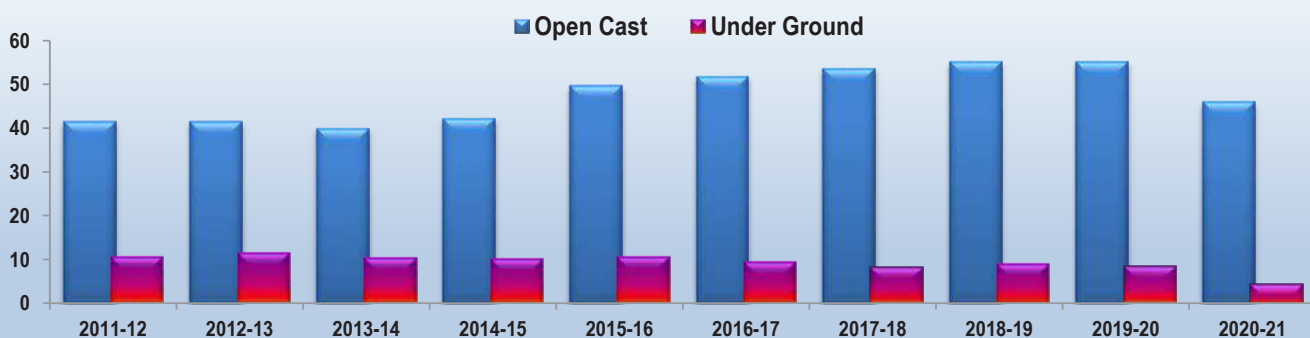


Table 3.20: Company Wise Production of Raw Coal from Open Cast and Under Ground Mines in Last Two Years

(Qty. in MT)

| Companies            | 2019-20        |               |              |               |               |               | 2020-21        |               |                |               |              |               |
|----------------------|----------------|---------------|--------------|---------------|---------------|---------------|----------------|---------------|----------------|---------------|--------------|---------------|
|                      | Open Cast      |               |              | Under Ground  |               |               | Open Cast      |               |                | Under Ground  |              |               |
|                      | Quantity       | Share (%)     | Growth (%)   | Quantity      | Share (%)     | Growth (%)    | Quantity       | Share (%)     | Growth (%)     | Quantity      | Share (%)    | Growth (%)    |
| (1)                  | (2)            | (3)           | (4)          | (5)           | (6)           | (7)           | (8)            | (9)           | (10)           | (11)          | (12)         | (13)          |
| ECL                  | 41.195         | 5.97          | 0.23         | 9.206         | 22.64         | 1.60          | 35.695         | 5.22          | -13.35         | 9.309         | 22.89        | 1.12          |
| BCCL                 | 26.687         | 3.87          | -11.45       | 1.042         | 2.56          | 15.78         | 24.048         | 3.52          | -9.89          | 0.608         | 1.50         | -41.65        |
| CCL                  | 66.186         | 9.59          | -3.25        | 0.703         | 1.73          | 124.60        | 62.166         | 9.09          | -6.07          | 0.423         | 1.04         | -39.83        |
| NCL                  | 108.053        | 15.66         | 6.45         |               | 0.00          | 0.00          | 115.042        | 16.82         | 6.47           |               | 0.00         | 0.00          |
| WCL                  | 53.476         | 7.75          | 10.00        | 4.160         | 10.23         | -8.87         | 46.873         | 6.85          | -12.35         | 3.402         | 8.37         | -18.22        |
| SECL                 | 133.035        | 19.27         | -3.33        | 14.090        | 34.65         | -4.62         | 135.228        | 19.77         | 1.65           | 12.176        | 29.94        | -13.58        |
| SECL(GP-IV/2&3)      | 2.659          | 0.39          | -18.71       |               | 0.00          | 0.00          | 3.202          | 0.47          | 20.42          |               | 0.00         | 0.00          |
| SECL(GP-IV/1)        | 0.762          | 0.11          | -54.67       |               | 0.00          | 0.00          | 0.000          | 0.00          | -100.00        |               | 0.00         | 0.00          |
| MCL                  | 139.522        | 20.21         | -2.62        | 0.836         | 2.06          | -4.02         | 147.478        | 21.57         | 5.70           | 0.535         | 1.32         | -36.00        |
| NEC                  | 0.517          | 0.07          | -34.06       |               | 0.00          | 0.00          | 0.036          | 0.01          | -93.04         |               | 0.00         | 0.00          |
| <b>CIL</b>           | <b>572.092</b> | <b>82.89</b>  | <b>-0.75</b> | <b>30.037</b> | <b>73.86</b>  | <b>-1.46</b>  | <b>569.768</b> | <b>83.32</b>  | <b>-0.41</b>   | <b>26.453</b> | <b>65.05</b> | <b>-11.93</b> |
| SCCL                 | 55.359         | 8.02          | 0.25         | 8.685         | 21.36         | -5.37         | 46.065         | 6.74          | -16.79         | 4.515         | 11.10        | -48.01        |
| JKML                 |                | 0.00          | 0.00         | 0.014         | 0.03          | 7.69          |                | 0.00          | 0.00           | 0.010         | 0.02         | -28.57        |
| DVC                  |                | 0.00          | 0.00         |               | 0.00          | 0.00          |                | 0.00          | 0.00           |               | 0.00         | 0.00          |
| IISCO                | 0.294          | 0.04          | -41.67       | 0.240         | 0.59          | 0.42          | 0.099          | 0.01          | -66.33         | 0.092         | 0.23         | -61.67        |
| JSMDC                | 0.068          | 0.01          | -70.18       |               | 0.00          | 0.00          | 0.079          | 0.01          | 16.18          |               | 0.00         | 0.00          |
| RRVUNL               | 15.000         | 2.17          | 0.00         |               | 0.00          | 0.00          | 15.000         | 2.19          | 0.00           |               | 0.00         | 0.00          |
| SAIL                 |                | 0.00          | 0.00         |               | 0.00          | 0.00          |                | 0.00          | 0.00           |               | 0.00         | 0.00          |
| NTPC                 | 11.151         | 1.62          | 52.52        |               | 0.00          | 0.00          | 11.005         | 1.61          | -1.31          |               | 0.00         | 0.00          |
| WBPDC                | 2.112          | 0.31          | 428.00       |               | 0.00          | 0.00          | 6.258          | 0.92          | 196.31         |               | 0.00         | 0.00          |
| CSPGCL               | 0.510          | 0.07          | 100.00       |               | 0.00          | 0.00          | 1.502          | 0.22          | 100.00         |               | 0.00         | 0.00          |
| TSPGCL               | 1.659          | 0.24          | 118.58       |               | 0.00          | 0.00          | 2.023          | 0.30          | 21.94          |               | 0.00         | 0.00          |
| OCPL                 | 1.003          | 0.15          | 100.00       |               | 0.00          | 0.00          | 2.001          | 0.29          | 100.00         |               | 0.00         | 0.00          |
| DPL                  |                |               |              |               |               |               | 0.067          | 0.01          | 107.00         |               | 0.00         | 0.00          |
| NLCIL                |                |               |              |               |               |               | 1.013          | 0.15          | 108.00         |               | 0.00         | 0.00          |
| <b>Total Public</b>  | <b>659.248</b> | <b>95.51</b>  | <b>0.52</b>  | <b>38.976</b> | <b>95.84</b>  | <b>-2.35</b>  | <b>654.880</b> | <b>95.761</b> | <b>564.594</b> | <b>31.070</b> | <b>76.40</b> | <b>-20.28</b> |
| TSL                  | 5.128          | 0.74          | -3.30        | 1.082         | 2.66          | -12.95        | 4.952          | 0.72          | -3.43          | 0.901         | 2.22         | -16.73        |
| BALCO                | 1.000          | 0.14          | 49.93        |               | 0.00          | 0.00          | 0.002          | 0.00          | -99.80         |               | 0.00         | 0.00          |
| CESC                 | 1.958          | 0.28          | 5.50         |               | 0.00          | 0.00          | 2.079          | 0.30          | 6.18           |               | 0.00         | 0.00          |
| GMR                  |                | 0.00          | 0.00         |               | 0.00          | 0.00          |                | 0.00          | 0.00           |               | 0.00         | 0.00          |
| HIL                  | 0.573          | 0.08          | -52.17       | 0.156         | 0.38          | -84.00        | 0.308          | 0.05          | -46.25         |               | 0.00         | -100.00       |
| JPVL                 | 2.800          | 0.41          | 0.00         |               | 0.00          | 0.00          | 2.800          | 0.41          | 0.00           |               | 0.00         | 0.00          |
| SIL                  |                | 0.00          | 0.00         | 0.270         | 0.66          | 0.00          |                | 0.00          | 0.00           | 0.068         | 0.17         | -74.81        |
| SPL                  | 18.700         | 2.71          | 3.89         |               | 0.00          | 0.00          | 18.570         | 2.72          | -0.70          |               | 0.00         | 0.00          |
| RCCPL                |                | 0.00          | 0.00         | 0.182         | 0.45          | 76.70         |                | 0.00          | 0.00           | 0.172         | 0.42         | -5.49         |
| TUML                 | 0.286          | 0.04          | -4.67        |               | 0.00          | 0.00          | 0.112          | 0.02          | -60.84         |               | 0.00         | 0.00          |
| OCL                  | 0.115          | 0.02          | -28.57       |               | 0.00          | 0.00          | 0.000          | 0.00          | -100.00        |               | 0.00         | 0.00          |
| AMBUJA               | 0.400          | 0.06          | 300.00       |               | 0.00          | 0.00          | 0.169          | 0.02          | -57.75         |               | 0.00         | 0.00          |
| <b>Total Private</b> | <b>30.960</b>  | <b>4.49</b>   | <b>1.89</b>  | <b>1.690</b>  | <b>4.16</b>   | <b>-34.77</b> | <b>28.992</b>  | <b>4.24</b>   | <b>-6.36</b>   | <b>1.141</b>  | <b>2.81</b>  | <b>-32.49</b> |
| <b>All India</b>     | <b>690.208</b> | <b>100.00</b> | <b>0.58</b>  | <b>40.666</b> | <b>100.00</b> | <b>-4.32</b>  | <b>683.872</b> | <b>100.00</b> | <b>-0.92</b>   | <b>32.211</b> | <b>79.21</b> | <b>-20.79</b> |

Table 3.21: Company Wise Production of Raw Coal from Open Cast and Under Ground Mines by Technology Wise in 2020-21

(Qty. in MT)

| Type of Mine     | Open Cast  |               |          |               |                 |                     | Under Ground                |               |                           |               |                        |               |                      |               |               |               |                    |                     | Total Raw Coal |            |
|------------------|------------|---------------|----------|---------------|-----------------|---------------------|-----------------------------|---------------|---------------------------|---------------|------------------------|---------------|----------------------|---------------|---------------|---------------|--------------------|---------------------|----------------|------------|
| Technology       | Mechanised |               | Manual   |               | Total Open Cast |                     | Conventional Board & Pillar |               | Mechanised Board & Pillar |               | Conventional Long Wall |               | Mechanised Long Wall |               | Other Methods |               | Total Under Ground |                     |                |            |
| Company          | Quantity   | % of Total OC | Quantity | % of Total OC | Quantity        | % of Total Raw Coal | Quantity                    | % of Total UG | Quantity                  | % of Total UG | Quantity               | % of Total UG | Quantity             | % of Total UG | Quantity      | % of Total UG | Quantity           | % of Total Raw Coal | Quantity       | % of Total |
| (1)              | (2)        | (3)           | (4)      | (5)           | (6)             | (7)                 | (8)                         | (9)           | (10)                      | (11)          | (12)                   | (13)          | (14)                 | (15)          | (16)          | (17)          | (18)               | (19)                | (20)           | (21)       |
| ECL              | 35.695     | 5.22          |          |               | 35.695          | 4.98                | 0.042                       | 0.13          | 7.621                     | 23.66         |                        | 0.00          |                      | 0.00          | 1.646         | 5.11          | 9.309              | 1.30                | 45.004         | 6.28       |
| BCCL             | 24.048     | 3.52          |          |               | 24.048          | 3.36                |                             | 0.00          | 0.378                     | 1.17          | 0.114                  | 0.35          | 0.116                | 0.36          |               | 0.00          | 0.608              | 0.08                | 24.656         | 3.44       |
| CCL              | 62.166     | 9.09          |          |               | 62.166          | 8.68                | 0.037                       | 0.11          | 0.176                     | 0.55          |                        | 0.00          |                      | 0.00          | 0.210         | 0.65          | 0.423              | 0.06                | 62.589         | 8.74       |
| NCL              | 115.042    | 16.82         |          |               | 115.042         | 16.07               |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 115.042        | 16.07      |
| WCL              | 46.873     | 6.85          |          |               | 46.873          | 6.55                |                             | 0.00          | 3.402                     | 10.56         |                        | 0.00          |                      | 0.00          |               | 0.00          | 3.402              | 0.48                | 50.275         | 7.02       |
| SECL             | 135.228    | 19.77         |          |               | 135.228         | 18.88               |                             | 0.00          | 7.273                     | 22.58         |                        | 0.00          |                      | 0.00          | 4.903         | 15.22         | 12.176             | 1.70                | 147.404        | 20.58      |
| SECL (GP-IV/2&3) | 3.202      | 0.47          |          |               | 3.202           | 0.45                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 3.202          | 0.45       |
| SECL (GP-IV/1)   | 0.000      | 0.00          |          |               | 0.000           | 0.00                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.000          | 0.00       |
| MCL              | 147.478    | 21.57         |          |               | 147.478         | 20.60               |                             | 0.00          | 0.535                     | 1.66          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.535              | 0.07                | 148.013        | 20.67      |
| NEC              | 0.036      | 0.01          |          |               | 0.036           | 0.01                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.036          | 0.01       |
| CIL              | 569.768    | 83.32         | 0.000    | 0.0           | 569.768         | 79.57               | 0.079                       | 0.25          | 19.385                    | 60.18         | 0.114                  | 0.35          | 0.116                | 0.36          | 6.759         | 20.98         | 26.453             | 3.69                | 596.221        | 83.26      |
| SCCL             | 46.065     | 6.74          |          |               | 46.065          | 6.43                |                             | 0.00          | 3.659                     | 11.36         |                        | 0.00          |                      | 0.00          | 0.856         | 2.66          | 4.515              | 0.63                | 50.580         | 7.06       |
| JKML             |            | 0.00          |          |               | 0.000           | 0.00                | 0.010                       | 0.03          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.010              | 0.00                | 0.010          | 0.00       |
| JSMDCL           | 0.079      | 0.01          |          |               | 0.079           | 0.01                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.079          | 0.01       |
| DVC              | 0.000      | 0.00          |          |               | 0.000           | 0.00                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.000          | 0.00       |
| IISCO            | 0.099      | 0.01          |          |               | 0.099           | 0.01                |                             | 0.00          |                           | 0.00          | 0.043                  | 0.13          |                      | 0.00          | 0.049         | 0.15          | 0.092              | 0.01                | 0.191          | 0.03       |
| SAIL             |            | 0.00          |          |               | 0.000           | 0.00                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.000          | 0.00       |
| RRVUNL           | 15.000     | 2.19          |          |               | 15.000          | 2.09                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 15.000         | 2.09       |
| NTPC             | 11.005     | 1.61          |          |               | 11.005          | 1.54                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 11.005         | 1.54       |
| WBPDCCL          | 6.258      | 0.92          |          |               | 6.258           | 0.87                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 6.258          | 0.87       |
| CSPGCL           | 1.502      | 0.22          |          |               | 1.502           | 0.21                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 1.502          | 0.21       |
| TSPGCL           | 2.023      | 0.30          |          |               | 2.023           | 0.28                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 2.023          | 0.28       |
| OCPL             | 2.001      | 0.29          |          |               | 2.001           | 0.28                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 2.001          | 0.28       |
| DPL              | 0.067      | 0.01          |          |               | 0.067           | 0.01                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.067          | 0.01       |
| NLCIL            | 1.013      | 0.15          |          |               | 1.013           | 0.14                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 1.013          | 0.14       |
| Total Public     | 654.880    | 95.76         | 0.000    | 0.0           | 654.880         | 91.45               | 0.089                       | 0.28          | 23.044                    | 71.54         | 0.157                  | 0.49          | 0.116                | 0.36          | 7.664         | 23.79         | 31.070             | 4.34                | 685.950        | 95.79      |
| TSL              | 4.952      | 0.72          |          |               | 4.952           | 0.69                | 0.338                       | 1.05          | 0.563                     | 1.75          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.901              | 0.13                | 5.853          | 0.82       |
| BALCO            | 0.002      | 0.00          |          |               | 0.002           | 0.00                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.002          | 0.00       |
| CESC             | 2.079      | 0.30          |          |               | 2.079           | 0.29                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 2.079          | 0.29       |
| GMR              |            | 0.00          |          |               | 0.000           | 0.00                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.000          | 0.00       |
| HIL              | 0.308      | 0.05          |          |               | 0.308           | 0.04                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.308          | 0.04       |
| JPVL             | 2.800      | 0.41          |          |               | 2.800           | 0.39                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 2.800          | 0.39       |
| SIL              |            | 0.00          |          |               | 0.000           | 0.00                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          | 0.068         | 0.21          | 0.068              | 0.01                | 0.068          | 0.01       |
| SPL              | 18.570     | 2.72          |          |               | 18.570          | 2.59                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 18.570         | 2.59       |
| RCCPL            |            | 0.00          |          |               | 0.000           | 0.00                |                             | 0.00          | 0.172                     | 0.53          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.172              | 0.02                | 0.172          | 0.02       |
| TUML             | 0.112      | 0.02          |          |               | 0.112           | 0.02                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.112          | 0.02       |
| OCL              | 0.000      | 0.00          |          |               | 0.000           | 0.00                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.000          | 0.00       |
| AMBUJA           | 0.169      | 0.02          |          |               | 0.169           | 0.02                |                             | 0.00          |                           | 0.00          |                        | 0.00          |                      | 0.00          |               | 0.00          | 0.000              | 0.00                | 0.169          | 0.02       |
| Total Private    | 28.992     | 4.24          | 0.000    | 0.0           | 28.992          | 4.05                | 0.338                       | 1.05          | 0.735                     | 2.28          | 0.000                  | 0.00          | 0.000                | 0.00          | 0.068         | 0.21          | 1.141              | 0.16                | 30.133         | 4.21       |
| All India        | 683.872    | 100.00        | 0.000    | 0.0           | 683.872         | 95.50               | 0.427                       | 1.33          | 23.779                    | 73.82         | 0.157                  | 0.49          | 0.116                | 0.36          | 7.732         | 24.00         | 32.211             | 4.50                | 716.083        | 100.00     |

Table 3.22: Company Wise Over Burden Removal and Stripping Ratio in Revenue Mines in Last Three Years

(Qty. in MT)

| Companies            | 2018-19             |                        |                 | 2019-20             |                        |                 | 2020-21             |                        |                 |
|----------------------|---------------------|------------------------|-----------------|---------------------|------------------------|-----------------|---------------------|------------------------|-----------------|
|                      | Over Burden Removal | Production (Open Cast) | Stripping Ratio | Over Burden Removal | Production (Open Cast) | Stripping Ratio | Over Burden Removal | Production (Open Cast) | Stripping Ratio |
| (1)                  | (2)                 | (3)                    | (4)             | (5)                 | (6)                    | (7)             | (8)                 | (9)                    | (10)            |
| ECL                  | 126.056             | 41.099                 | 3.07            | 140.455             | 41.195                 | 3.41            | 139.585             | 35.695                 | 3.91            |
| BCCL                 | 103.245             | 30.139                 | 3.43            | 82.646              | 26.687                 | 3.10            | 3.800               | 24.048                 | 0.16            |
| CCL                  | 100.490             | 68.408                 | 1.47            | 103.356             | 66.186                 | 1.56            | 103.577             | 62.166                 | 1.67            |
| NCL                  | 318.225             | 101.503                | 3.14            | 323.234             | 108.053                | 2.99            | 373.441             | 115.042                | 3.25            |
| WCL                  | 192.026             | 48.615                 | 3.95            | 210.655             | 53.476                 | 3.94            | 254.189             | 46.873                 | 5.42            |
| SECL                 | 181.546             | 137.624                | 1.32            | 162.008             | 133.035                | 1.22            | 190.377             | 135.228                | 1.41            |
| SECL (GP-IV/2&3)     | 1.063               | 3.271                  | 0.32            | 2.372               | 2.659                  | 0.89            | 5.993               | 3.202                  | 1.87            |
| SECL (GP-IV/1)       | 0.833               | 1.681                  | 0.50            | 0.357               | 0.762                  | 0.47            | 0.000               | 0.000                  | 0.00            |
| MCL                  | 130.002             | 143.280                | 0.91            | 124.514             | 139.522                | 0.89            | 173.150             | 147.478                | 1.17            |
| NEC                  | 8.500               | 0.784                  | 10.84           | 4.730               | 0.517                  | 9.15            | 0.619               | 0.036                  | 17.19           |
| <b>CIL</b>           | <b>1161.986</b>     | <b>576.404</b>         | <b>2.02</b>     | <b>1154.327</b>     | <b>572.092</b>         | <b>2.02</b>     | <b>1244.731</b>     | <b>569.768</b>         | <b>2.18</b>     |
| SCCL                 | 377.153             | 55.223                 | 6.83            | 348.979             | 55.359                 | 6.30            | 322.554             | 46.065                 | 7.00            |
| JKML                 |                     |                        |                 |                     | 0.000                  |                 |                     | 0.000                  |                 |
| DVC                  |                     |                        |                 |                     | 0.000                  |                 |                     | 0.000                  |                 |
| IISCO                | 0.000               | 0.504                  | 0.00            | 1.973               | 0.294                  | 6.71            | 0.681               | 0.099                  | 6.88            |
| SAIL                 |                     |                        |                 |                     | 0.000                  |                 |                     | 0.000                  |                 |
| JSMDCL               | 0.000               | 0.228                  | 0.00            | 0.453               | 0.068                  | 6.66            | 0.241               | 0.079                  | 3.05            |
| RRVUNL               | 0.000               | 15.000                 | 0.00            | 39.370              | 15.000                 | 2.62            | 31.497              | 15.000                 | 2.10            |
| NTPC                 | 0.000               | 7.311                  | 0.00            | 39.131              | 11.151                 | 3.51            | 34.239              | 11.005                 | 3.11            |
| WBPDC                | 0.000               | 0.400                  | 0.00            | 10.167              | 2.112                  | 4.81            | 21.428              | 6.258                  | 3.42            |
| CSPGCL               |                     |                        |                 | 1.489               | 0.510                  | 2.92            | 4.408               | 1.502                  | 2.93            |
| TSPGCL               | 22.221              | 0.759                  | 29.28           | 29.752              | 1.659                  | 17.93           | 30.469              | 2.023                  | 15.06           |
| OCPL                 |                     |                        |                 | 2.475               | 1.003                  | 2.47            | 7.575               | 2.001                  | 3.79            |
| DPL                  |                     |                        |                 |                     |                        |                 | 0.671               | 0.067                  | 10.01           |
| NLCIL                |                     |                        |                 |                     |                        |                 | 4.901               | 1.013                  | 4.84            |
| <b>Total Public</b>  | <b>1561.360</b>     | <b>655.829</b>         | <b>2.38</b>     | <b>1628.116</b>     | <b>659.248</b>         | <b>2.47</b>     | <b>1703.395</b>     | <b>654.880</b>         | <b>2.60</b>     |
| TSL                  | 18.969              | 5.303                  | 3.58            | 18.449              | 5.128                  | 3.60            | 19.527              | 4.952                  | 3.94            |
| HIL                  | 9.304               | 1.198                  | 7.77            | 5.573               | 0.573                  | 9.73            | 4.726               | 0.308                  | 15.34           |
| SPL                  | 81.509              | 18.000                 | 4.53            | 74.612              | 18.700                 | 3.99            | 72.189              | 18.570                 | 3.89            |
| CESC                 | 5.207               | 1.856                  | 2.81            | 5.160               | 1.958                  | 2.64            | 4.385               | 2.079                  | 2.11            |
| GMR                  | 0.000               | 0.000                  | 0.00            |                     | 0.000                  |                 |                     | 0.000                  |                 |
| BALCO                | 2.819               | 0.667                  | 4.23            | 4.918               | 1.000                  | 4.92            | 0.181               | 0.002                  | 90.50           |
| JPVL                 | 15.713              | 2.800                  | 5.61            | 15.753              | 2.800                  | 5.63            | 17.964              | 2.800                  | 6.42            |
| TUML                 | 1.363               | 0.300                  | 4.54            | 1.973               | 0.286                  | 6.90            | 0.832               | 0.112                  | 7.43            |
| RCCPL                | 0.000               | 0.000                  | 0.00            |                     | 0.000                  |                 | 0.000               | 0.000                  | 0.00            |
| OCL                  | 0.691               | 0.161                  | 4.29            | 0.691               | 0.115                  | 6.01            | 0.000               | 0.000                  | 0.00            |
| AMBUJA               | 0.926               | 0.100                  | 9.26            | 1.352               | 0.400                  | 3.38            | 0.736               | 0.169                  | 4.36            |
| <b>Total Private</b> | <b>136.501</b>      | <b>30.385</b>          | <b>4.49</b>     | <b>128.481</b>      | <b>30.960</b>          | <b>4.15</b>     | <b>120.540</b>      | <b>28.992</b>          | <b>4.16</b>     |
| <b>All India</b>     | <b>1697.861</b>     | <b>686.214</b>         | <b>2.47</b>     | <b>1756.597</b>     | <b>690.208</b>         | <b>2.55</b>     | <b>1823.935</b>     | <b>683.872</b>         | <b>2.67</b>     |

Note: (1) Stripping ratio is defined as the ratio of OBR to Coal produced in Open Cast mining.

(2) Meghalaya OBR figures are not known and not reported.

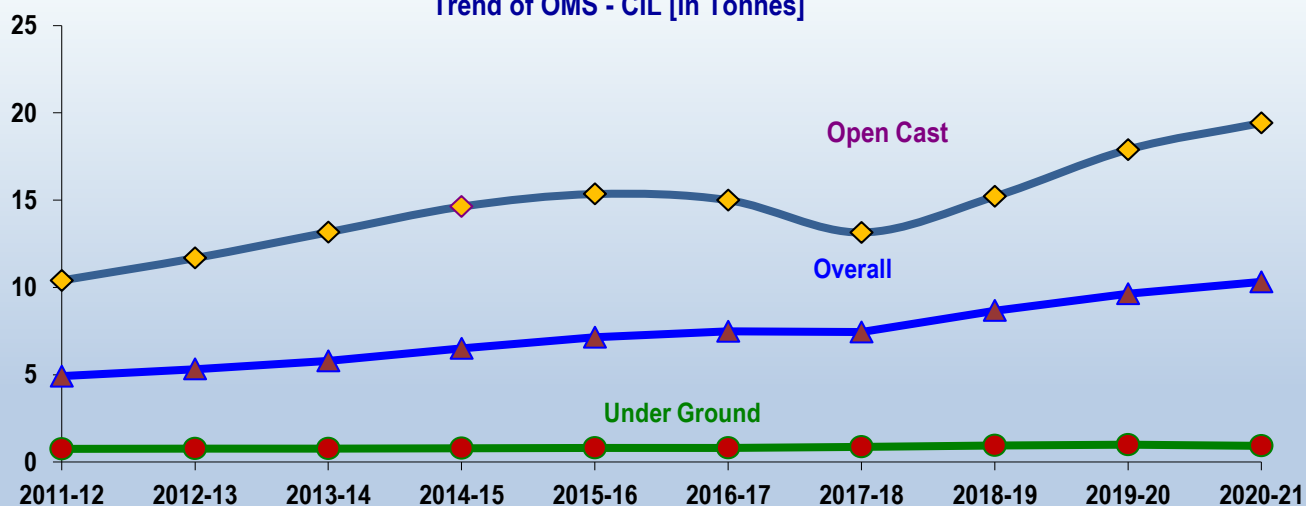
(3) While calculating stripping ratio, if OBR is not reported, corresponding production was excluded to find public/private sector OBR

Table 3.23: Trends of OMS in Open Cast &amp; Under Ground Mines (CIL &amp; SCCL) During Last Ten Years

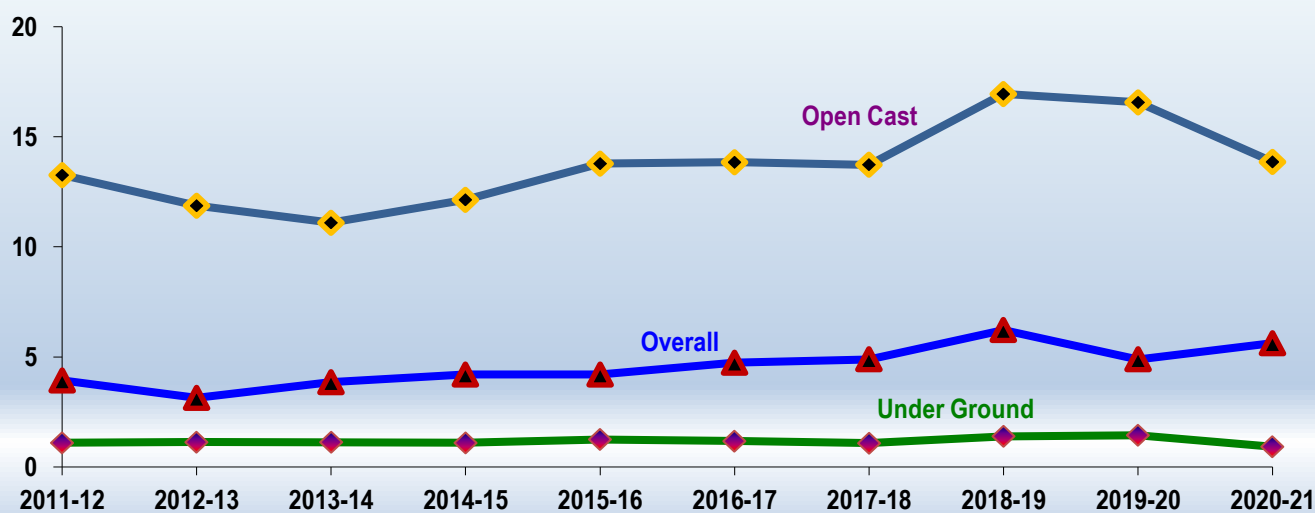
(Qty. in MT)

| Year    | OMS (Open Cast) |       | OMS (Under Ground) |      | OMS (Overall) |      |
|---------|-----------------|-------|--------------------|------|---------------|------|
|         | CIL             | SCCL  | CIL                | SCCL | CIL           | SCCL |
| (1)     | (2)             | (3)   | (4)                | (5)  | (6)           | (7)  |
| 2011-12 | 10.40           | 13.26 | 0.75               | 1.10 | 4.92          | 3.94 |
| 2012-13 | 11.68           | 11.87 | 0.77               | 1.13 | 5.32          | 3.14 |
| 2013-14 | 13.16           | 11.10 | 0.76               | 1.12 | 5.79          | 3.86 |
| 2014-15 | 14.63           | 12.14 | 0.78               | 1.10 | 6.50          | 4.20 |
| 2015-16 | 15.35           | 13.78 | 0.80               | 1.25 | 7.15          | 4.20 |
| 2016-17 | 15.00           | 13.85 | 0.80               | 1.18 | 7.48          | 4.74 |
| 2017-18 | 13.15           | 13.73 | 0.86               | 1.08 | 7.44          | 4.89 |
| 2018-19 | 15.21           | 16.95 | 0.95               | 1.39 | 8.67          | 6.22 |
| 2019-20 | 17.90           | 16.57 | 0.99               | 1.44 | 9.64          | 4.89 |
| 2020-21 | 19.42           | 13.86 | 0.93               | 0.92 | 10.32         | 5.62 |

Trend of OMS - CIL [in Tonnes]



Trend of OMS - SCCL [in Tonnes]



**Table 3.24: Company Wise Production, Manshifts & OMS (CIL & SCCL) by Type of Mines in Last Three Years**

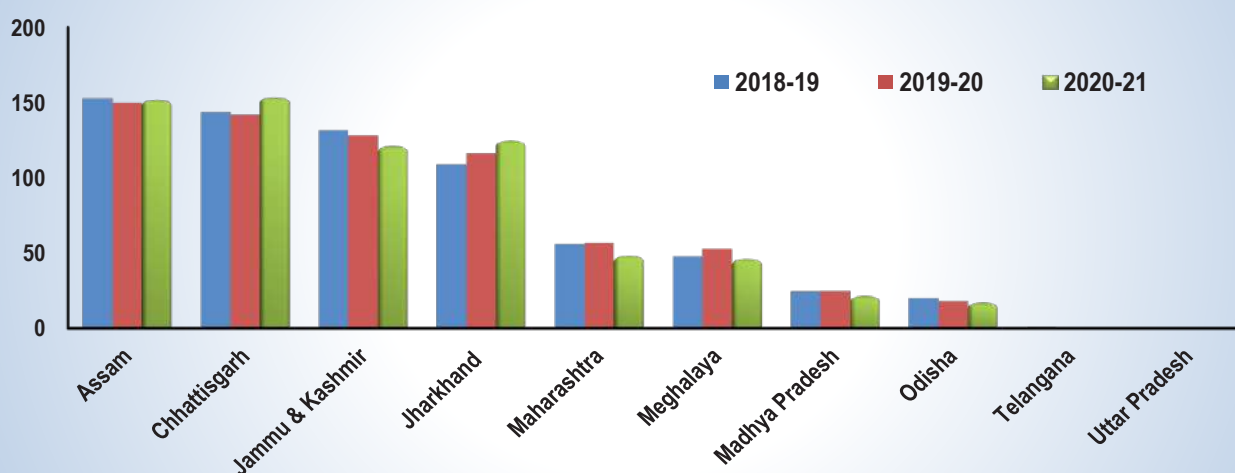
| (Qty. in MT)    | Type of Mines | 2018-19                |                    |              | 2019-20                |                    |              | 2020-21                |                    |              |
|-----------------|---------------|------------------------|--------------------|--------------|------------------------|--------------------|--------------|------------------------|--------------------|--------------|
|                 |               | Production (Mill.Tons) | Manshift (Million) | OMS (Tonnes) | Production (Mill.Tons) | Manshift (Million) | OMS (Tonnes) | Production (Mill.Tons) | Manshift (Million) | OMS (Tonnes) |
| (1)             | (2)           | (3)                    | (4)                | (5)          | (6)                    | (7)                | (8)          | (9)                    | (10)               | (11)         |
| ECL             | OC            | 41.099                 | 2.415              | 17.02        | 41.195                 | 2.373              | 34.89        | 35.695                 | 2.322              | 15.37        |
| BCCL            | OC            | 30.139                 | 4.978              | 6.05         | 26.687                 | 3.953              | 6.75         | 24.048                 | 3.236              | 7.43         |
| CCL             | OC            | 68.406                 | 7.023              | 9.74         | 66.186                 | 6.580              | 10.00        | 62.166                 | 6.422              | 9.57         |
| NCL             | OC            | 101.503                | 4.171              | 24.34        | 108.053                | 4.496              | 24.03        | 115.042                | 3.680              | 28.95        |
| WCL             | OC            | 48.615                 | 11.027             | 4.40         | 53.476                 | 4.653              | 15.64        | 46.873                 | 4.751              | 3.66         |
| SECL            | OC            | 137.624                | 4.461              | 30.85        | 133.035                | 4.496              | 29.59        | 135.228                | 4.198              | 32.96        |
| SECL(GP-IV/2&3) | OC            | 3.271                  | 0.037              | 88.41        | 2.659                  | 0.039              | 68.18        | 3.202                  | 0.046              | 69.61        |
| SECL(GP-IV/1)   | OC            | 1.681                  | 0.023              | 73.09        | 0.762                  | 0.024              | 31.75        | 0                      | 0                  | 0            |
| MCL             | OC            | 143.280                | 3.630              | 28.75        | 139.522                | 5.218              | 26.74        | 147.478                | 4.578              | 33.92        |
| NEC             | OC            | 0.784                  | 0.134              | 5.84         | 0.517                  | 0.121              | 4.26         | 0.036                  | 0.103              | 0.35         |
| <b>CIL</b>      | <b>OC</b>     | <b>576.402</b>         | <b>37.899</b>      | <b>15.21</b> | <b>572.092</b>         | <b>31.953</b>      | <b>17.90</b> | <b>569.768</b>         | <b>29.337</b>      | <b>19.42</b> |
| <b>SCCL</b>     | <b>OC</b>     | <b>55.359</b>          | <b>2.917</b>       | <b>16.95</b> | <b>55.359</b>          | <b>2.813</b>       | <b>19.68</b> | <b>46.065</b>          | <b>4.794</b>       | <b>13.86</b> |
| ECL             | UG            | 9.061                  | 11.597             | 0.78         | 9.206                  | 11.169             | 1.29         | 9.309                  | 10.926             | 1.00         |
| BCCL            | UG            | 0.900                  | 4.549              | 0.20         | 1.042                  | 4.402              | 0.24         | 0.608                  | 4.217              | 0.14         |
| CCL             | UG            | 0.315                  | 1.469              | 0.21         | 0.703                  | 1.300              | 0.54         | 0.423                  | 1.065              | 0.44         |
| NCL             | UG            |                        |                    |              |                        |                    |              |                        |                    |              |
| WCL             | UG            | 4.565                  | 4.697              | 0.97         | 4.160                  | 4.213              | 2.03         | 3.402                  | 3.646              | 0.93         |
| SECL            | UG            | 14.773                 | 8.586              | 1.82         | 14.090                 | 8.360              | 1.70         | 12.176                 | 7.645              | 1.58         |
| SECL(GP-IV/2&3) | UG            |                        |                    |              |                        |                    |              |                        |                    |              |
| SECL(GP-IV/1)   | UG            |                        |                    |              |                        |                    |              |                        |                    |              |
| MCL             | UG            | 0.871                  | 1.086              | 0.82         | 0.836                  | 0.958              | 0.87         | 0.535                  | 0.894              | 0.60         |
| NEC             | UG            | 0.000                  | 0.099              | 0.00         | 0.000                  | 0.076              |              | 0.000                  | 0.062              | 0.00         |
| <b>CIL</b>      | <b>UG</b>     | <b>30.485</b>          | <b>32.083</b>      | <b>0.95</b>  | <b>30.037</b>          | <b>30.478</b>      | <b>0.99</b>  | <b>26.453</b>          | <b>28.455</b>      | <b>0.93</b>  |
| <b>SCCL</b>     | <b>UG</b>     | <b>8.685</b>           | <b>6.547</b>       | <b>1.33</b>  | <b>8.685</b>           | <b>5.970</b>       | <b>1.45</b>  | <b>4.515</b>           | <b>2.646</b>       | <b>0.92</b>  |
| ECL             | ALL           | 50.160                 | 14.012             | 3.58         | 50.401                 | 13.542             | 36.18        | 45.004                 | 13.248             | 3.40         |
| BCCL            | ALL           | 31.039                 | 9.527              | 6.25         | 27.729                 | 8.355              | 6.99         | 24.656                 | 7.453              | 3.31         |
| CCL             | ALL           | 68.721                 | 8.492              | 8.09         | 66.889                 | 7.880              | 8.49         | 62.589                 | 7.487              | 8.49         |
| NCL             | ALL           | 101.503                | 4.171              | 24.34        | 108.053                | 4.496              | 24.03        | 115.042                | 3.680              | 28.95        |
| WCL             | ALL           | 53.180                 | 15.724             | 3.37         | 57.636                 | 8.866              | 17.67        | 50.275                 | 8.397              | 17.67        |
| SECL            | ALL           | 152.397                | 13.047             | 11.68        | 147.125                | 12.856             | 11.44        | 147.404                | 11.843             | 11.44        |
| SECL(GP-IV/2&3) | ALL           | 3.271                  | 0.037              | 88.41        | 2.659                  | 0.039              | 68.18        | 3.202                  | 0.046              | 68.13        |
| SECL(GP-IV/1)   | ALL           | 1.681                  | 0.023              | 73.09        | 0.762                  | 0.024              | 31.75        | 0.000                  | 0.000              | 0.00         |
| MCL             | ALL           | 144.151                | 4.716              | 23.82        | 140.358                | 6.176              | 0.00         | 148.013                | 5.472              | 27.05        |
| NEC             | ALL           | 0.784                  | 0.233              | 3.37         | 0.517                  | 0.197              | 3.37         | 0.036                  | 0.165              | 3.37         |
| <b>CIL</b>      | <b>ALL</b>    | <b>606.887</b>         | <b>69.982</b>      | <b>8.67</b>  | <b>602.129</b>         | <b>62.431</b>      | <b>9.64</b>  | <b>596.221</b>         | <b>57.791</b>      | <b>10.32</b> |
| <b>SCCL</b>     | <b>ALL</b>    | <b>64.044</b>          | <b>9.464</b>       | <b>6.77</b>  | <b>64.044</b>          | <b>8.783</b>       | <b>7.29</b>  | <b>50.580</b>          | <b>7.440</b>       | <b>5.62</b>  |

Table 3.25: State Wise Production of Raw Coal by Type of Mines in Last Three Years

(Qty. in MT)

| States           | 2018-19        |               |                | 2019-20        |               |                | 2020-21        |               |                |
|------------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|---------------|----------------|
|                  | Open Cast      | Under Ground  | Total          | Open Cast      | Under Ground  | Total          | Open Cast      | Under Ground  | Total          |
| (1)              | (2)            | (3)           | (4)            | (5)            | (6)           | (7)            | (8)            | (9)           | (10)           |
| Assam            | 0.784          |               | <b>0.784</b>   | 0.517          | 0.000         | <b>0.517</b>   | 0.036          | 0.000         | <b>0.036</b>   |
| Chhattisgarh     | 152.982        | 8.911         | <b>161.893</b> | 149.839        | 7.906         | <b>157.745</b> | 151.778        | 6.632         | <b>158.410</b> |
| Jammu & Kashmir  |                | 0.013         | <b>0.013</b>   | 0.000          | 0.014         | <b>0.014</b>   |                | 0.010         | <b>0.010</b>   |
| Jharkhand        | 131.542        | 3.124         | <b>134.666</b> | 128.288        | 3.475         | <b>131.763</b> | 121.077        | 2.351         | <b>123.428</b> |
| Maharashtra      | 47.795         | 2.023         | <b>49.818</b>  | 52.939         | 1.807         | <b>54.746</b>  | 46.092         | 1.343         | <b>47.435</b>  |
| Meghalaya        |                |               | <b>0.000</b>   |                |               | <b>0.000</b>   |                |               | <b>0.000</b>   |
| Madhya Pradesh   | 108.909        | 9.752         | <b>118.661</b> | 116.581        | 9.145         | <b>125.726</b> | 124.688        | 7.843         | <b>132.531</b> |
| Odisha           | 143.441        | 0.871         | <b>144.312</b> | 142.180        | 0.836         | <b>143.016</b> | 153.616        | 0.535         | <b>154.151</b> |
| Telangana        | 55.982         | 9.178         | <b>65.160</b>  | 57.018         | 8.685         | <b>65.703</b>  | 48.088         | 4.515         | <b>52.603</b>  |
| Uttar Pradesh    | 20.275         |               | <b>20.275</b>  | 18.030         |               | <b>18.030</b>  | 17.016         |               | <b>17.016</b>  |
| West Bengal      | 24.502         | 8.634         | <b>33.136</b>  | 24.816         | 8.798         | <b>33.614</b>  | 21.481         | 8.982         | <b>30.463</b>  |
| <b>All India</b> | <b>686.212</b> | <b>42.506</b> | <b>728.718</b> | <b>690.208</b> | <b>40.666</b> | <b>730.874</b> | <b>683.872</b> | <b>32.211</b> | <b>716.083</b> |

State Wise Raw Coal Production of Open Cast Mines in Last Three Years



State Wise Raw Coal Production of Under Ground Cast Mines in Last Three Years

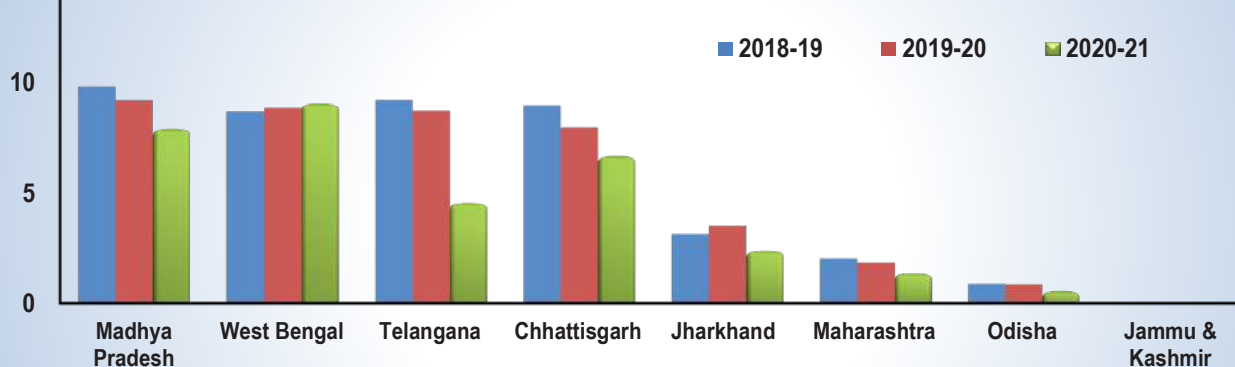


Table 3.26 : Captive Block Wise Production of Raw Coal During Last Three Years

(Qty. in MT)

| Block                     | Company | State          | 2018-19      |                 |               | 2019-20      |                 |               | 2020-21      |                 |               |
|---------------------------|---------|----------------|--------------|-----------------|---------------|--------------|-----------------|---------------|--------------|-----------------|---------------|
|                           |         |                | Coking Coal  | Non-Coking Coal | Total Coal    | Coking Coal  | Non-Coking Coal | Total Coal    | Coking Coal  | Non-Coking Coal | Total Coal    |
| (1)                       | (2)     | (3)            | (4)          | (5)             | (6)           | (7)          | (8)             | (9)           | (10)         | (11)            | (12)          |
| Gare Palma IV/2 & 3       | SECL    | Chhattisgarh   |              | 3.271           | 3.271         |              | 2.659           | 2.659         |              | 3.202           | 3.202         |
| Gare Palma IV/1           | SECL    | Chhattisgarh   |              | 1.681           | 1.681         |              | 0.762           | 0.762         |              | 0.000           | 0.000         |
| Parsa East & Kanta Basan  | RRVUNL  | Chhattisgarh   |              | 15.000          | 15.000        |              | 15.000          | 15.000        |              | 15.000          | 15.000        |
| Pakri Barwadih            | NTPC    | Jharkhand      |              | 6.810           | 6.810         |              | 9.421           | 9.421         |              | 7.069           | 7.069         |
| Dulanga                   | NTPC    | Odisha         |              | 0.501           | 0.501         |              | 1.540           | 1.540         |              | 3.124           | 3.124         |
| Tallipalli                | NTPC    | Chhattisgarh   |              |                 | 0.000         |              | 0.190           | 0.190         |              | 0.812           | 0.812         |
| Tasra                     | SAIL    | Jharkhand      |              |                 | 0.000         |              |                 | 0.000         |              | 0.000           | 0.000         |
| Barjora                   | WBPDC   | West Bengal    |              | 0.400           | 0.400         |              | 0.500           | 0.500         |              | 0.310           | 0.310         |
| Barjora North             | WBPDC   | West Bengal    |              |                 | 0.000         |              | 0.606           | 0.606         |              | 0.815           | 0.815         |
| Pachhwara North           | WBPDC   | Jharkhand      |              |                 | 0.000         |              | 1.006           | 1.006         |              | 4.133           | 4.133         |
| Gangaramchak Bhadulia     | WBPDC   | West Bengal    |              |                 |               |              |                 |               |              | 1.000           | 1.000         |
| Gare Palma Sector-III     | CSPGCL  | Chhattisgarh   |              |                 | 0.000         |              | 0.510           | 0.510         |              | 1.502           | 1.502         |
| Tadicherla                | TSPGCL  | Telangana      |              | 0.759           | 0.759         |              | 1.659           | 1.659         |              | 2.023           | 2.023         |
| Trans Damodar             | DPL     | West Bengal    |              |                 |               |              |                 |               |              | 0.067           | 0.067         |
| Talabira II & III         | NLCIL   | Odisha         |              |                 |               |              |                 |               |              | 1.013           | 1.013         |
| Manoharpur                | OCPL    | Odisha         |              |                 | 0.000         |              | 1.003           | 1.003         |              | 2.001           | 2.001         |
| <b>Total Public</b>       |         |                | <b>0.000</b> | <b>28.422</b>   | <b>28.422</b> | <b>0.000</b> | <b>34.856</b>   | <b>34.856</b> | <b>0.000</b> | <b>42.071</b>   | <b>42.071</b> |
| Gare Palma IV/4           | HIL     | Chhattisgarh   |              | 0.838           | 0.838         |              | 0.548           | 0.548         |              | 0.262           | 0.262         |
| Gare Palma IV/5           | HIL     | Chhattisgarh   |              | 0.537           | 0.537         |              | 0.126           | 0.126         |              | 0.000           | 0.000         |
| Kathautia                 | HIL     | Jharkhand      |              | 0.798           | 0.798         |              | 0.055           | 0.055         |              | 0.046           | 0.046         |
| Amelia North              | JPVL    | Madhya Pradesh |              | 2.800           | 2.800         |              | 2.800           | 2.800         |              | 2.800           | 2.800         |
| Belgaon                   | SIL     | Maharashtra    |              | 0.270           | 0.270         |              | 0.270           | 0.270         |              | 0.068           | 0.068         |
| Chotia II                 | BALCO   | Chhattisgarh   |              | 0.667           | 0.667         |              | 1.000           | 1.000         |              | 0.002           | 0.002         |
| Moher & Moher Amlori Extn | SPL     | Madhya Pradesh |              | 18.000          | 18.000        |              | 18.700          | 18.700        |              | 18.570          | 18.570        |
| Sarshatali                | CESC    | West Bengal    |              | 1.856           | 1.856         |              | 1.958           | 1.958         |              | 2.079           | 2.079         |
| Talabira I                | GMR     | Odisha         |              | 0.000           | 0.000         |              | 0.000           | 0.000         |              | 0.000           | 0.000         |
| Sial Ghogri               | RCCPL   | Madhya Pradesh |              | 0.103           | 0.103         |              | 0.182           | 0.182         |              | 0.172           | 0.172         |
| Marki Mangli I            | TUML    | Maharashtra    |              | 0.300           | 0.300         |              | 0.286           | 0.286         |              | 0.112           | 0.112         |
| Ardhagram                 | OCL     | Odisha         |              | 0.161           | 0.161         |              | 0.115           | 0.115         |              | 0.000           | 0.000         |
| Gare Palma IV/8           | AMBUJA  | Chhattisgarh   |              | 0.100           | 0.100         |              | 0.400           | 0.400         |              | 0.169           | 0.169         |
| <b>Total Private</b>      |         |                | <b>0.000</b> | <b>26.430</b>   | <b>26.430</b> | <b>0.000</b> | <b>26.440</b>   | <b>26.440</b> | <b>0.000</b> | <b>24.280</b>   | <b>24.280</b> |
| <b>Grand Total</b>        |         |                | <b>0.000</b> | <b>54.852</b>   | <b>54.852</b> | <b>0.000</b> | <b>61.296</b>   | <b>61.296</b> | <b>0.000</b> | <b>66.351</b>   | <b>66.351</b> |

4

## Despatch & Off-take



## Section IV

### 4.1 Despatch & Off-take

**4.1.1** In 2020-21, despatch of raw coal was 690.884 MT, against 707.176 MT in 2019-20, thus a decline of 2.30% over 2019-20 can be observed.

**4.1.2** Statement 4.10 shows despatch of raw coal (coking and non-coking) by public and private sector in 2020-21.

| Statement 4.10: Despatch of Raw Coal |                              |                |                |
|--------------------------------------|------------------------------|----------------|----------------|
| Company                              | Coal Despatch (2020-21) [MT] |                |                |
|                                      | Coking                       | Non-Coking     | Total          |
| ECL                                  | 0.018                        | 41.844         | 41.862         |
| BCCL                                 | 22.112                       | 1.057          | 23.169         |
| CCL                                  | 15.473                       | 49.927         | 65.400         |
| NCL                                  |                              | 108.644        | 108.644        |
| WCL                                  | 0.184                        | 49.504         | 49.688         |
| SECL*                                | 0.271                        | 138.497        | 138.768        |
| MCL                                  |                              | 146.007        | 146.007        |
| NEC                                  |                              | 0.090          | 0.090          |
| CIL                                  | 38.058                       | 535.570        | 573.628        |
| SCCL                                 |                              | 48.513         | 48.513         |
| Other Public                         | 0.092                        | 38.912         | 39.004         |
| <b>Total Public</b>                  | <b>38.150</b>                | <b>622.995</b> | <b>661.145</b> |
| <b>Total Private</b>                 | <b>5.850</b>                 | <b>23.889</b>  | <b>29.739</b>  |
| <b>All India</b>                     | <b>44.000</b>                | <b>646.884</b> | <b>690.884</b> |

\*SECL Includes GP-IV/1 and GP-IV/2&3 coal blocks.

It can be seen that Coal India Limited accounted for 83.03% of coal despatch in the country. The share of SCCL in the coal despatch was 7.02% and the contribution of private sector was 4.30%. In the CIL group, the major share in despatch was MCL (21.13%),

SECL (20.09%), and NCL (15.73%). These three companies collectively accounted for 56.95% of the raw coal despatch at all India level.

**4.1.3** Concept of despatch and off-take has been explained in Section 1. In Statement 4.11, despatch and off-take of raw coal in 2020-21, has been shown.

| Statement 4.11: Despatch and Off-take of Raw Coal in India in 2020-21 by Company [MT] |                |                |
|---------------------------------------------------------------------------------------|----------------|----------------|
| Company                                                                               | Raw Coal       |                |
|                                                                                       | Despatch       | Off-take       |
| ECL                                                                                   | 41.862         | 42.039         |
| BCCL                                                                                  | 23.169         | 23.174         |
| CCL                                                                                   | 65.400         | 65.400         |
| NCL                                                                                   | 108.644        | 108.644        |
| WCL                                                                                   | 49.688         | 49.692         |
| SECL*                                                                                 | 138.768        | 138.777        |
| MCL                                                                                   | 146.007        | 146.009        |
| NEC                                                                                   | 0.090          | 0.090          |
| CIL                                                                                   | 573.628        | 573.825        |
| SCCL                                                                                  | 48.513         | 48.513         |
| Other Public                                                                          | 39.004         | 39.004         |
| <b>Total Public</b>                                                                   | <b>661.145</b> | <b>661.342</b> |
| <b>Total Private</b>                                                                  | <b>29.739</b>  | <b>29.739</b>  |
| <b>All India</b>                                                                      | <b>690.884</b> | <b>691.081</b> |

\*SECL Includes GP-IV/1 and GP-IV/2&3 coal blocks.

**4.1.4** Statement 4.12 shows despatch of washed coal and middlings in 2020-21 by different companies. It may be observed that share of public sector in washed coal was 83.45% and middling was 67.62%.

**Statement 4.12: Despatch of Washed Coal and Middlings in 2020-21 (MT)**

| Company        | Washed coal   | Middlings    |
|----------------|---------------|--------------|
| BCCL           | 0.755         | 1.079        |
| CCL            | 5.873         | 0.732        |
| IISCO          | 0.595         | 0.442        |
| RRVUNL         | 12.327        |              |
| <b>Public</b>  | <b>19.550</b> | <b>2.253</b> |
| TSL            | 3.119         | 1.079        |
| CESC           | 0.755         |              |
| <b>Private</b> | <b>3.874</b>  | <b>1.079</b> |
| <b>Total</b>   | <b>23.424</b> | <b>3.332</b> |

**4.1.5 Statement 4.23** shows details on despatch and off-take of raw coal to different sectors of the industry in the country during 2020-21. It may be seen that out of total despatch to different sector, maximum share was of power utility 76.65% and power captive 6.63%. The share of steel, cement, sponge Iron etc. are shown in the statement.

**Statement 4.23: Despatch of Raw Coal in India in 2020-21 to different sectors [MT]**

| Sector                | Despatch & Off-take [MT] |
|-----------------------|--------------------------|
| Power (Utility)       | 528.945                  |
| Power (Captive)       | 45.786                   |
| Steel                 | 8.975                    |
| Cement                | 6.754                    |
| Sponge Iron           | 9.565                    |
| Fertilizers           | 1.527                    |
| Pulp & Paper          | 1.045                    |
| Other Basic Metal     | 0.683                    |
| Chemical              | 0.158                    |
| Textiles & Rayons     | 0.080                    |
| Bricks                | 0.025                    |
| Others                | 80.839                   |
| <b>Total Despatch</b> | <b>690.884</b>           |
| Colliery Consumption  | 0.197                    |
| <b>Total Off-take</b> | <b>690.081</b>           |

**4.1.6 Statement 4.23** shows that out of total despatch of lignite in 2020-21, share of despatch to power utility was 38.90% and power captive 46.67%.

**Statement 4.23: Despatch of Lignite in India in 2020-21 to different sectors [MT]**

| Sector                | Despatch & Off-take [MT] |
|-----------------------|--------------------------|
| Power (Utility)       | 14.973                   |
| Power (Captive)       | 17.964                   |
| Steel                 | 0.024                    |
| Cement                | 0.811                    |
| Sponge Iron           | 0.014                    |
| Pulp & Paper          | 0.566                    |
| Chemical              | 0.365                    |
| Textiles & Rayons     | 0.290                    |
| Bricks                | 0.428                    |
| Others                | 3.071                    |
| <b>Total Despatch</b> | <b>38.492</b>            |
| Colliery Consumption  | 0.000                    |
| <b>Total Off-take</b> | <b>38.492</b>            |

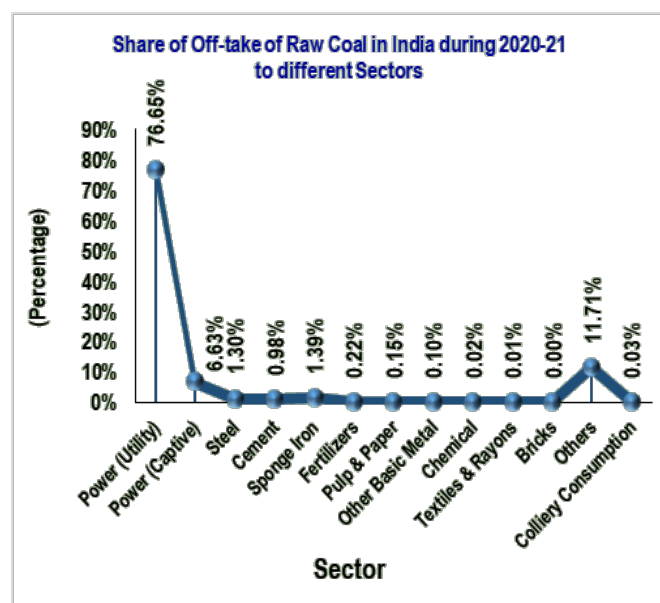


Chart 4.1 : Despatch of Raw Coal from different State During Last Three Years

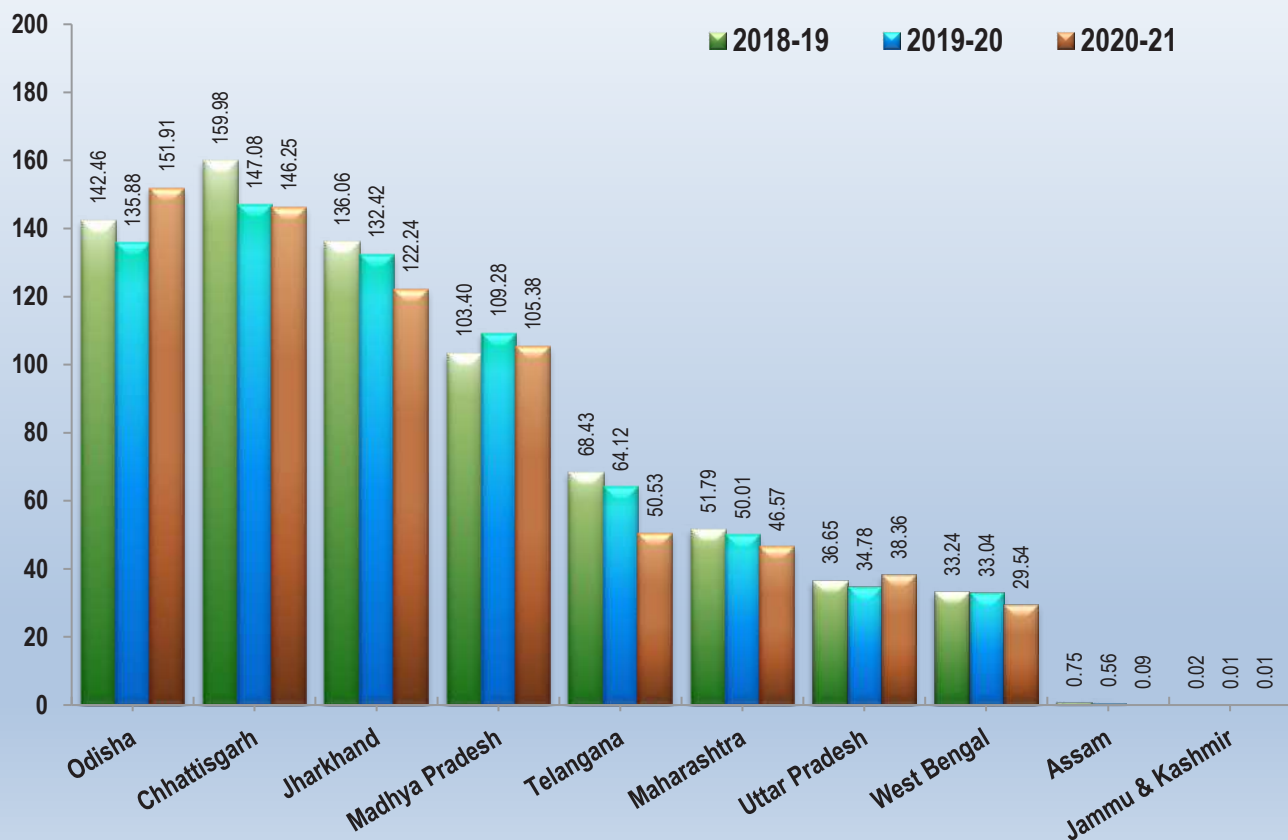


Chart 4.2 : Despatch of Raw Coal from different Companies During Last Three Years

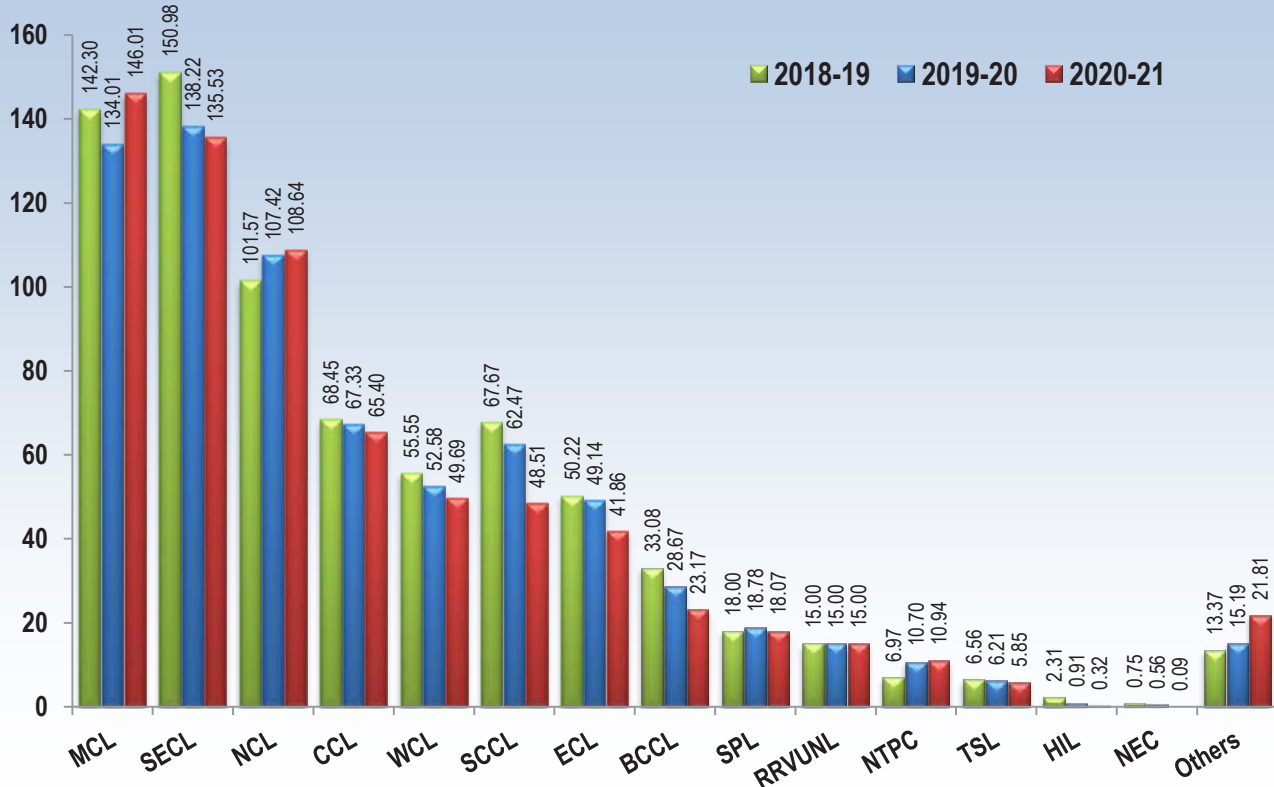


Chart 4.3: Sector Wise Despatch of Raw Coal from different Companies in 2020-21

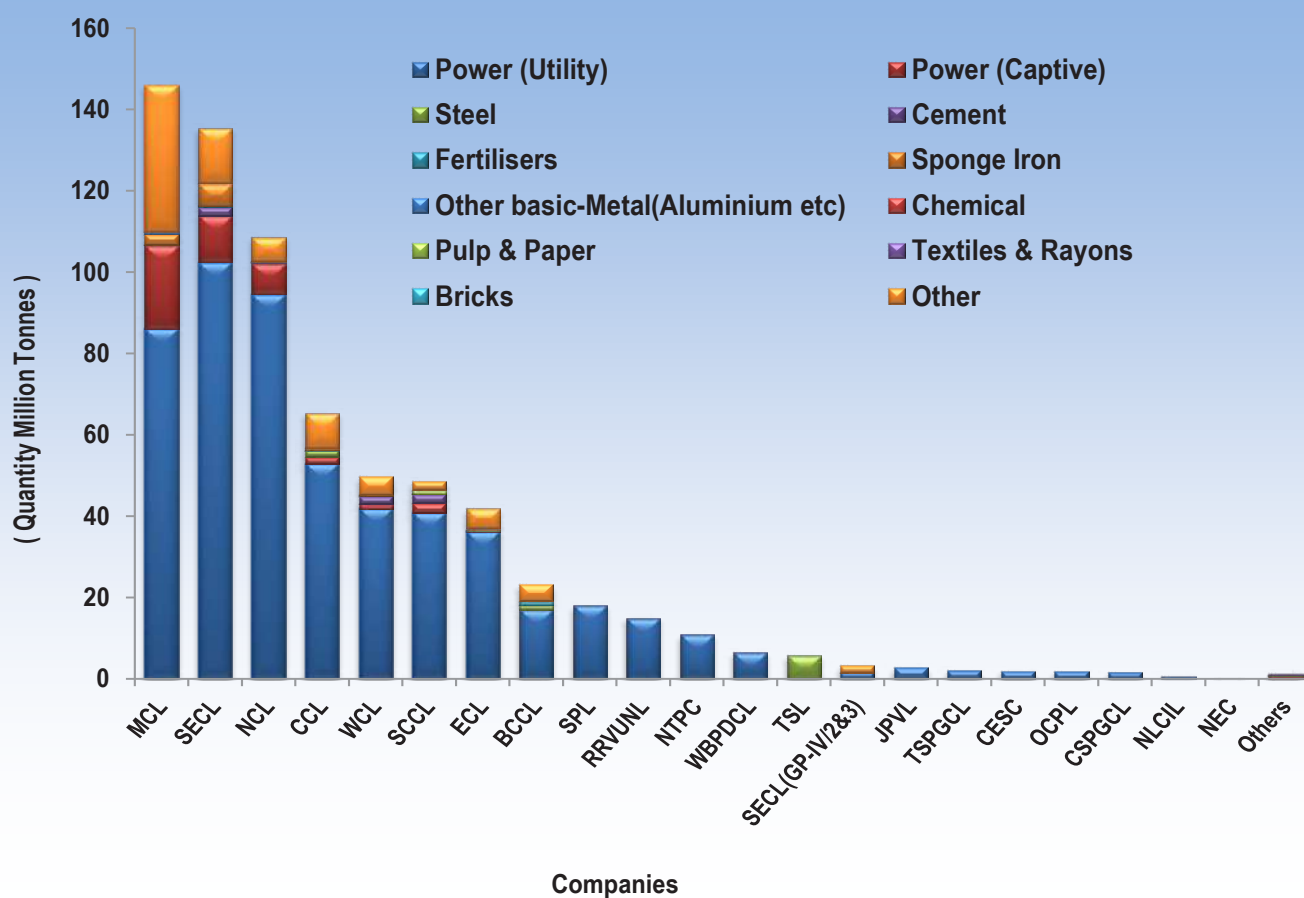


Chart 4.4: Grade Wise Raw Coal Despatch During 2020-21

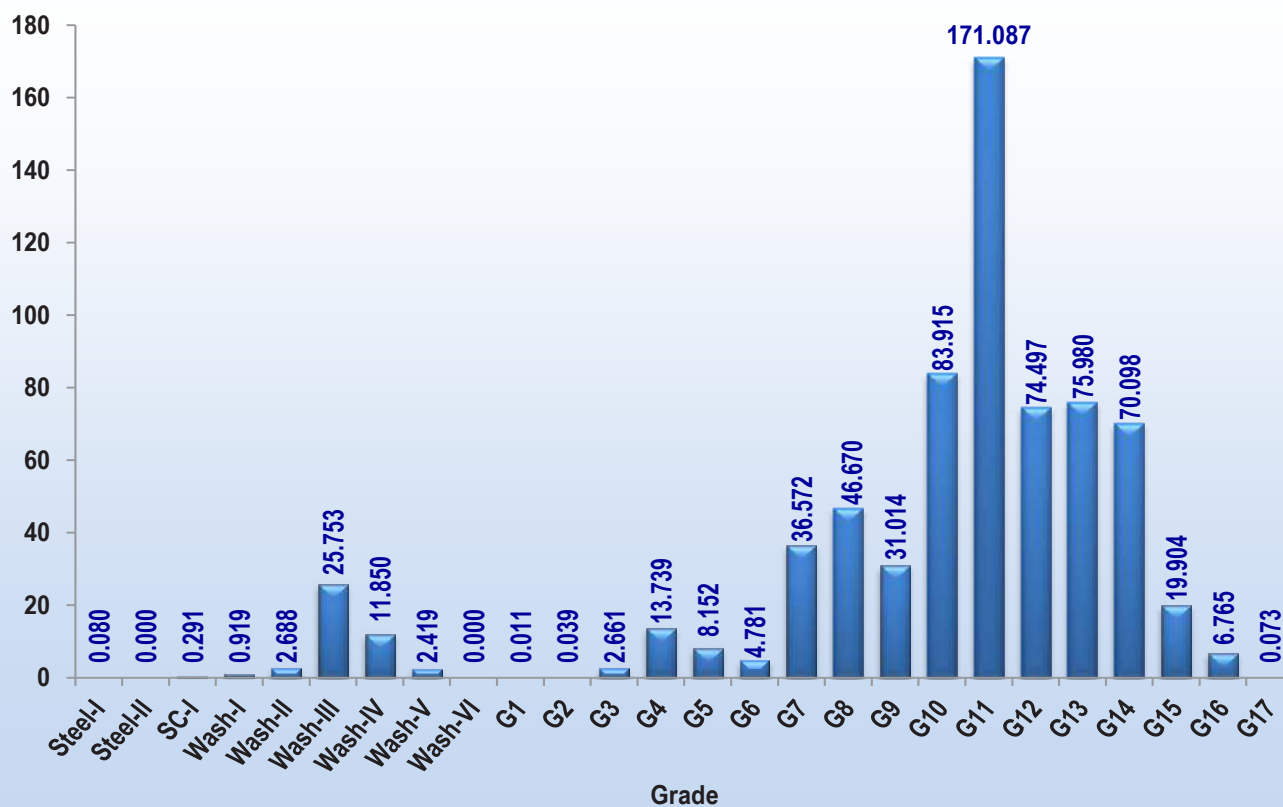
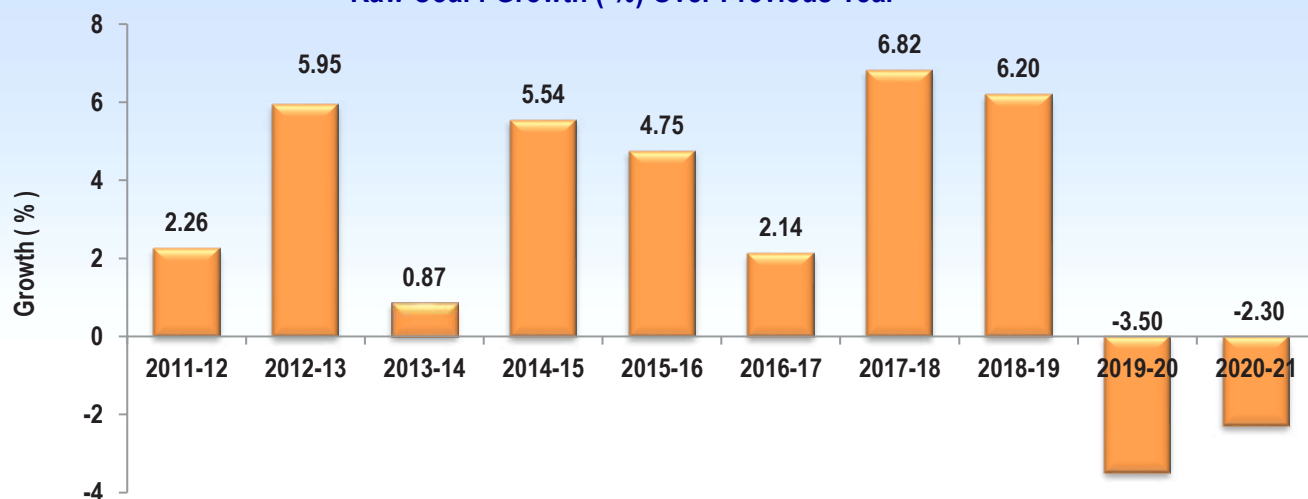


Table 4.1: Trend of Despatch of Raw Coal and Lignite during Last Ten Years

(Qty. in MT)

| Year    | Raw coal |                                      |                               | Lignite  |                                      |                               | Total Solid Fossil Fuel |                               |
|---------|----------|--------------------------------------|-------------------------------|----------|--------------------------------------|-------------------------------|-------------------------|-------------------------------|
|         | Despatch | Share in Total Solid Fossil Fuel (%) | Change Over Previous Year (%) | Despatch | Share in Total Solid Fossil Fuel (%) | Change Over Previous Year (%) | Despatch                | Change Over Previous Year (%) |
| (1)     | (2)      | (3)                                  | (4)                           | (5)      | (6)                                  | (7)                           | (8)                     | (9)                           |
| 2011-12 | 535.299  | 92.74                                | 2.26                          | 41.883   | 7.26                                 | 11.14                         | 577.182                 | 2.86                          |
| 2012-13 | 567.136  | 92.45                                | 5.95                          | 46.313   | 7.55                                 | 10.58                         | 613.449                 | 6.28                          |
| 2013-14 | 572.060  | 92.87                                | 0.87                          | 43.897   | 7.13                                 | -5.22                         | 615.957                 | 0.41                          |
| 2014-15 | 603.772  | 92.78                                | 5.54                          | 46.954   | 7.22                                 | 6.96                          | 650.726                 | 5.64                          |
| 2015-16 | 632.442  | 93.74                                | 4.75                          | 42.211   | 6.26                                 | -10.10                        | 674.653                 | 3.68                          |
| 2016-17 | 645.978  | 93.93                                | 2.14                          | 43.155   | 6.28                                 | 2.24                          | 687.716                 | 1.94                          |
| 2017-18 | 690.003  | 93.71                                | 6.82                          | 46.317   | 6.29                                 | 7.33                          | 736.320                 | 7.07                          |
| 2018-19 | 732.794  | 94.12                                | 6.20                          | 45.810   | 5.88                                 | -1.09                         | 778.604                 | 5.74                          |
| 2019-20 | 707.176  | 94.36                                | -3.50                         | 42.267   | 5.64                                 | -7.73                         | 749.443                 | -3.75                         |
| 2020-21 | 690.884  | 94.72                                | -2.30                         | 38.492   | 5.28                                 | -8.93                         | 729.376                 | -2.68                         |

Raw Coal : Growth ( %) Over Previous Year



Lignite: Growth ( %) Over Previous Year

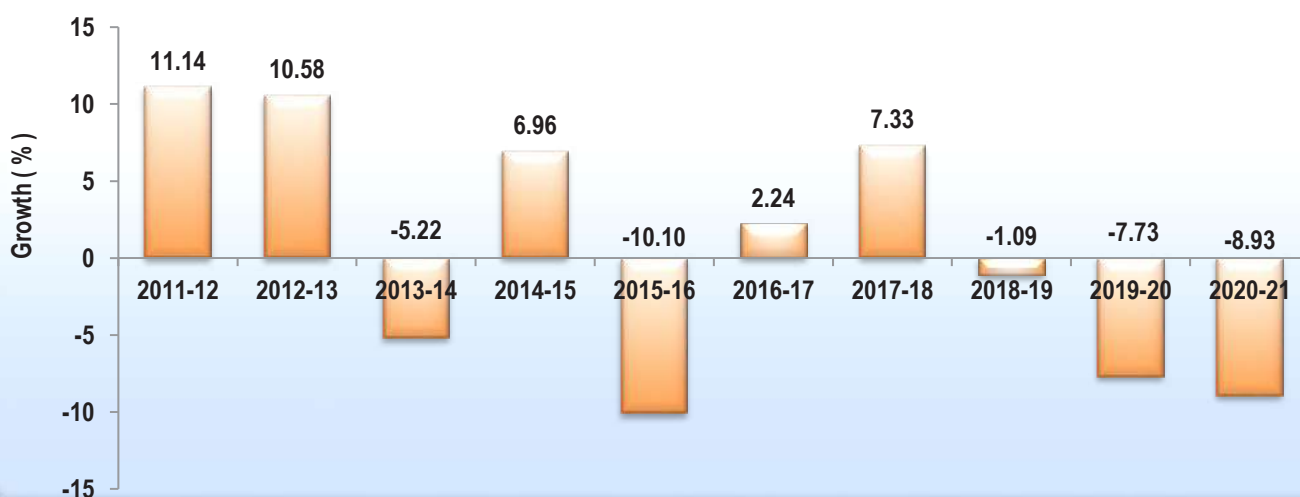
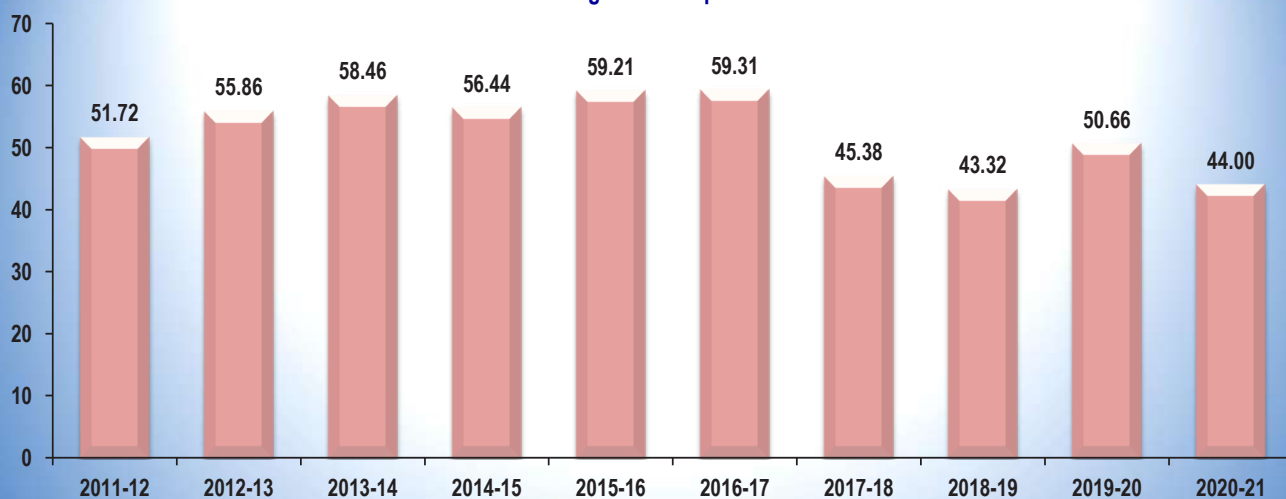


Table 4.2: Trend of Despatch of Different Types of Raw Coal During Last Ten Years

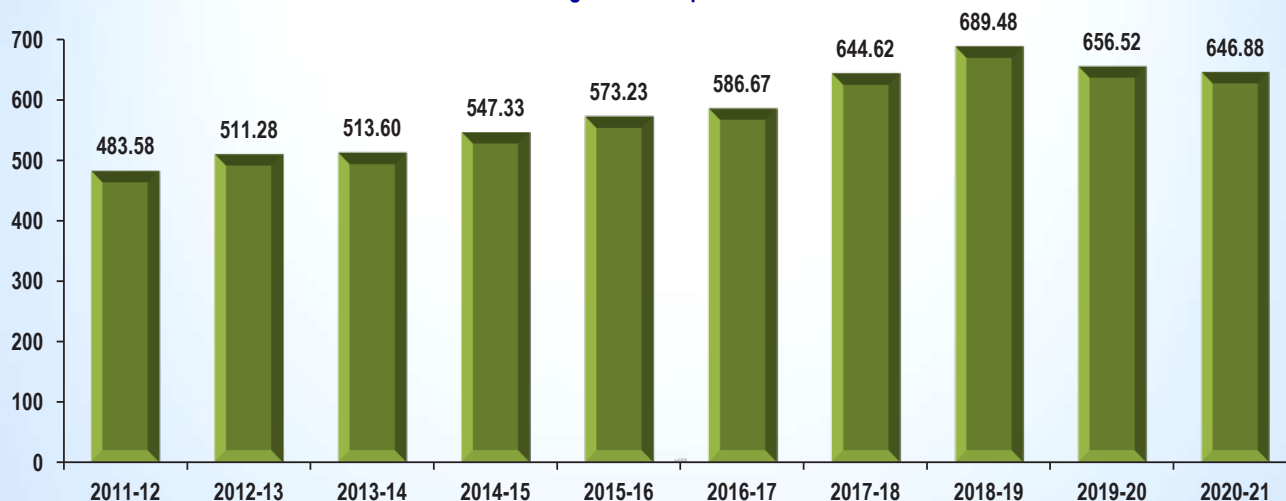
(Qty. in MT)

| Year    | Coking Coal        |                                |                               |                        |                                |                               |                   |                             |                               | Non Coking Coal |                             |                               | Raw Coal |                               |
|---------|--------------------|--------------------------------|-------------------------------|------------------------|--------------------------------|-------------------------------|-------------------|-----------------------------|-------------------------------|-----------------|-----------------------------|-------------------------------|----------|-------------------------------|
|         | Metallurgical Coal |                                |                               | Non Metallurgical Coal |                                |                               | Total Coking Coal |                             |                               | Despatch        | Share in Total Raw Coal (%) | Change Over Previous Year (%) | Despatch | Change Over Previous Year (%) |
|         | Despatch           | Share in Total Coking Coal (%) | Change Over Previous Year (%) | Despatch               | Share in Total Coking Coal (%) | Change Over Previous Year (%) | Despatch          | Share in Total Raw Coal (%) | Change Over Previous Year (%) |                 |                             |                               |          |                               |
| (1)     | (2)                | (3)                            | (4)                           | (5)                    | (6)                            | (7)                           | (8)               | (9)                         | (10)                          | (11)            | (12)                        | (13)                          | (14)     | (15)                          |
| 2011-12 | 15.903             | 30.75                          | -1.07                         | 35.820                 | 69.25                          | 8.96                          | 51.723            | 9.66                        | 5.66                          | 483.576         | 90.34                       | 1.91                          | 535.299  | 2.26                          |
| 2012-13 | 14.799             | 26.49                          | -6.94                         | 41.060                 | 73.51                          | 14.63                         | 55.859            | 9.85                        | 8.00                          | 511.277         | 90.15                       | 5.73                          | 567.136  | 5.95                          |
| 2013-14 | 15.236             | 26.06                          | 2.95                          | 43.228                 | 73.94                          | 5.28                          | 58.464            | 10.22                       | 4.66                          | 513.596         | 89.78                       | 0.45                          | 572.060  | 0.87                          |
| 2014-15 | 13.264             | 23.50                          | -12.94                        | 43.174                 | 76.50                          | -0.12                         | 56.438            | 9.35                        | -3.47                         | 547.334         | 90.65                       | 6.57                          | 603.772  | 5.54                          |
| 2015-16 | 13.866             | 23.42                          | 4.54                          | 45.347                 | 76.58                          | 5.03                          | 59.213            | 9.36                        | 4.92                          | 573.229         | 90.64                       | 4.73                          | 632.442  | 4.75                          |
| 2016-17 | 14.039             | 23.67                          | 1.25                          | 45.269                 | 76.33                          | -0.17                         | 59.308            | 9.18                        | 0.16                          | 586.670         | 90.82                       | 2.34                          | 645.978  | 2.14                          |
| 2017-18 | 34.199             | 75.36                          | 143.60                        | 11.181                 | 24.64                          | -75.30                        | 45.380            | 6.58                        | -23.48                        | 644.623         | 93.42                       | 9.88                          | 690.003  | 6.82                          |
| 2018-19 | 35.255             | 81.39                          | 3.09                          | 8.063                  | 18.61                          | -27.89                        | 43.318            | 5.91                        | -4.54                         | 689.476         | 94.09                       | 6.96                          | 732.794  | 6.20                          |
| 2019-20 | 34.784             | 68.67                          | -1.34                         | 15.872                 | 31.33                          | 96.85                         | 50.656            | 7.16                        | 16.94                         | 656.520         | 92.84                       | -4.78                         | 707.176  | -3.50                         |
| 2020-21 | 29.569             | 67.20                          | -14.99                        | 14.431                 | 32.80                          | -9.08                         | 44.000            | 6.37                        | -13.14                        | 646.884         | 93.63                       | -1.47                         | 690.884  | -2.30                         |

Coking Coal : Despatch



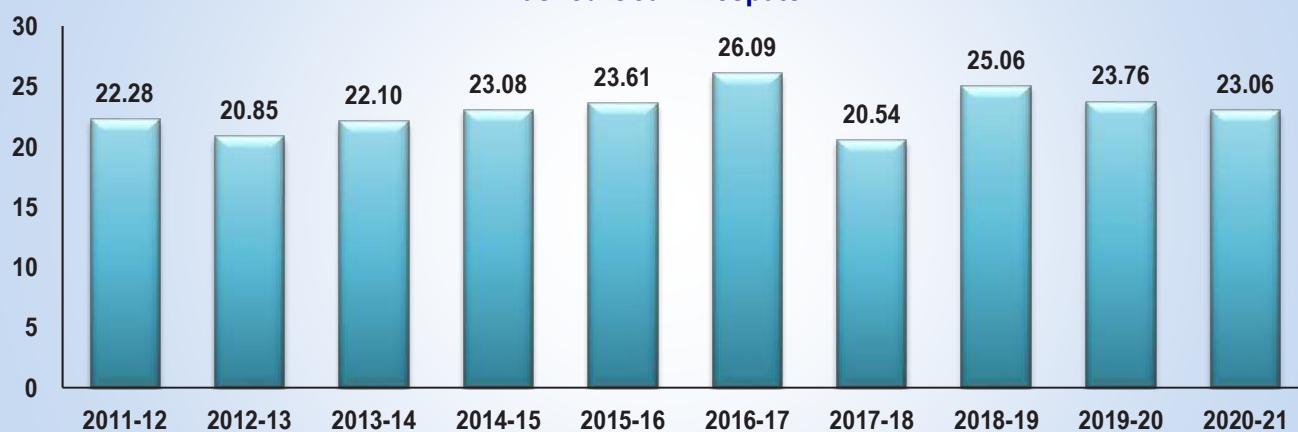
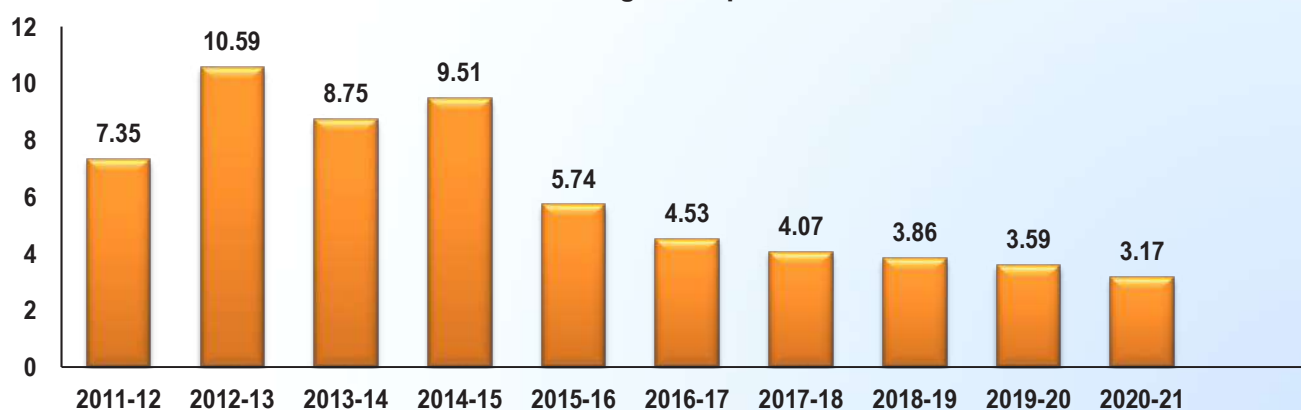
Non Coking Coal : Despatch



**Table 4.3: Trend of Despatch of Different Types of Coal Products in Last Ten Years**

(Qty. in MT)

| Year    | Washed Coal (Coking) |                                         | Washed Coal (N-Coking) |                                         | Middlings (Coking) |                                         | Middlings (N-Coking) |                                         | Hard Coke |                                         |
|---------|----------------------|-----------------------------------------|------------------------|-----------------------------------------|--------------------|-----------------------------------------|----------------------|-----------------------------------------|-----------|-----------------------------------------|
|         | Despatch             | Percentage of change over previous year | Despatch               | Percentage of change over previous year | Despatch           | Percentage of change over previous year | Despatch             | Percentage of change over previous year | Despatch  | Percentage of change over previous year |
| (1)     | (2)                  | (3)                                     | (4)                    | (5)                                     | (6)                | (7)                                     | (8)                  | (9)                                     | (10)      | (11)                                    |
| 2011-12 | 6.532                | -4.70                                   | 15.751                 | 8.35                                    | 3.802              | -15.59                                  | 3.545                | -6.46                                   | 12.340    | -1.64                                   |
| 2012-13 | 6.614                | 1.26                                    | 14.237                 | -9.61                                   | 5.403              | 42.11                                   | 5.184                | 46.23                                   | 12.429    | 0.72                                    |
| 2013-14 | 6.645                | 0.47                                    | 15.454                 | 8.55                                    | 4.894              | -9.42                                   | 3.854                | -25.66                                  | 12.707    | 2.24                                    |
| 2014-15 | 6.080                | -8.50                                   | 16.998                 | 9.99                                    | 5.012              | 2.41                                    | 4.493                | 16.58                                   | 13.954    | 9.81                                    |
| 2015-16 | 6.068                | -0.20                                   | 17.544                 | 3.21                                    | 5.735              | 14.43                                   | 0.000                | -                                       | 13.673    | -2.01                                   |
| 2016-17 | 6.515                | 7.37                                    | 19.579                 | 11.60                                   | 4.525              | -21.10                                  | 0.000                | -                                       | 12.554    | -8.18                                   |
| 2017-18 | 5.778                | -11.31                                  | 14.763                 | -24.60                                  | 4.071              | -10.03                                  | 0.000                | -                                       | 12.414    | -1.12                                   |
| 2018-19 | 5.551                | -3.93                                   | 19.513                 | 32.18                                   | 3.856              | -5.28                                   | 0.000                | -                                       | 11.646    | -6.19                                   |
| 2019-20 | 5.305                | -4.43                                   | 18.456                 | -5.42                                   | 3.591              | -6.87                                   | 0.000                | -                                       | 14.872    | 27.70                                   |
| 2020-21 | 4.458                | -15.97                                  | 18.600                 | 0.78                                    | 3.168              | -11.78                                  | 0.006                | -                                       | 14.027    | -5.68                                   |

**Washed Coal : Despatch****Middlings : Despatch**

Note:

1. The above figures relates to Washeries (public & private) of only coal producing companies.
2. Data of Hard Coke relate to steel plants only. There are Private sector, specially in small scale sector, data of which are not readily available.

**Table 4.4 : Quarterly Despatch of Different Types of Raw Coal and Lignite in Last Three Years****(Qty. in MT)**

| Year & Quarter | Coking Coal   |              |              | Non Coking Coal |             |              | Raw Coal       |             |              | Lignite       |             |              |
|----------------|---------------|--------------|--------------|-----------------|-------------|--------------|----------------|-------------|--------------|---------------|-------------|--------------|
|                | Desp.         | Growth %     | Share %      | Desp.           | Growth %    | Share %      | Desp.          | Growth %    | Share %      | Desp.         | Growth %    | Share %      |
| (1)            | (2)           | (3)          | (4)          | (5)             | (6)         | (7)          | (8)            | (9)         | (10)         | (11)          | (12)        | (13)         |
| <b>2018-19</b> |               |              |              |                 |             |              |                |             |              |               |             |              |
| April-June     | 10.510        | -14.5        | 24.3         | 173.242         | 14.4        | 25.1         | <b>183.752</b> | 12.2        | 25.1         | 12.399        | 0.9         | 27.1         |
| July-Sept      | 10.967        | 8.2          | 25.3         | 152.771         | 4.3         | 22.2         | <b>163.738</b> | 4.5         | 22.3         | 9.141         | -4.9        | 20.0         |
| Oct-Dec        | 10.770        | -4.5         | 24.9         | 176.153         | 3.9         | 25.5         | <b>186.923</b> | 3.3         | 25.5         | 11.752        | -1.1        | 25.7         |
| Jan-Mar        | 11.071        | -5.1         | 25.6         | 187.310         | 5.8         | 27.2         | <b>198.381</b> | 5.1         | 27.1         | 12.518        | -0.2        | 27.3         |
| <b>Total</b>   | <b>43.318</b> | <b>-4.5</b>  | <b>100.0</b> | <b>689.476</b>  | <b>7.0</b>  | <b>100.0</b> | <b>732.794</b> | <b>6.2</b>  | <b>100.0</b> | <b>45.810</b> | <b>-1.1</b> | <b>100.0</b> |
| <b>2019-20</b> |               |              |              |                 |             |              |                |             |              |               |             |              |
| April-June     | 12.384        | 17.8         | 24.4         | 172.857         | -0.2        | 26.3         | <b>185.241</b> | 0.8         | 26.2         | 11.614        | -6.3        | 27.5         |
| July-Sept      | 11.846        | 8.0          | 23.4         | 137.737         | -9.8        | 21.0         | <b>149.583</b> | -8.6        | 21.2         | 8.459         | -7.5        | 20.0         |
| Oct-Dec        | 12.595        | 16.9         | 24.9         | 161.799         | -8.1        | 24.6         | <b>174.394</b> | -6.7        | 24.7         | 10.230        | -13.0       | 24.2         |
| Jan-Mar        | 13.831        | 24.9         | 27.3         | 184.127         | -1.7        | 28.0         | <b>197.958</b> | -0.2        | 28.0         | 11.964        | -4.4        | 28.3         |
| <b>Total</b>   | <b>50.656</b> | <b>16.9</b>  | <b>100.0</b> | <b>656.520</b>  | <b>-4.8</b> | <b>100.0</b> | <b>707.176</b> | <b>-3.5</b> | <b>100.0</b> | <b>42.267</b> | <b>-7.7</b> | <b>100.0</b> |
| <b>2020-21</b> |               |              |              |                 |             |              |                |             |              |               |             |              |
| April-June     | 8.080         | -34.8        | 18.4         | 136.260         | -21.2       | 21.1         | <b>144.340</b> | -22.1       | 20.9         | 10.444        | -10.1       | 27.1         |
| July-Sept      | 12.449        | 5.1          | 28.3         | 146.016         | 6.0         | 22.6         | <b>158.465</b> | 5.9         | 22.9         | 6.865         | -18.8       | 17.8         |
| Oct-Dec        | 11.558        | -8.2         | 26.3         | 175.262         | 8.3         | 27.1         | <b>186.820</b> | 7.1         | 27.0         | 9.138         | -10.7       | 23.7         |
| Jan-Mar        | 11.913        | -13.9        | 27.1         | 189.346         | 2.8         | 29.3         | <b>201.259</b> | 1.7         | 29.1         | 12.046        | 0.7         | 31.3         |
| <b>Total</b>   | <b>44.000</b> | <b>-13.1</b> | <b>100.0</b> | <b>646.884</b>  | <b>-1.5</b> | <b>100.0</b> | <b>690.884</b> | <b>-2.3</b> | <b>100.0</b> | <b>38.493</b> | <b>-8.9</b> | <b>100.0</b> |

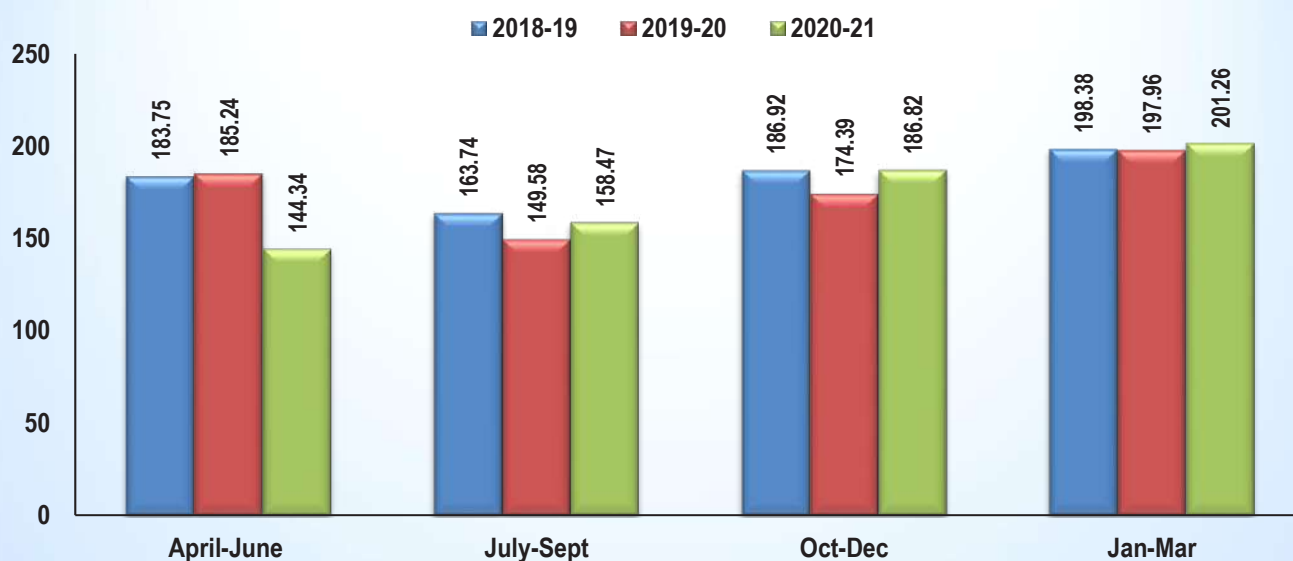
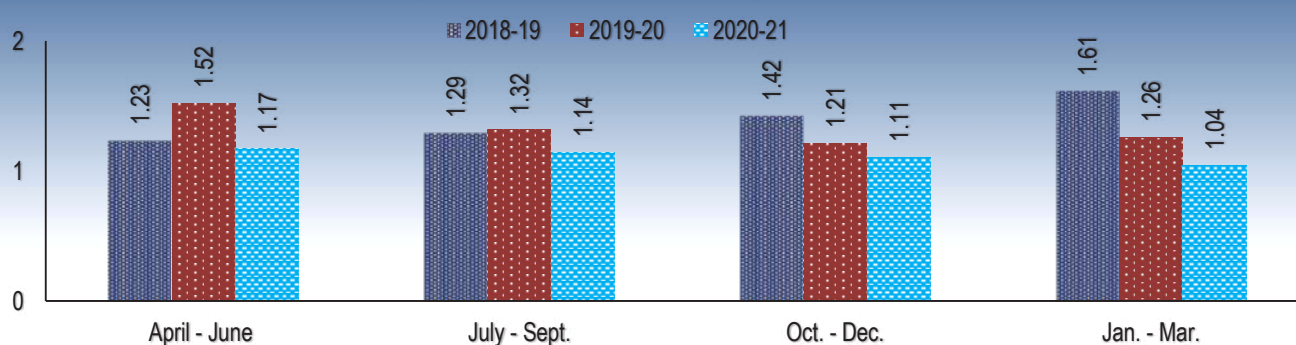
**Quarterly Despatch of Raw Coal in Last Three Years**

Table 4.5 : Quarterly Despatch of Different Types of Coal Products in Last Three Years

(Qty. in MT)

| Year and Quarter | Washed Coal (CKG) |              |              | Washed Coal (NCKG) |             |              | Middling (CKG) |              |              | Middling (NCKG) |            |              | Hard Coke     |             |              |
|------------------|-------------------|--------------|--------------|--------------------|-------------|--------------|----------------|--------------|--------------|-----------------|------------|--------------|---------------|-------------|--------------|
|                  | Desp.             | Growth %     | Share %      | Desp.              | Growth %    | Share %      | Desp.          | Growth %     | Share %      | Desp.           | Growth %   | Share %      | Desp.         | Growth %    | Share %      |
| (1)              | (2)               | (3)          | (4)          | (5)                | (6)         | (7)          | (8)            | (9)          | (10)         | (11)            | (12)       | (13)         | (14)          | (15)        | (16)         |
| <b>2018-19</b>   |                   |              |              |                    |             |              |                |              |              |                 |            |              |               |             |              |
| April - June     | 1.234             | -12.2        | 22.2         | 3.950              | 8.0         | 20.2         | 0.957          | -11.7        | 24.8         | 0               | -          | -            | 2.784         | -3.9        | 23.9         |
| July - Sept.     | 1.289             | -5.8         | 23.2         | 4.540              | 20.8        | 23.3         | 0.905          | -11.2        | 23.5         | 0               | -          | -            | 2.923         | -7.4        | 25.1         |
| Oct. - Dec.      | 1.419             | 4.2          | 25.6         | 5.132              | 45.3        | 26.3         | 0.940          | 4.4          | 24.4         | 0               | -          | -            | 2.944         | -6.5        | 25.3         |
| Jan. - Mar.      | 1.609             | -2.0         | 29.0         | 5.891              | 54.4        | 30.2         | 1.054          | -1.3         | 27.3         | 0               | -          | -            | 2.995         | -6.8        | 25.7         |
| <b>Total</b>     | <b>5.551</b>      | <b>-3.9</b>  | <b>100.0</b> | <b>19.513</b>      | <b>32.2</b> | <b>100.0</b> | <b>3.856</b>   | <b>-5.3</b>  | <b>100.0</b> | <b>0</b>        | <b>-</b>   | <b>-</b>     | <b>11.646</b> | <b>-6.2</b> | <b>100.0</b> |
| <b>2019-20</b>   |                   |              |              |                    |             |              |                |              |              |                 |            |              |               |             |              |
| April - June     | 1.520             | 23.2         | 28.7         | 4.350              | 10.1        | 23.6         | 1.069          | 11.7         | 29.8         | 0               | -          | -            | 3.963         | 42.3        | 26.6         |
| July - Sept.     | 1.315             | 2.0          | 24.8         | 3.693              | -18.7       | 20.0         | 0.927          | 2.4          | 25.8         | 0               | -          | -            | 3.784         | 29.5        | 25.4         |
| Oct. - Dec.      | 1.213             | -14.5        | 22.9         | 4.803              | -6.4        | 26.0         | 0.764          | -18.7        | 21.3         | 0               | -          | -            | 3.481         | 18.2        | 23.4         |
| Jan. - Mar.      | 1.257             | -21.9        | 23.7         | 5.610              | -4.8        | 30.4         | 0.831          | -21.2        | 23.1         | 0               | -          | -            | 3.644         | 21.7        | 24.5         |
| <b>Total</b>     | <b>5.305</b>      | <b>-4.4</b>  | <b>100.0</b> | <b>18.456</b>      | <b>-5.4</b> | <b>100.0</b> | <b>3.591</b>   | <b>-6.9</b>  | <b>100.0</b> | <b>0</b>        | <b>-</b>   | <b>-</b>     | <b>14.872</b> | <b>27.7</b> | <b>100.0</b> |
| <b>2020-21</b>   |                   |              |              |                    |             |              |                |              |              |                 |            |              |               |             |              |
| April - June     | 1.169             | -5.3         | 26.2         | 3.016              | -23.6       | 16.2         | 0.658          | -31.2        | 20.8         | 0.003           | 0.0        | 50.0         | 2.512         | -9.8        | 17.9         |
| July - Sept.     | 1.141             | -11.5        | 25.6         | 4.692              | 3.3         | 25.2         | 0.833          | -8.0         | 26.3         | 0.003           | 0.0        | 50.0         | 3.459         | 18.3        | 24.7         |
| Oct. - Dec.      | 1.105             | -22.1        | 24.8         | 5.357              | 4.4         | 28.8         | 0.870          | -7.4         | 27.5         | 0.000           | -          | -            | 3.995         | 35.7        | 28.5         |
| Jan. - Mar.      | 1.043             | -35.2        | 23.4         | 5.535              | -6.0        | 29.8         | 0.807          | -23.4        | 25.5         | 0.000           | -          | -            | 4.061         | 35.6        | 29.0         |
| <b>Total</b>     | <b>4.458</b>      | <b>-19.7</b> | <b>100.0</b> | <b>18.600</b>      | <b>-4.7</b> | <b>100.0</b> | <b>3.168</b>   | <b>-17.8</b> | <b>100.0</b> | <b>0.006</b>    | <b>0.0</b> | <b>100.0</b> | <b>14.027</b> | <b>20.4</b> | <b>100.0</b> |

Quarterly Despatch of Washed Coal (Coking) in Last Three Years



Quarterly Despatch of Middling (Coking) in Last Three Years

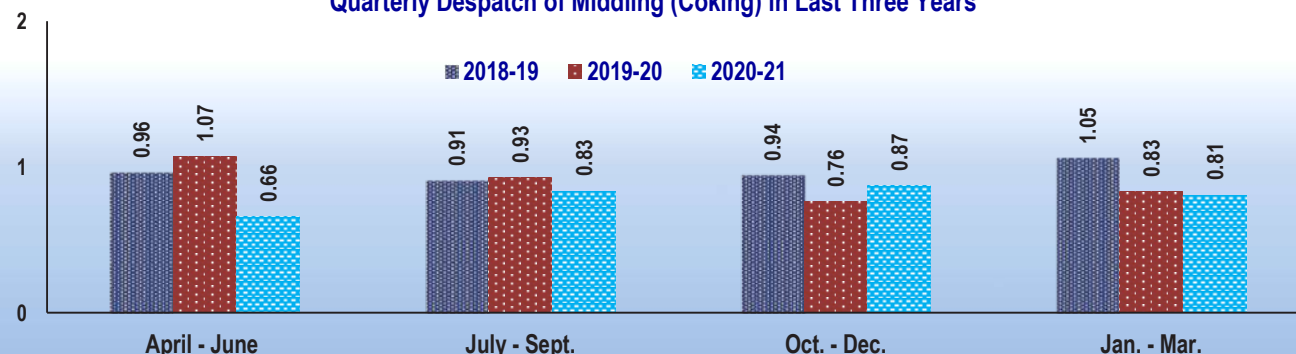
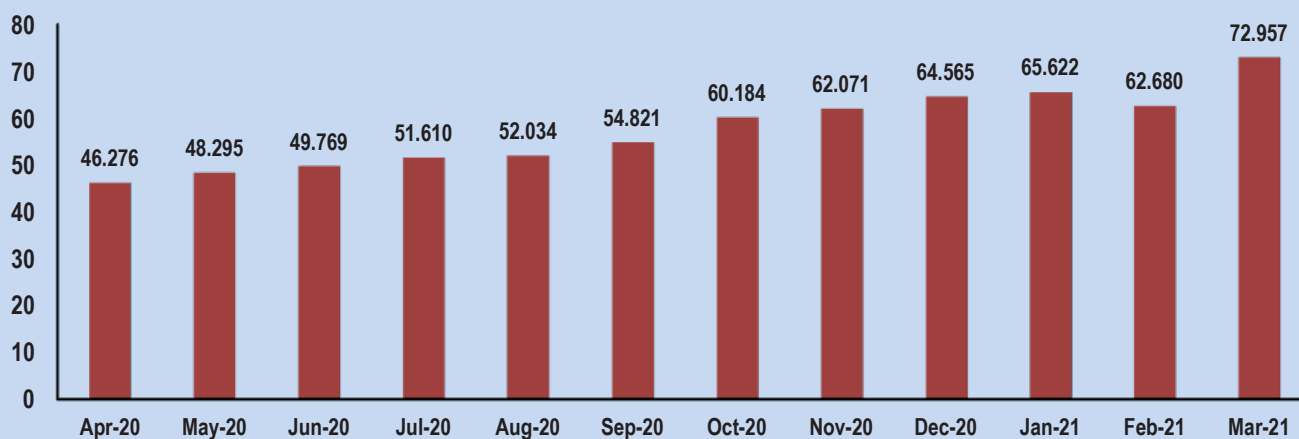


Table 4.6: Monthly Despatch of Different Types of Raw Coal and Lignite During 2020-21

(Qty. in MT)

| Month                   | Coking Coal |          |         | Non Coking Coal |          |         | Total Raw Coal |          |         | Lignite |          |         |
|-------------------------|-------------|----------|---------|-----------------|----------|---------|----------------|----------|---------|---------|----------|---------|
|                         | Desp.       | Growth % | Share % | Desp.           | Growth % | Share % | Desp.          | Growth % | Share % | Desp.   | Growth % | Share % |
| (1)                     | (2)         | (3)      | (4)     | (5)             | (6)      | (7)     | (8)            | (9)      | (10)    | (11)    | (12)     | (13)    |
| Apr-20                  | 2.214       | -44.2    | 5.03    | 44.062          | -24.8    | 6.81    | 46.276         | -26.0    | 6.70    | 3.384   | -18.9    | 8.79    |
| May-20                  | 2.710       | -32.0    | 6.16    | 45.585          | -22.8    | 7.05    | 48.295         | -23.4    | 6.99    | 3.639   | -9.3     | 9.45    |
| Jun-20                  | 3.156       | -28.7    | 7.17    | 46.613          | -15.6    | 7.21    | 49.769         | -16.6    | 7.20    | 3.421   | -0.3     | 8.89    |
| 1 <sup>st</sup> Quarter | 8.080       | -34.8    | 18.36   | 136.260         | -21.2    | 21.06   | 144.340        | -22.1    | 20.89   | 10.444  | -10.1    | 27.13   |
| Jul-20                  | 3.803       | -9.3     | 8.64    | 47.807          | -8.3     | 7.39    | 51.610         | -8.3     | 7.47    | 2.401   | -17.3    | 6.24    |
| Aug-20                  | 4.362       | 11.6     | 9.91    | 47.672          | 5.8      | 7.37    | 52.034         | 6.3      | 7.53    | 2.080   | -25.3    | 5.40    |
| Sep-20                  | 4.284       | 14.4     | 9.74    | 50.537          | 24.5     | 7.81    | 54.821         | 23.7     | 7.93    | 2.384   | -13.9    | 6.19    |
| 2 <sup>nd</sup> Quarter | 12.449      | 5.1      | 28.29   | 146.016         | 6.0      | 22.57   | 158.465        | 5.9      | 22.94   | 6.865   | -18.8    | 17.83   |
| Oct-20                  | 4.091       | 11.9     | 9.30    | 56.093          | 19.8     | 8.67    | 60.184         | 19.2     | 8.71    | 2.631   | -13.7    | 6.84    |
| Nov-20                  | 3.913       | -10.8    | 8.89    | 58.158          | 7.4      | 8.99    | 62.071         | 6.0      | 8.98    | 3.157   | -4.3     | 8.20    |
| Dec-20                  | 3.554       | -21.9    | 8.08    | 61.011          | 0.3      | 9.43    | 64.565         | -1.2     | 9.35    | 3.350   | -13.7    | 8.70    |
| 3 <sup>rd</sup> Quarter | 11.558      | -8.2     | 26.27   | 175.262         | 8.3      | 27.09   | 186.820        | 7.1      | 27.04   | 9.138   | -10.7    | 23.74   |
| Jan-21                  | 3.244       | -29.1    | 7.37    | 62.378          | -1.0     | 9.64    | 65.622         | -2.9     | 9.50    | 3.839   | -2.9     | 9.97    |
| Feb-21                  | 3.521       | -24.1    | 8.00    | 59.159          | -4.1     | 9.15    | 62.680         | -5.5     | 9.07    | 3.829   | -7.8     | 9.95    |
| Mar-21                  | 5.148       | 11.5     | 11.70   | 67.809          | 14.1     | 10.48   | 72.957         | 13.9     | 10.56   | 4.378   | 13.5     | 11.37   |
| 4 <sup>th</sup> Quarter | 11.913      | -13.9    | 27.08   | 189.346         | 2.8      | 29.27   | 201.259        | 1.7      | 29.13   | 12.046  | 0.7      | 31.29   |
| Yr. 2020-21             | 44.000      | -13.1    | 100.00  | 646.884         | -1.5     | 100.00  | 690.884        | -2.3     | 100.00  | 38.493  | -8.9     | 100.00  |

Month Wise Despatch of Raw Coal in 2020-21



Monthly Despatch of Lignite in 2020-21

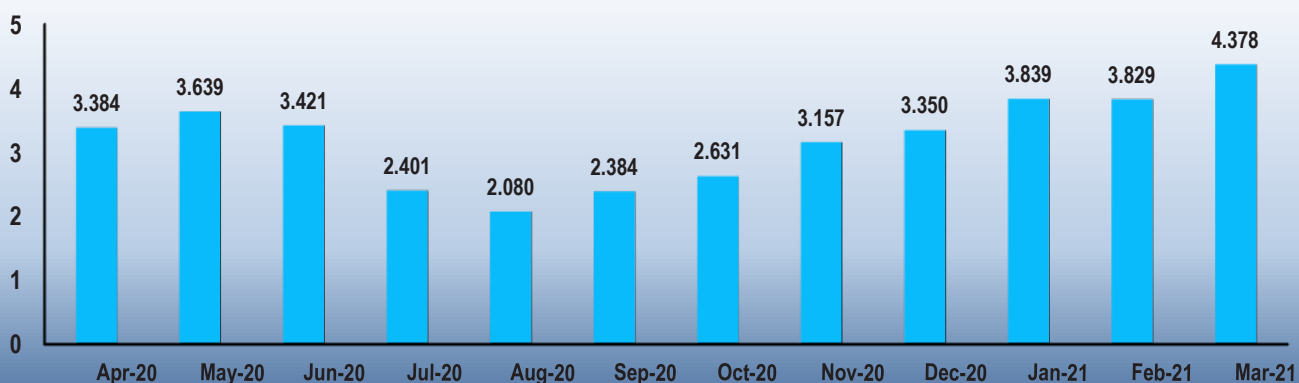
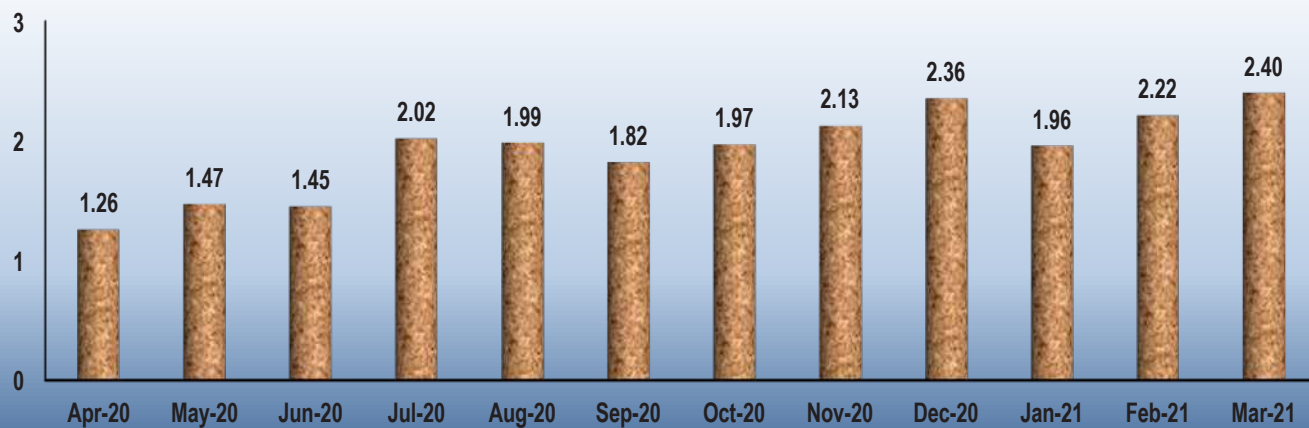


Table 4.7: Monthly Despatch of Different Types of Coal Products During 2019-20

(Qty. in MT)

| Month                   | Washed Coal (Ckg) |          |         | Washed Coal (Nckg) |          |         | Middlings (Ckg) |          |         | Middlings (Nckg) |          |         | Hard Coke |          |         |
|-------------------------|-------------------|----------|---------|--------------------|----------|---------|-----------------|----------|---------|------------------|----------|---------|-----------|----------|---------|
|                         | Desp.             | Growth % | Share % | Desp.              | Growth % | Share % | Desp.           | Growth % | Share % | Desp.            | Growth % | Share % | Desp.     | Growth % | Share % |
| (1)                     | (2)               | (3)      | (4)     | (5)                | (6)      | (7)     | (8)             | (9)      | (10)    | (11)             | (12)     | (13)    | (14)      | (15)     | (16)    |
| Apr-20                  | 0.365             | -28.1    | 8.19    | 0.895              | -17.8    | 4.81    | 0.199           | -39.3    | 6.28    | 0.000            | -        | -       | 0.836     | -35.8    | 5.96    |
| May-20                  | 0.410             | -20.8    | 9.20    | 1.063              | -35.5    | 5.72    | 0.205           | -48.8    | 6.47    | 0.002            | -        | -       | 0.815     | -40.1    | 5.81    |
| Jun-20                  | 0.394             | -20.2    | 8.84    | 1.058              | -34.4    | 5.69    | 0.254           | -25.5    | 8.02    | 0.001            | -        | -       | 0.861     | -33.8    | 6.14    |
| 1 <sup>st</sup> Quarter | 1.169             | -23.1    | 26.22   | 3.016              | -30.7    | 16.22   | 0.658           | -38.4    | 20.77   | 0.003            | -        | -       | 2.512     | -36.6    | 17.91   |
| Jul-20                  | 0.356             | -21.4    | 7.99    | 1.667              | 23.1     | 8.96    | 0.231           | -36.7    | 7.29    | 0.002            | -        | -       | 1.034     | -21.5    | 7.37    |
| Aug-20                  | 0.392             | -16.4    | 8.79    | 1.594              | 30.4     | 8.57    | 0.293           | -7.0     | 9.25    | 0.001            | -        | -       | 1.198     | -7.0     | 8.54    |
| Sep-20                  | 0.393             | 0.0      | 8.82    | 1.431              | 28.1     | 7.69    | 0.309           | 25.1     | 9.75    | 0.000            | -        | -       | 1.227     | 4.1      | 8.75    |
| 2 <sup>nd</sup> Quarter | 1.141             | -13.2    | 25.59   | 4.692              | 27.1     | 25.23   | 0.833           | -10.1    | 26.29   | 0.003            | -        | -       | 3.459     | -8.6     | 24.66   |
| Oct-20                  | 0.363             | -11.9    | 8.14    | 1.608              | -2.8     | 8.65    | 0.287           | 21.6     | 9.06    | 0.000            | -        | -       | 1.333     | 11.0     | 9.50    |
| Nov-20                  | 0.364             | -1.9     | 8.17    | 1.767              | 23.1     | 9.50    | 0.350           | 35.7     | 11.05   | 0.000            | -        | -       | 1.343     | 11.5     | 9.57    |
| Dec-20                  | 0.378             | -12.1    | 8.48    | 1.982              | 15.8     | 10.66   | 0.233           | -13.7    | 7.35    | 0.000            | -        | -       | 1.319     | 22.7     | 9.40    |
| 3 <sup>rd</sup> Quarter | 1.105             | -8.9     | 24.79   | 5.357              | 11.5     | 28.80   | 0.870           | 13.9     | 27.46   | 0.000            | -        | -       | 3.995     | 14.8     | 28.48   |
| Jan-21                  | 0.357             | -19.6    | 8.01    | 1.602              | -22.8    | 8.61    | 0.236           | -23.6    | 7.45    | 0.000            | -        | -       | 1.433     | 18.6     | 10.22   |
| Feb-21                  | 0.334             | -19.7    | 7.49    | 1.881              | 1.4      | 10.11   | 0.230           | -16.4    | 7.26    | 0.000            | -        | -       | 1.192     | 4.3      | 8.50    |
| Mar-21                  | 0.352             | -11.3    | 7.90    | 2.052              | 22.1     | 11.03   | 0.341           | 38.1     | 10.76   | 0.000            | -        | -       | 1.436     | 11.1     | 10.24   |
| 4 <sup>th</sup> Quarter | 1.043             | -17.0    | 23.40   | 5.535              | -1.3     | 29.76   | 0.807           | -2.9     | 25.47   | 0.000            | -        | -       | 4.061     | 11.4     | 28.95   |
| Yr. 2020-21             | 4.458             | -16.0    | 100.00  | 18.600             | 0.8      | 100.00  | 3.168           | -11.8    | 100.00  | 0.006            | -        | -       | 14.027    | -5.7     | 100.00  |

Month Wise Despatch of Washed Coal in 2020-21



Month Wise Despatch of Middlings in 2020-21

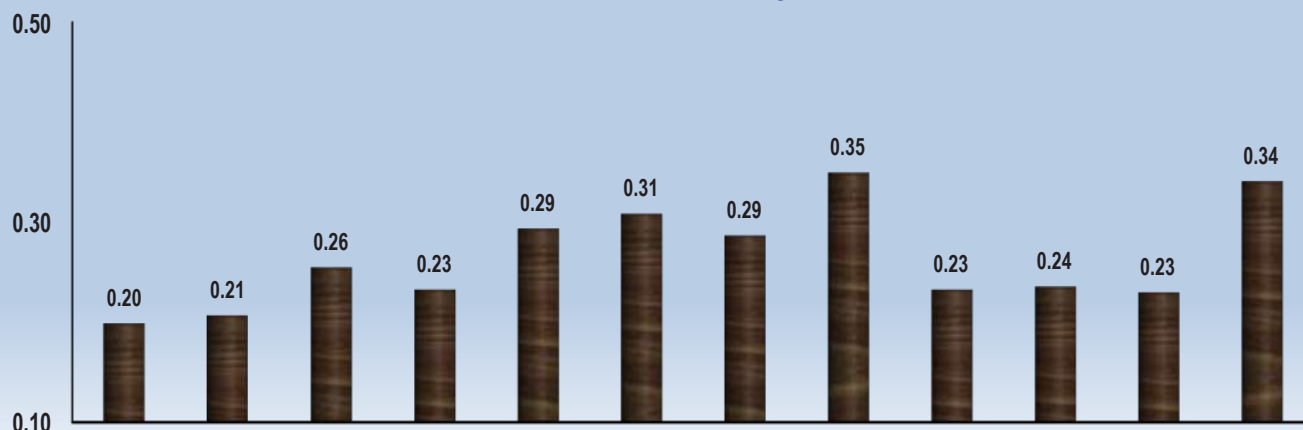


Table 4.8 : Share of Raw Coal Despatch by States During Last Ten Years

(Qty. in MT)

| Year    | State : Arunachal Pradesh |           |           | State: Assam |           |            | State: Chhattisgarh |           |           |
|---------|---------------------------|-----------|-----------|--------------|-----------|------------|---------------------|-----------|-----------|
|         | Quantity                  | Share (%) | Growth(%) | Quantity     | Share (%) | Growth (%) | Quantity            | Share (%) | Growth(%) |
| (1)     | (2)                       | (3)       | (4)       | (5)          | (6)       | (7)        | (8)                 | (9)       | (10)      |
| 2011-12 | 0.322                     | 0.06      | 31.43     | 0.800        | 0.15      | -27.40     | 114.610             | 21.41     | 4.61      |
| 2012-13 | 0.055                     | 0.01      | -82.92    | 0.618        | 0.11      | -22.75     | 121.058             | 21.35     | 5.63      |
| 2013-14 | 0                         | -         | -         | 0.577        | 0.10      | -6.63      | 124.674             | 21.79     | 2.99      |
| 2014-15 | 0                         | -         | -         | 0.733        | 0.12      | 27.04      | 129.392             | 21.43     | 3.78      |
| 2015-16 | 0                         | -         | -         | 0.342        | 0.05      | -53.34     | 132.040             | 20.88     | 2.05      |
| 2016-17 | 0                         | -         | -         | 0.777        | 0.12      | 127.19     | 135.268             | 20.94     | 2.44      |
| 2017-18 | 0                         | -         | -         | 0.895        | 0.13      | 15.19      | 146.656             | 21.25     | 8.42      |
| 2018-19 | 0                         | -         | -         | 0.754        | 0.10      | -15.75     | 159.984             | 21.83     | 9.09      |
| 2019-20 | 0                         | -         | -         | 0.562        | 0.10      | -25.46     | 147.076             | 20.80     | -8.07     |
| 2020-21 | 0                         | -         | -         | 0.090        | 0.10      | -83.99     | 146.253             | 21.17     | -0.56     |

| Year    | State: Jammu & Kashmir |           |            | State: Jharkhand |           |            | State: Madhya Pradesh |           |            |
|---------|------------------------|-----------|------------|------------------|-----------|------------|-----------------------|-----------|------------|
|         | Quantity               | Share (%) | Growth (%) | Quantity         | Share (%) | Growth (%) | Quantity              | Share (%) | Growth (%) |
| (11)    | (12)                   | (13)      | (14)       | (15)             | (16)      | (17)       | (18)                  | (19)      | (20)       |
| 2011-12 | 0.023                  | 0.00      | -8.00      | 109.792          | 20.51     | 2.96       | 69.560                | 12.99     | 0.17       |
| 2012-13 | 0.014                  | 0.00      | -39.13     | 119.276          | 21.03     | 8.64       | 60.411                | 10.65     | -13.15     |
| 2013-14 | 0.013                  | 0.00      | -7.14      | 116.798          | 20.42     | -2.08      | 63.096                | 11.03     | 4.44       |
| 2014-15 | 0.013                  | 0.00      | 0.00       | 122.044          | 20.21     | 4.49       | 74.243                | 12.30     | 17.67      |
| 2015-16 | 0.012                  | 0.00      | -7.69      | 118.072          | 18.67     | -3.25      | 85.205                | 13.47     | 14.77      |
| 2016-17 | 0.011                  | 0.00      | -8.33      | 120.739          | 18.69     | 2.26       | 87.743                | 13.58     | 2.98       |
| 2017-18 | 0.021                  | 0.00      | 90.91      | 126.564          | 18.34     | 4.82       | 119.930               | 17.38     | 36.68      |
| 2018-19 | 0.016                  | 0.00      | -23.81     | 136.061          | 18.57     | 7.50       | 103.404               | 14.11     | -13.78     |
| 2019-20 | 0.010                  | 0.00      | -37.50     | 132.418          | 18.72     | -2.68      | 109.283               | 15.45     | 5.69       |
| 2020-21 | 0.008                  | 0.00      | -20.00     | 122.238          | 17.69     | -7.69      | 105.384               | 15.25     | -3.57      |

| Year    | State: Maharashtra |           |            | State: Meghalaya |           |           | State: Odisha |           |           |
|---------|--------------------|-----------|------------|------------------|-----------|-----------|---------------|-----------|-----------|
|         | Quantity           | Share (%) | Growth (%) | Quantity         | Share (%) | Growth(%) | Quantity      | Share (%) | Growth(%) |
| (21)    | (22)               | (23)      | (24)       | (25)             | (26)      | (27)      | (28)          | (29)      | (30)      |
| 2011-12 | 38.108             | 7.12      | -0.35      | 7.206            | 1.35      | 3.22      | 104.819       | 19.58     | 0.44      |
| 2012-13 | 38.316             | 6.76      | 0.55       | 5.640            | 0.99      | -27.77    | 114.213       | 20.14     | 8.96      |
| 2013-14 | 37.205             | 6.50      | -2.90      | 5.732            | 1.00      | 1.61      | 116.795       | 20.42     | 2.26      |
| 2014-15 | 38.553             | 6.39      | 3.62       | 2.524            | 0.42      | -127.10   | 125.382       | 20.77     | 7.35      |
| 2015-16 | 36.444             | 5.76      | -5.47      | 3.712            | 0.59      | 32.00     | 140.639       | 22.24     | 12.17     |
| 2016-17 | 34.954             | 5.41      | -4.09      | 2.308            | 0.36      | -60.83    | 143.287       | 22.18     | 1.88      |
| 2017-18 | 44.070             | 6.39      | 26.08      | 1.529            | 0.22      | -50.95    | 138.538       | 20.08     | -3.31     |
| 2018-19 | 51.793             | 7.07      | 17.52      | 0                | 0         | 0         | 142.464       | 19.44     | 2.83      |
| 2019-20 | 50.008             | 7.07      | -3.45      | 0                | 0         | 0         | 135.878       | 19.21     | -4.62     |
| 2020-21 | 46.571             | 6.74      | -6.87      | 0                | 0         | 0         | 151.911       | 21.99     | 11.80     |

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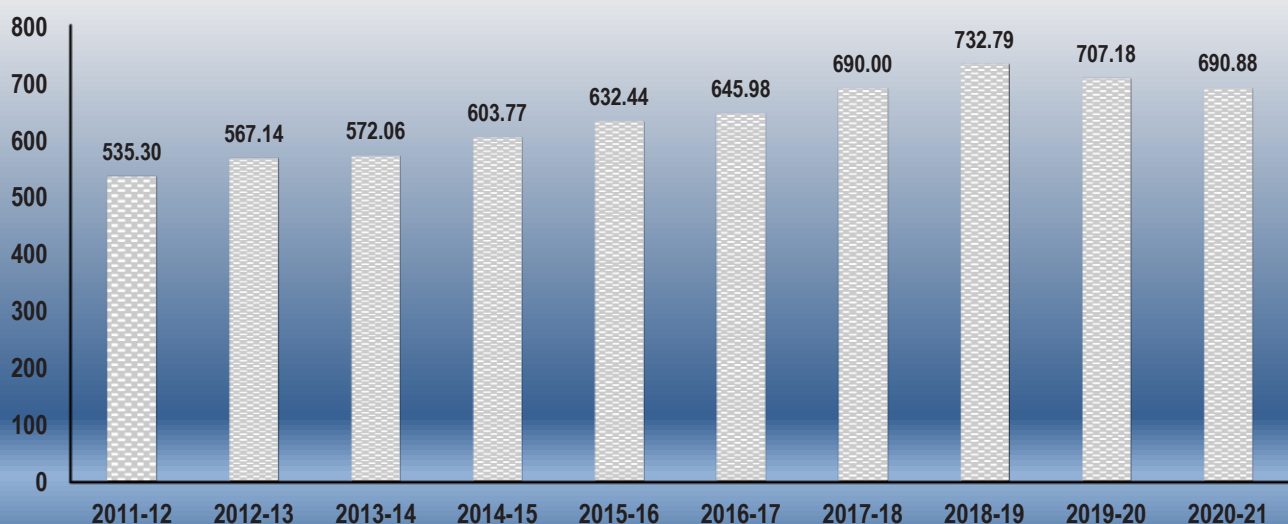
Table 4.8 : Share of Raw Coal Despatch by States During Last Ten Years

(Qty. in MT)

| Year    | State: Telangana |           |            | State: Uttar Pradesh |           |           | State: West Bengal |           |           |
|---------|------------------|-----------|------------|----------------------|-----------|-----------|--------------------|-----------|-----------|
|         | Quantity         | Share (%) | Growth (%) | Quantity             | Share (%) | Growth(%) | Quantity           | Share (%) | Growth(%) |
| (31)    | (32)             | (33)      | (34)       | (35)                 | (36)      | (37)      | (38)               | (39)      | (40)      |
| 2011-12 | 51.389           | 9.60      | 2.68       | 15.467               | 2.89      | 0.48      | 23.203             | 4.33      | 8.23      |
| 2012-13 | 52.025           | 9.17      | 1.24       | 28.824               | 5.08      | 86.36     | 26.686             | 4.71      | 15.01     |
| 2013-14 | 47.892           | 8.37      | -7.94      | 30.807               | 5.39      | 6.88      | 28.471             | 4.98      | 6.69      |
| 2014-15 | 52.662           | 8.72      | 9.96       | 29.021               | 4.81      | -5.80     | 29.205             | 4.84      | 2.58      |
| 2015-16 | 58.687           | 9.28      | 11.44      | 31.815               | 5.03      | 9.63      | 25.474             | 4.03      | -12.78    |
| 2016-17 | 60.791           | 9.41      | 3.59       | 33.006               | 5.11      | 3.74      | 27.094             | 4.19      | 6.36      |
| 2017-18 | 64.623           | 9.37      | 6.30       | 17.227               | 2.50      | -47.81    | 29.950             | 4.34      | 10.54     |
| 2018-19 | 68.426           | 9.34      | 5.88       | 36.654               | 5.00      | 112.77    | 33.238             | 4.54      | 10.98     |
| 2019-20 | 64.122           | 9.07      | -6.29      | 34.775               | 4.92      | -5.13     | 33.044             | 4.67      | -0.58     |
| 2020-21 | 50.533           | 7.31      | -21.19     | 38.355               | 5.55      | 10.29     | 29.541             | 4.28      | -10.60    |

| Year    | All India |           |
|---------|-----------|-----------|
|         | Quantity  | Growth(%) |
| (41)    | (42)      | (43)      |
| 2011-12 | 535.299   | 2.26      |
| 2012-13 | 567.136   | 5.95      |
| 2013-14 | 572.060   | 0.87      |
| 2014-15 | 603.772   | 5.54      |
| 2015-16 | 632.442   | 4.75      |
| 2016-17 | 645.978   | 2.14      |
| 2017-18 | 690.003   | 6.82      |
| 2018-19 | 732.794   | 6.20      |
| 2019-20 | 707.176   | -3.50     |
| 2020-21 | 690.884   | -2.30     |

All India of Raw Coal Despatch During Last Ten Years



**Table 4.9 : Share of Lignite Despatch by States During Last Ten Years****(Qty. in MT)**

| Year    | State: Tamilnadu |           |            | State: Gujarat |           |            |
|---------|------------------|-----------|------------|----------------|-----------|------------|
|         | Quantity         | Share (%) | Growth (%) | Quantity       | Share (%) | Growth (%) |
| (1)     | (2)              | (3)       | (4)        | (5)            | (6)       | (7)        |
| 2011-12 | 24.472           | 58.43     | 6.03       | 14.448         | 34.50     | 10.47      |
| 2012-13 | 24.312           | 52.49     | -0.65      | 14.670         | 31.68     | 1.54       |
| 2013-14 | 24.438           | 55.67     | 0.52       | 11.831         | 26.95     | -19.35     |
| 2014-15 | 24.088           | 51.30     | -1.43      | 12.362         | 26.33     | 4.49       |
| 2015-16 | 22.493           | 53.29     | -6.62      | 10.135         | 24.01     | -18.01     |
| 2016-17 | 24.165           | 56.00     | 7.43       | 10.545         | 24.44     | 4.05       |
| 2017-18 | 23.398           | 50.52     | -3.17      | 13.779         | 29.75     | 30.67      |
| 2018-19 | 24.510           | 53.50     | 4.75       | 12.555         | 27.41     | -8.88      |
| 2019-20 | 23.775           | 56.25     | -3.00      | 10.354         | 24.50     | -17.53     |
| 2020-21 | 18.516           | 48.10     | -22.12     | 10.819         | 28.11     | 4.49       |

| Year    | State: Rajasthan |           |            | All India |            |
|---------|------------------|-----------|------------|-----------|------------|
|         | Quantity         | Share (%) | Growth (%) | Quantity  | Growth (%) |
| (8)     | (9)              | (10)      | (11)       | (12)      | (13)       |
| 2011-12 | 2.963            | 7.07      | 94.30      | 41.883    | 11.14      |
| 2012-13 | 7.331            | 15.83     | 147.42     | 46.313    | 10.58      |
| 2013-14 | 7.628            | 17.38     | 4.05       | 43.897    | -5.22      |
| 2014-15 | 10.504           | 22.37     | 37.70      | 46.954    | 6.96       |
| 2015-16 | 9.583            | 22.70     | -8.77      | 42.211    | -10.10     |
| 2016-17 | 8.445            | 19.57     | -11.88     | 43.155    | 2.24       |
| 2017-18 | 9.140            | 19.73     | 8.23       | 46.317    | 7.33       |
| 2018-19 | 8.746            | 19.09     | -4.31      | 45.811    | -1.09      |
| 2019-20 | 8.138            | 19.25     | -6.95      | 42.267    | -7.74      |
| 2020-21 | 9.157            | 23.79     | 12.52      | 38.492    | -8.93      |

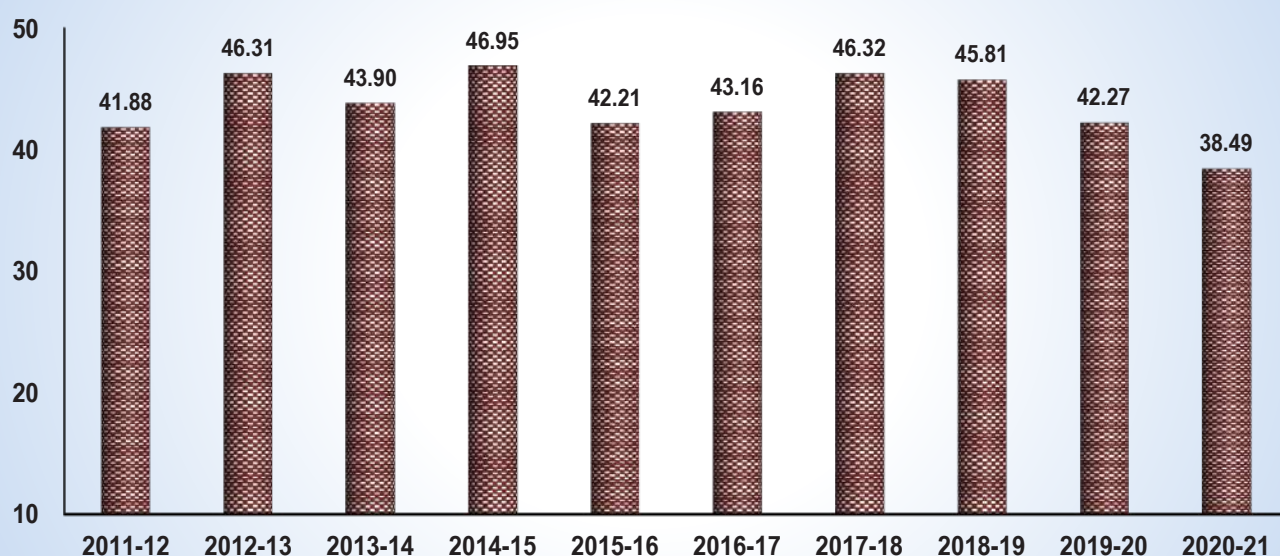
**All India Lignite Despatch During Last Ten Years**

Table 4.10 : Trends of Company Wise Despatch of Coal &amp; Lignite During Last Three Years

(Qty. in MT)

| Company                         | 2018-19       |                |                | 2019-20       |                |                | 2020-21       |                |                |
|---------------------------------|---------------|----------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|
|                                 | Coking        | N-Coking       | Total          | Coking        | N-Coking       | Total          | Coking        | N-Coking       | Total          |
| (1)                             | (2)           | (3)            | (4)            | (5)           | (6)            | (7)            | (8)           | (9)            | (10)           |
| ECL                             | 0.026         | 50.198         | 50.224         | 0.027         | 49.108         | 49.135         | 0.018         | 41.844         | 41.862         |
| BCCL                            | 25.726        | 7.356          | 33.082         | 25.973        | 2.698          | 28.671         | 22.112        | 1.057          | 23.169         |
| CCL                             | 10.117        | 58.328         | 68.445         | 17.804        | 49.528         | 67.332         | 15.473        | 49.927         | 65.400         |
| NCL                             |               | 101.574        | 101.574        |               | 107.423        | 107.423        |               | 108.644        | 108.644        |
| WCL                             | 0.196         | 55.354         | 55.550         | 0.177         | 52.399         | 52.576         | 0.184         | 49.504         | 49.688         |
| SECL                            | 0.249         | 150.733        | 150.982        | 0.169         | 138.049        | 138.218        | 0.271         | 135.256        | 135.527        |
| SECL(GP-IV/2&3)                 |               | 3.200          | 3.200          |               | 2.888          | 2.888          |               | 3.241          | 3.241          |
| SECL(GP-IV/1)                   |               | 1.839          | 1.839          |               | 0.821          | 0.821          |               | 0.000          | 0.000          |
| MCL                             |               | 142.303        | 142.303        |               | 134.014        | 134.014        |               | 146.007        | 146.007        |
| NEC                             |               | 0.754          | 0.754          |               | 0.562          | 0.562          |               | 0.090          | 0.090          |
| <b>Total CIL</b>                | <b>36.314</b> | <b>571.639</b> | <b>607.953</b> | <b>44.150</b> | <b>537.490</b> | <b>581.640</b> | <b>38.058</b> | <b>535.570</b> | <b>573.628</b> |
| SCCL                            |               | 67.669         | 67.669         |               | 62.465         | 62.465         |               | 48.513         | 48.513         |
| JKML                            |               | 0.016          | 0.016          |               | 0.010          | 0.010          |               | 0.008          | 0.008          |
| JSMDC                           |               | 0.228          | 0.228          |               | 0.064          | 0.064          |               | 0.069          | 0.069          |
| DVC                             |               |                | 0.000          |               |                | 0.000          |               |                | 0.000          |
| IISCO                           | 0.443         | 0.301          | 0.744          | 0.300         | 0.234          | 0.534          | 0.092         | 0.100          | 0.192          |
| SAIL                            |               |                | 0.000          |               |                | 0.000          |               |                | 0.000          |
| RRVUNL                          |               | 15.000         | 15.000         |               | 15.000         | 15.000         |               | 15.000         | 15.000         |
| NTPC                            |               | 6.972          | 6.972          |               | 10.696         | 10.696         |               | 10.939         | 10.939         |
| WBPDC                           |               | 0.337          | 0.337          |               | 1.927          | 1.927          |               | 6.588          | 6.588          |
| CSPGCL                          |               |                | 0.000          |               | 0.018          | 0.018          |               | 1.660          | 1.660          |
| TSPGCL                          |               | 0.757          | 0.757          |               | 1.657          | 1.657          |               | 2.020          | 2.020          |
| OCPL                            |               |                | 0.000          |               | 0.515          | 0.515          |               | 1.804          | 1.804          |
| DPL                             |               |                | 0.000          |               | 0.515          | 0.515          |               | 0.024          | 0.024          |
| NLCIL                           |               |                | 0.000          |               | 0.515          | 0.515          |               | 0.700          | 0.700          |
| <b>Total Public</b>             | <b>36.757</b> | <b>662.919</b> | <b>699.676</b> | <b>44.450</b> | <b>630.076</b> | <b>674.526</b> | <b>38.150</b> | <b>622.995</b> | <b>661.145</b> |
| TSL                             | 6.561         | 0.000          | 6.561          | 6.206         | 0.000          | 6.206          | 5.850         | 0.000          | 5.850          |
| MEGHALAYA                       |               | 0.000          | 0.000          |               | 0.000          | 0.000          |               | 0.000          | 0.000          |
| HIL                             |               | 2.310          | 2.310          |               | 0.909          | 0.909          |               | 0.317          | 0.317          |
| SPL                             |               | 18.001         | 18.001         |               | 18.783         | 18.783         |               | 18.067         | 18.067         |
| SIL                             |               | 0.270          | 0.270          |               | 0.224          | 0.224          |               | 0.100          | 0.100          |
| CESC                            |               | 1.948          | 1.948          |               | 1.887          | 1.887          |               | 1.963          | 1.963          |
| GMR                             |               | 0.000          | 0.000          |               | 0.000          | 0.000          |               | 0.000          | 0.000          |
| BALCO                           |               | 0.563          | 0.563          |               | 0.874          | 0.874          |               | 0.231          | 0.231          |
| JPVL                            |               | 2.799          | 2.799          |               | 2.800          | 2.800          |               | 2.801          | 2.801          |
| RCCPL                           |               | 0.103          | 0.103          |               | 0.182          | 0.182          |               | 0.173          | 0.173          |
| TUML                            |               | 0.302          | 0.302          |               | 0.284          | 0.284          |               | 0.113          | 0.113          |
| AMBUJA                          |               | 0.100          | 0.100          |               | 0.386          | 0.386          |               | 0.124          | 0.124          |
| OCL                             |               | 0.161          | 0.161          |               | 0.115          | 0.115          |               | 0.000          | 0.000          |
| <b>Total Private</b>            | <b>6.561</b>  | <b>26.557</b>  | <b>33.118</b>  | <b>6.206</b>  | <b>26.444</b>  | <b>32.650</b>  | <b>5.850</b>  | <b>23.889</b>  | <b>29.739</b>  |
| <b>All India</b>                | <b>43.318</b> | <b>689.476</b> | <b>732.794</b> | <b>50.656</b> | <b>656.520</b> | <b>707.176</b> | <b>44.000</b> | <b>646.884</b> | <b>690.884</b> |
| <b>LIGNITE :</b>                |               |                |                |               |                |                |               |                |                |
| NLC                             |               |                | 25.719         |               |                | 25.123         |               |                | 19.753         |
| GMDCL                           |               |                | 9.160          |               |                | 6.957          |               |                | 6.004          |
| GIPCL                           |               |                | 3.313          |               |                | 3.342          |               |                | 3.507          |
| GPCL                            |               |                |                |               |                |                |               |                | 1.272          |
| RSMML                           |               |                | 1.317          |               |                | 0.790          |               |                | 0.830          |
| GHCL                            |               |                | 0.082          |               |                | 0.055          |               |                | 0.036          |
| VSLPPL                          |               |                | 0.303          |               |                | 0.697          |               |                | 0.927          |
| BLMCL                           |               |                | 5.917          |               |                | 5.303          |               |                | 6.163          |
| <b>All India</b>                |               |                | <b>45.811</b>  |               |                | <b>42.267</b>  |               |                | <b>38.492</b>  |
| <b>Total Coal &amp; Lignite</b> |               |                | <b>778.605</b> |               |                | <b>749.443</b> |               |                | <b>729.376</b> |

**Table 4.11 : Despatch of Raw Coal & Coal Products (Washed Coal & Middlings) by Companies in 2020-21**

(Qty. in MT)

| Company              | Raw Coal       |                | Washed Coal   |               | Middlings    |              |
|----------------------|----------------|----------------|---------------|---------------|--------------|--------------|
|                      | Despatch       | Off-take       | Despatch      | Off-take      | Despatch     | Off-take     |
| (1)                  | (2)            | (3)            | (4)           | (5)           | (6)          | (7)          |
| ECL                  | 41.862         | 42.039         |               |               |              |              |
| BCCL                 | 23.169         | 23.174         | 0.755         | 0.755         | 1.079        | 1.079        |
| CCL                  | 65.400         | 65.400         | 5.873         | 5.873         | 0.732        | 0.732        |
| NCL                  | 108.644        | 108.644        |               |               |              |              |
| WCL                  | 49.688         | 49.692         |               |               |              |              |
| SECL                 | 135.527        | 135.536        |               |               |              |              |
| SECL(GP-IV/2&3)      | 3.241          | 3.241          |               |               |              |              |
| SECL(GP-IV/1)        | 0.000          | 0.000          |               |               |              |              |
| MCL                  | 146.007        | 146.009        |               |               |              |              |
| NEC                  | 0.090          | 0.090          |               |               |              |              |
| <b>Total CIL</b>     | <b>573.628</b> | <b>573.825</b> | <b>6.628</b>  | <b>6.628</b>  | <b>1.811</b> | <b>1.811</b> |
| SCCL                 | 48.513         | 48.513         |               |               |              |              |
| JKML                 | 0.008          | 0.008          |               |               |              |              |
| DVC                  | 0.000          | 0.000          |               |               |              |              |
| IISCO                | 0.192          | 0.192          | 0.595         | 0.595         | 0.442        | 0.442        |
| SAIL                 | 0.000          | 0.000          |               |               |              |              |
| JSMDCL               | 0.069          | 0.069          |               |               |              |              |
| RRVUNL               | 15.000         | 15.000         | 12.327        | 12.327        |              |              |
| NTPC                 | 10.939         | 10.939         |               |               |              |              |
| WBPDCCL              | 6.588          | 6.588          |               |               |              |              |
| CSPGCL               | 1.660          | 1.660          |               |               |              |              |
| TSPGCL               | 2.020          | 2.020          |               |               |              |              |
| OCPL                 | 1.804          | 1.804          |               |               |              |              |
| DPL                  | 0.024          | 0.024          |               |               |              |              |
| NLCIL                | 0.700          | 0.700          |               |               |              |              |
| <b>Total Public</b>  | <b>661.145</b> | <b>661.342</b> | <b>19.550</b> | <b>19.550</b> | <b>2.253</b> | <b>2.253</b> |
| TSL                  | 5.850          | 5.850          | 3.119         | 3.119         | 1.073        | 1.073        |
| CESC                 | 1.963          | 1.963          | 0.755         | 0.755         |              |              |
| HIL                  | 0.317          | 0.317          |               |               |              |              |
| SPL                  | 18.067         | 18.067         |               |               |              |              |
| GMR                  | 0.000          | 0.000          |               |               |              |              |
| BALCO                | 0.231          | 0.231          |               |               |              |              |
| SIL                  | 0.100          | 0.100          |               |               |              |              |
| JPVL                 | 2.801          | 2.801          |               |               |              |              |
| RCCPL                | 0.173          | 0.173          |               |               |              |              |
| TUML                 | 0.113          | 0.113          | 0.003         | 0.003         | 0.006        | 0.006        |
| OCL                  | 0.000          | 0.000          |               |               |              |              |
| AMBUJA               | 0.124          | 0.124          |               |               |              |              |
| <b>Total Private</b> | <b>29.739</b>  | <b>29.739</b>  | <b>3.877</b>  | <b>3.877</b>  | <b>1.079</b> | <b>1.079</b> |
| <b>All India</b>     | <b>690.884</b> | <b>691.081</b> | <b>23.427</b> | <b>23.427</b> | <b>3.332</b> | <b>3.332</b> |

Table 4.12: State Wise and Company Wise Despatch of Raw Coal by Type in Last Three Years

(Qty. in MT)

| States                     | Company         | 2018-19       |                |                | 2019-20       |                |                | 2020-21       |                |                |
|----------------------------|-----------------|---------------|----------------|----------------|---------------|----------------|----------------|---------------|----------------|----------------|
|                            |                 | Coking        | N-Coking       | Total          | Coking        | N-Coking       | Total          | Coking        | N-Coking       | Total          |
| (1)                        | (2)             | (3)           | (4)            | (5)            | (6)           | (7)            | (8)            | (9)           | (10)           | (11)           |
| <b>Assam</b>               | <b>NEC</b>      |               | 0.754          | <b>0.754</b>   |               | 0.562          | <b>0.562</b>   |               | 0.090          | <b>0.090</b>   |
| Chhattisgarh               | SECL            | 0.249         | 137.481        | <b>137.730</b> | 0.169         | 126.255        | <b>126.424</b> | 0.271         | 124.532        | <b>124.803</b> |
| Chhattisgarh               | SECL(GP-IV/2&3) |               | 3.200          | <b>3.200</b>   |               | 2.888          | <b>2.888</b>   |               | 3.241          | <b>3.241</b>   |
| Chhattisgarh               | SECL(GP-IV/1)   |               | 1.839          | <b>1.839</b>   |               | 0.821          | <b>0.821</b>   |               | 0.000          | <b>0.000</b>   |
| Chhattisgarh               | RRVUNL          |               | 15.000         | <b>15.000</b>  |               | 15.000         | <b>15.000</b>  |               | 15.000         | <b>15.000</b>  |
| Chhattisgarh               | HIL_GP_IV/4     |               | 1.000          | <b>1.000</b>   |               | 0.530          | <b>0.530</b>   |               | 0.292          | <b>0.292</b>   |
| Chhattisgarh               | HIL_GP_IV/5     |               | 1.000          | <b>1.000</b>   |               | 0.135          | <b>0.135</b>   |               | 0.001          | <b>0.001</b>   |
| Chhattisgarh               | CSPGCL          |               | 1.000          | <b>1.000</b>   |               | 0.018          | <b>0.018</b>   |               | 1.660          | <b>1.660</b>   |
| Chhattisgarh               | NTPC            |               | 0.552          | <b>0.552</b>   |               | 0.000          | <b>0.000</b>   |               | 0.901          | <b>0.901</b>   |
| Chhattisgarh               | BALCO           |               | 0.563          | <b>0.563</b>   |               | 0.874          | <b>0.874</b>   |               | 0.231          | <b>0.231</b>   |
| Chhattisgarh               | AMBUJA          |               | 0.100          | <b>0.100</b>   |               | 0.386          | <b>0.386</b>   |               | 0.124          | <b>0.124</b>   |
| <b>Chhattisgarh</b>        | <b>TOTAL</b>    | <b>0.249</b>  | <b>161.735</b> | <b>161.984</b> | <b>0.169</b>  | <b>146.907</b> | <b>147.076</b> | <b>0.271</b>  | <b>145.982</b> | <b>146.253</b> |
| <b>Jammu &amp; Kashmir</b> | <b>JKML</b>     |               | 0.016          | <b>0.016</b>   |               | 0.010          | <b>0.010</b>   |               | 0.008          | <b>0.008</b>   |
| Jharkhand                  | ECL             | 0.022         | 20.648         | <b>20.670</b>  | 0.027         | 20.553         | <b>20.580</b>  | 0.018         | 16.716         | <b>16.734</b>  |
| Jharkhand                  | BCCL            | 24.770        | 7.211          | <b>31.981</b>  | 25.679        | 2.551          | <b>28.230</b>  | 22.112        | 1.040          | <b>23.152</b>  |
| Jharkhand                  | CCL             | 10.117        | 58.328         | <b>68.445</b>  | 17.804        | 49.528         | <b>67.332</b>  | 15.473        | 49.927         | <b>65.400</b>  |
| Jharkhand                  | JSMDCCL         |               | 0.228          | <b>0.228</b>   |               | 0.064          | <b>0.064</b>   |               | 0.069          | <b>0.069</b>   |
| Jharkhand                  | DVC             |               |                | <b>0.000</b>   |               |                | <b>0.000</b>   |               |                | <b>0.000</b>   |
| Jharkhand                  | IISCO           | 0.443         | 0.003          | <b>0.446</b>   | 0.300         |                | <b>0.300</b>   | 0.092         |                | <b>0.092</b>   |
| Jharkhand                  | SAIL            |               |                | <b>0.000</b>   |               |                | <b>0.000</b>   |               |                | <b>0.000</b>   |
| Jharkhand                  | NTPC            |               | 6.972          | <b>6.972</b>   |               | 9.462          | <b>9.462</b>   |               | 6.638          | <b>6.638</b>   |
| Jharkhand                  | WBPDCCL         |               |                |                |               |                |                |               | 4.279          | <b>4.279</b>   |
| Jharkhand                  | TSL             | 6.561         |                | <b>6.561</b>   | 6.206         |                | <b>6.206</b>   | 5.850         |                | <b>5.850</b>   |
| Jharkhand                  | HIL_KOC         |               | 0.758          | <b>0.758</b>   |               | 0.244          | <b>0.244</b>   |               | 0.024          | <b>0.024</b>   |
| <b>Jharkhand</b>           | <b>TOTAL</b>    | <b>41.913</b> | <b>94.148</b>  | <b>136.061</b> | <b>50.016</b> | <b>82.402</b>  | <b>132.418</b> | <b>43.545</b> | <b>78.693</b>  | <b>122.238</b> |
| Madhya Pradesh             | NCL             |               | 64.920         | <b>64.920</b>  |               | 72.648         | <b>72.648</b>  |               | 70.289         | <b>70.289</b>  |
| Madhya Pradesh             | WCL             | 0.196         | 4.133          | <b>4.329</b>   | 0.177         | 2.899          | <b>3.076</b>   | 0.184         | 3.146          | <b>3.330</b>   |
| Madhya Pradesh             | SECL            |               | 13.252         | <b>13.252</b>  |               | 11.794         | <b>11.794</b>  |               | 10.724         | <b>10.724</b>  |
| Madhya Pradesh             | SPL             |               | 18.001         | <b>18.001</b>  |               | 18.783         | <b>18.783</b>  |               | 18.067         | <b>18.067</b>  |
| Madhya Pradesh             | JPVL            |               | 2.799          | <b>2.799</b>   |               | 2.800          | <b>2.800</b>   |               | 2.801          | <b>2.801</b>   |
| Madhya Pradesh             | RCCPL           |               | 0.103          | <b>0.103</b>   |               | 0.182          | <b>0.182</b>   |               | 0.173          | <b>0.173</b>   |
| <b>Madhya Pradesh</b>      | <b>TOTAL</b>    | <b>0.196</b>  | <b>103.208</b> | <b>103.404</b> | <b>0.177</b>  | <b>109.106</b> | <b>109.283</b> | <b>0.184</b>  | <b>105.200</b> | <b>105.384</b> |
| Maharashtra                | WCL             |               | 51.221         | <b>51.221</b>  |               | 49.500         | <b>49.500</b>  |               | 46.358         | <b>46.358</b>  |
| Maharashtra                | SIL             |               | 0.270          | <b>0.270</b>   |               | 0.224          | <b>0.224</b>   |               | 0.100          | <b>0.100</b>   |
| Maharashtra                | TUML            |               | 0.302          | <b>0.302</b>   |               | 0.284          | <b>0.284</b>   |               | 0.113          | <b>0.113</b>   |
| <b>Maharashtra</b>         | <b>TOTAL</b>    | <b>0.000</b>  | <b>51.793</b>  | <b>51.793</b>  | <b>0.000</b>  | <b>50.008</b>  | <b>50.008</b>  | <b>0.000</b>  | <b>46.571</b>  | <b>46.571</b>  |
| Odisha                     | MCL             |               | 142.303        | <b>142.303</b> |               | 134.014        | <b>134.014</b> |               | 146.007        | <b>146.007</b> |
| Odisha                     | GMR             |               | 0.000          | <b>0.000</b>   |               | 0.000          | <b>0.000</b>   |               | 0.000          | <b>0.000</b>   |
| Odisha                     | OCPL            |               |                | <b>0.000</b>   |               | 0.515          | <b>0.515</b>   |               | 1.804          | <b>1.804</b>   |
| Odisha                     | NTPC            |               |                | <b>0.000</b>   |               | 1.234          | <b>1.234</b>   |               | 3.400          | <b>3.400</b>   |
| Odisha                     | OCL             |               | 0.161          | <b>0.161</b>   |               | 0.115          | <b>0.115</b>   |               | 0.000          | <b>0.000</b>   |
| Odisha                     | NLCIL           |               |                |                |               |                |                |               | 0.700          | <b>0.700</b>   |
| <b>Odisha</b>              | <b>TOTAL</b>    |               | <b>142.464</b> | <b>142.464</b> |               | <b>135.878</b> | <b>135.878</b> |               | <b>151.911</b> | <b>151.911</b> |
| Telangana                  | SCCL            |               | 67.669         | <b>67.669</b>  |               | 62.465         | <b>62.465</b>  |               | 48.513         | <b>48.513</b>  |
| Telangana                  | TSPGCL          |               | 0.757          | <b>0.757</b>   |               | 1.657          | <b>1.657</b>   |               | 2.020          | <b>2.020</b>   |
| <b>Telangana</b>           | <b>TOTAL</b>    | <b>0.000</b>  | <b>68.426</b>  | <b>68.426</b>  | <b>0.000</b>  | <b>64.122</b>  | <b>64.122</b>  | <b>0.000</b>  | <b>50.533</b>  | <b>50.533</b>  |
| <b>Uttar Pradesh</b>       | <b>NCL</b>      |               | <b>36.654</b>  | <b>36.654</b>  |               | <b>34.775</b>  | <b>34.775</b>  |               | <b>38.355</b>  | <b>38.355</b>  |
| West Bengal                | ECL             | 0.004         | 29.550         | <b>29.554</b>  | 0.000         | 28.555         | <b>28.555</b>  | 0.000         | 25.128         | <b>25.128</b>  |
| West Bengal                | BCCL            | 0.956         | 0.145          | <b>1.101</b>   | 0.294         | 0.147          | <b>0.441</b>   | 0.000         | 0.017          | <b>0.017</b>   |
| West Bengal                | IISCO           |               | 0.298          | <b>0.298</b>   |               | 0.234          | <b>0.234</b>   |               | 0.100          | <b>0.100</b>   |
| West Bengal                | WBPDCCL         |               | 0.337          | <b>0.337</b>   |               | 1.927          | <b>1.927</b>   |               | 2.309          | <b>2.309</b>   |
| West Bengal                | CESC            |               | 1.948          | <b>1.948</b>   |               | 1.887          | <b>1.887</b>   |               | 1.963          | <b>1.963</b>   |
| West Bengal                | DPL             |               |                |                |               |                |                |               | 0.024          | <b>0.024</b>   |
| <b>West Bengal</b>         | <b>TOTAL</b>    | <b>0.960</b>  | <b>32.278</b>  | <b>33.238</b>  | <b>0.294</b>  | <b>32.750</b>  | <b>33.044</b>  | <b>0.000</b>  | <b>29.541</b>  | <b>29.541</b>  |
| <b>Total Public</b>        |                 | <b>36.757</b> | <b>664.471</b> | <b>701.228</b> | <b>44.450</b> | <b>630.076</b> | <b>676.413</b> | <b>38.150</b> | <b>622.995</b> | <b>661.145</b> |
| <b>Total Private</b>       |                 | <b>6.561</b>  | <b>25.057</b>  | <b>31.618</b>  | <b>6.206</b>  | <b>26.444</b>  | <b>30.763</b>  | <b>5.850</b>  | <b>23.889</b>  | <b>29.739</b>  |
| <b>All India</b>           |                 | <b>43.318</b> | <b>689.528</b> | <b>732.846</b> | <b>50.656</b> | <b>656.520</b> | <b>707.176</b> | <b>44.000</b> | <b>646.884</b> | <b>690.884</b> |

**Table 4.13 : Company Wise Despatch of Coal Products(Coke, Coal Gas & Coke Fines) During Last Five Years**  
(Qty. in MT)

| Year    | Companies    | Hard Coke     | CIL Coke      | Coke Fines    | Coal gas (Unit: NM3) | Coal Fines    |
|---------|--------------|---------------|---------------|---------------|----------------------|---------------|
| (1)     | (2)          | (3)           | (4)           | (5)           | (6)                  | (7)           |
| 2016-17 | BCCL         |               |               |               |                      |               |
|         | CCL          |               |               |               |                      |               |
|         | WCL          |               |               |               |                      |               |
|         | DCC          |               | 0.0010        | 0.0010        | 0.0110               | 0.0210        |
|         | SAIL         | 7.401         |               |               |                      |               |
|         | RINL         | 2.559         |               |               |                      |               |
|         | TSL          | 2.594         |               |               |                      |               |
|         | <b>Total</b> | <b>12.554</b> | <b>0.0010</b> | <b>0.0010</b> | <b>0.0110</b>        | <b>0.0210</b> |
| 2017-18 | BCCL         |               |               |               |                      |               |
|         | CCL          |               |               |               |                      |               |
|         | WCL          |               |               |               |                      |               |
|         | DCC          |               | 0.0006        | 0.0001        | 0.0008               | 0.1412        |
|         | SAIL         | 7.326         |               |               |                      |               |
|         | RINL         | 2.559         |               |               |                      |               |
|         | TSL          | 2.529         |               |               |                      |               |
|         | <b>Total</b> | <b>12.414</b> | <b>0.0006</b> | <b>0.0001</b> | <b>0.0008</b>        | <b>0.1412</b> |
| 2018-19 | BCCL         |               |               |               |                      |               |
|         | CCL          |               |               |               |                      |               |
|         | WCL          |               |               |               |                      |               |
|         | DCC          |               | 0.0006        | 0.0001        | 0.0030               | 0.1380        |
|         | SAIL         | 6.558         |               |               |                      |               |
|         | RINL         | 2.559         |               |               |                      |               |
|         | TSL          | 2.529         |               |               |                      |               |
|         | <b>Total</b> | <b>11.646</b> | <b>0.0006</b> | <b>0.0001</b> | <b>0.0030</b>        | <b>0.1380</b> |
| 2019-20 | BCCL         |               |               |               |                      |               |
|         | CCL          |               |               |               |                      |               |
|         | WCL          |               |               |               |                      |               |
|         | DCC          |               | 0.0010        | 0.0001        | 0.0020               | 0.0320        |
|         | SAIL         | 9.794         |               |               |                      |               |
|         | RINL         | 2.507         |               |               |                      |               |
|         | TSL          | 2.571         |               |               |                      |               |
|         | <b>Total</b> | <b>14.872</b> | <b>0.0010</b> | <b>0.0001</b> | <b>0.0020</b>        | <b>0.0320</b> |
| 2020-21 | BCCL         |               |               |               |                      |               |
|         | CCL          |               |               |               |                      |               |
|         | WCL          |               |               |               |                      |               |
|         | DCC          |               | 0.0010        | 0.0001        | 0.0020               | 0.0240        |
|         | SAIL         | 9.265         |               |               |                      |               |
|         | RINL         | 2.245         |               |               |                      |               |
|         | TSL          | 2.385         |               |               |                      |               |
|         | <b>Total</b> | <b>13.895</b> | <b>0.0010</b> | <b>0.0001</b> | <b>0.0020</b>        | <b>0.0240</b> |

Table 4.14: Grade Wise Despatch of Coking Coal by Companies during 2019-20

(Qty. in MT)

| Companies            | Despatch of Coking Coal |              |              |              |              |              |               |               |              |              |               |               |               |
|----------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|--------------|--------------|---------------|---------------|---------------|
|                      | Steel-I                 | Steel-II     | SC-1         | Wash-I       | Wash-II      | Wash-III     | Wash-IV       | Wash-V        | Wash-VI      | SLV1         | Met.Coal      | Non Met       | Total Coking  |
| (1)                  | (2)                     | (3)          | (4)          | (5)          | (6)          | (7)          | (8)           | (9)           | (10)         | (11)         | (12)          | (13)          | (14)          |
| ECL                  |                         |              |              |              |              | 0.018        |               |               |              |              | 0.000         | 0.018         | 0.018         |
| BCCL                 | 0.000                   | 0.080        |              | 0.020        | 0.219        | 1.635        | 12.631        | 5.141         | 2.386        |              | 22.112        | 0.000         | 22.112        |
| CCL                  |                         |              |              |              | 0.051        | 0.646        | 8.218         | 6.525         | 0.033        |              | 1.515         | 13.958        | 15.473        |
| NCL                  |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| WCL                  |                         |              |              |              |              |              | 0.184         |               |              |              | 0.000         | 0.184         | 0.184         |
| SECL                 |                         |              | 0.271        |              |              |              |               |               |              |              |               | 0.271         | 0.271         |
| SECL(GP-IV/2&3)      |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| SECL(GP-1)           |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| MCL                  |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| NEC                  |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| <b>CIL</b>           | <b>0.000</b>            | <b>0.080</b> | <b>0.271</b> | <b>0.020</b> | <b>0.270</b> | <b>2.299</b> | <b>21.033</b> | <b>11.666</b> | <b>2.419</b> | <b>0.000</b> | <b>23.627</b> | <b>14.431</b> | <b>38.058</b> |
| SCCL                 |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| JKML                 |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| DVC                  |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| IISCO                |                         |              |              |              |              | 0.000        | 0.092         |               |              |              | 0.092         | 0.000         | 0.092         |
| SAIL                 |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| JSMDCL               |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| RRVUNL               |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| NTPC                 |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| WBPDCCL              |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| CSPGCL               |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| TSPGCL               |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| OCPL                 |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| DPL                  |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| NLCIL                |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| <b>Total Public</b>  | <b>0.000</b>            | <b>0.080</b> | <b>0.271</b> | <b>0.020</b> | <b>0.270</b> | <b>2.299</b> | <b>21.125</b> | <b>11.666</b> | <b>2.419</b> | <b>0.000</b> | <b>23.719</b> | <b>14.431</b> | <b>38.150</b> |
| TSL                  |                         |              |              |              | 0.649        | 0.389        | 4.812         |               |              |              | 5.850         | 0.000         | 5.850         |
| CESC                 |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| HIL                  |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| SPL                  |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| GMR                  |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| BALCO                |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| SIL                  |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| JPVL                 |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| RCCPL                |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| TUML                 |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| OCL                  |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| AMBUJA               |                         |              |              |              |              |              |               |               |              |              |               | 0.000         | 0.000         |
| <b>Total Private</b> | <b>0.000</b>            | <b>0.000</b> | <b>0.000</b> | <b>0.000</b> | <b>0.649</b> | <b>0.389</b> | <b>4.812</b>  | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b> | <b>5.850</b>  | <b>0.000</b>  | <b>5.850</b>  |
| <b>All India</b>     | <b>0.000</b>            | <b>0.080</b> | <b>0.271</b> | <b>0.020</b> | <b>0.919</b> | <b>2.688</b> | <b>25.937</b> | <b>11.666</b> | <b>2.419</b> | <b>0.000</b> | <b>29.569</b> | <b>14.431</b> | <b>44.000</b> |

Share of Grade Wise Despatch of Coking Coal by Companies During 2020-21

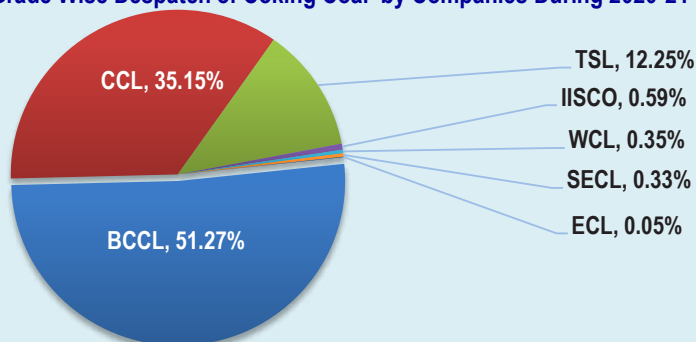


Table 4.15: Grade Wise Despatch of Non Coking Coal by Companies during 2020-21

(Qty. in MT)

| Companies           | Despatch of Non-Coking Coal |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |       |         |         | Total<br>Non<br>Coking | Total<br>Coal |
|---------------------|-----------------------------|-------|-------|--------|-------|-------|--------|--------|--------|--------|---------|--------|--------|--------|--------|-------|-------|-------|---------|---------|------------------------|---------------|
|                     | G1                          | G2    | G3    | G4     | G5    | G6    | G7     | G8     | G9     | G10    | G11     | G12    | G13    | G14    | G15    | G16   | G17   | Ungr  |         |         |                        |               |
| (1)                 | (2)                         | (3)   | (4)   | (5)    | (6)   | (7)   | (8)    | (9)    | (10)   | (11)   | (12)    | (13)   | (14)   | (15)   | (16)   | (17)  | (18)  | (20)  | (21)    | (22)    |                        |               |
| ECL                 |                             |       | 1.023 | 13.738 | 6.571 | 1.185 | 3.576  | 1.833  |        | 0.143  |         |        | 13.775 |        |        |       |       |       | 41.844  | 41.862  |                        |               |
| BCCL                |                             |       |       |        | 0.157 | 0.004 | 0.204  | 0.679  | 0.000  | 0.000  |         |        | 0.006  | 0.007  |        |       |       |       | 1.057   | 23.169  |                        |               |
| CCL                 |                             |       |       |        | 0.008 | 0.796 | 1.220  | 3.659  | 7.527  | 6.620  | 12.043  | 12.886 | 5.168  |        |        |       |       |       | 49.927  | 65.400  |                        |               |
| NCL                 |                             |       |       |        |       |       | 22.550 | 25.838 | 1.281  | 28.410 | 19.505  | 8.004  | 2.570  |        |        |       |       | 0.486 | 108.644 | 108.644 |                        |               |
| WCL                 |                             |       |       |        |       | 0.152 | 0.162  | 1.563  | 6.276  | 15.735 | 16.658  | 5.771  | 3.187  |        |        |       |       |       | 49.504  | 49.688  |                        |               |
| SECL                |                             |       | 1.638 | 0.000  | 0.850 | 2.512 | 4.879  | 6.569  | 2.410  | 2.396  | 100.869 | 0.875  | 4.803  | 1.093  | 6.361  | 0.001 |       |       | 135.256 | 135.527 |                        |               |
| SECL<br>(GP-IV/2&3) |                             |       |       |        |       |       |        |        |        |        |         | 0.559  |        | 0.674  | 0.344  | 1.664 |       |       | 3.241   | 3.241   |                        |               |
| SECL(GP-1)          |                             |       |       |        |       |       |        |        |        |        |         | 0.000  | 0.000  |        | 0.000  | 0.000 | 0.000 |       | 0.000   | 0.000   |                        |               |
| MCL                 |                             |       |       |        |       |       |        | 0.059  | 0.000  | 0.000  | 0.038   | 43.712 | 27.346 | 65.177 | 9.675  |       |       |       | 146.007 | 146.007 |                        |               |
| NEC                 | 0.011                       | 0.039 |       | 0.001  |       | 0.039 |        |        |        |        |         |        |        |        |        |       |       |       | 0.090   | 0.090   |                        |               |
| CIL                 | 0.011                       | 0.039 | 2.661 | 13.739 | 7.586 | 4.688 | 32.591 | 40.200 | 17.494 | 53.304 | 149.113 | 71.807 | 56.855 | 66.951 | 16.380 | 1.665 | 0.000 | 0.486 | 535.570 | 573.628 |                        |               |
| SCCL                |                             |       |       |        | 0.483 | 0.069 | 3.757  | 3.861  | 2.603  | 11.063 | 6.623   | 1.365  | 14.748 | 0.006  | 3.430  | 0.000 | 0.065 | 0.440 | 48.513  | 48.513  |                        |               |
| JKML                |                             |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       | 0.008 |       | 0.008   | 0.008   |                        |               |
| DVC                 |                             |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |       | 0.000   | 0.000   |                        |               |
| IISCO               |                             |       |       |        | 0.083 |       | 0.017  |        |        |        |         |        |        |        |        |       |       |       | 0.100   | 0.192   |                        |               |
| SAIL                |                             |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |       | 0.000   | 0.000   |                        |               |
| JSMDCL              |                             |       |       |        |       |       |        |        |        |        |         | 0.069  |        |        |        |       |       |       | 0.069   | 0.069   |                        |               |
| RRVUNL              |                             |       |       |        |       |       |        |        |        |        | 10.193  |        | 0.100  |        |        | 0.000 | 4.707 |       | 15.000  | 15.000  |                        |               |
| NTPC                |                             |       |       |        |       |       |        | 6.638  |        | 0.392  | 0.509   | 3.400  |        |        |        |       |       |       | 10.939  | 10.939  |                        |               |
| WBPDCCL             |                             |       |       |        |       |       | 0.207  |        | 4.279  | 1.424  |         | 0.448  | 0.230  |        |        |       |       |       | 6.588   | 6.588   |                        |               |
| CSPGCL              |                             |       |       |        |       |       |        |        |        |        |         |        | 0.536  | 0.637  | 0.094  | 0.393 |       |       | 1.660   | 1.660   |                        |               |
| TSPGCL              |                             |       |       |        |       |       |        | 2.020  |        |        |         |        |        |        |        |       |       |       | 2.020   | 2.020   |                        |               |
| OCPL                |                             |       |       |        |       |       |        |        |        |        |         |        |        | 1.804  |        |       |       |       | 1.804   | 1.804   |                        |               |
| DPL                 |                             |       |       |        |       |       |        |        |        |        |         | 0.024  |        |        |        |       |       |       | 0.024   | 0.024   |                        |               |
| NLCIL               |                             |       |       |        |       |       |        |        |        |        |         |        |        | 0.700  |        |       |       |       | 0.700   | 0.700   |                        |               |
| Total Public        | 0.011                       | 0.039 | 2.661 | 13.739 | 8.152 | 4.757 | 36.572 | 46.081 | 31.014 | 65.791 | 166.321 | 74.222 | 75.869 | 70.098 | 19.904 | 2.058 | 4.780 | 0.926 | 622.995 | 661.145 |                        |               |
| TSL                 |                             |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |       | 0.000   | 5.850   |                        |               |
| CESC                |                             |       |       |        |       |       |        |        |        |        | 1.963   |        |        |        |        |       |       |       | 1.963   | 1.963   |                        |               |
| HIL                 |                             |       |       |        |       | 0.024 | 0.000  | 0.219  | 0.000  | 0.000  | 0.000   | 0.074  |        |        |        |       |       |       | 0.317   | 0.317   |                        |               |
| SPL                 |                             |       |       |        |       |       |        |        |        | 18.067 |         |        |        |        |        |       |       |       | 18.067  | 18.067  |                        |               |
| GMR                 |                             |       |       |        |       |       |        |        |        |        |         |        |        |        |        |       |       |       | 0.000   | 0.000   |                        |               |
| BALCO               |                             |       |       |        |       |       |        | 0.097  |        |        | 0.000   | 0.134  |        |        |        |       |       |       | 0.231   | 0.231   |                        |               |
| SIL                 |                             |       |       |        |       |       |        | 0.100  |        |        |         |        |        |        |        |       |       |       | 0.100   | 0.100   |                        |               |
| JPVL                |                             |       |       |        |       |       |        |        |        |        | 2.801   |        |        |        |        |       |       |       | 2.801   | 2.801   |                        |               |
| RCCPL               |                             |       |       |        |       |       |        | 0.173  |        |        |         |        |        |        |        |       |       |       | 0.173   | 0.173   |                        |               |
| TUML                |                             |       |       |        |       |       |        |        |        |        |         | 0.002  | 0.111  |        |        |       |       |       | 0.113   | 0.113   |                        |               |
| OCL                 |                             |       |       |        |       |       | 0.000  |        |        |        |         |        |        |        |        |       |       |       | 0.000   | 0.000   |                        |               |
| AMBUJA              |                             |       |       |        |       |       |        |        |        | 0.000  | 0.057   | 0.002  | 0.065  |        |        |       |       |       | 0.124   | 0.124   |                        |               |
| Total Private       | 0.000                       | 0.000 | 0.000 | 0.000  | 0.000 | 0.024 | 0.000  | 0.589  | 0.000  | 18.067 | 4.821   | 0.212  | 0.176  | 0.000  | 0.000  | 0.000 | 0.000 | 0.000 | 23.889  | 29.739  |                        |               |
| All India           | 0.011                       | 0.039 | 2.661 | 13.739 | 8.152 | 4.781 | 36.572 | 46.670 | 31.014 | 83.858 | 171.142 | 74.434 | 76.045 | 70.098 | 19.904 | 2.058 | 4.780 | 0.926 | 646.884 | 690.884 |                        |               |

Share of Grade Wise Despatch of Non-Coking Coal by Companies during 2020-21

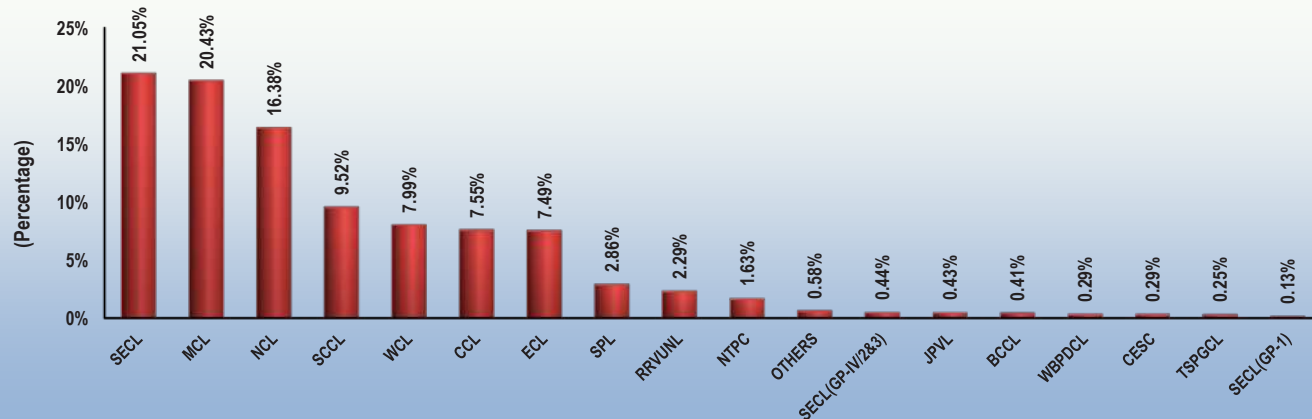
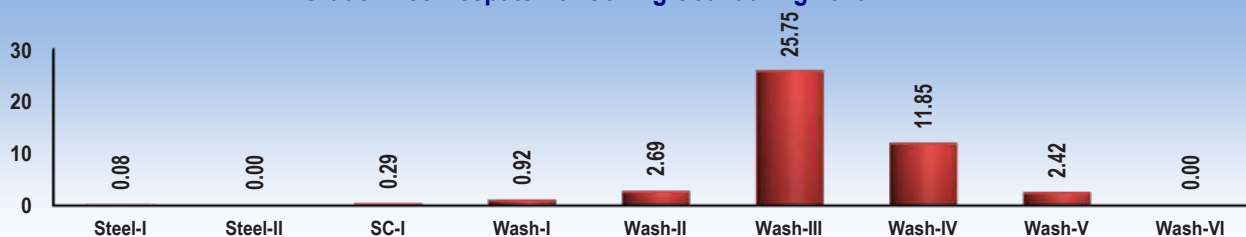


Table 4.16: Grade Wise and State Wise Despatch of Coking Coal and Non-Coking Coal in 2020-21

(Qty. in MT)

| Grade      | Assam | Chhattisgarh | Jammu & Kashmir | Jharkhand | Madhya Pradesh | Maharashtra | Odisha  | Telangana | Uttar Pradesh | West Bengal | All India |
|------------|-------|--------------|-----------------|-----------|----------------|-------------|---------|-----------|---------------|-------------|-----------|
| (1)        | (2)   | (3)          | (4)             | (5)       | (6)            | (7)         | (8)     | (9)       | (10)          | (11)        | (12)      |
| Steel-I    |       |              |                 | 0.080     |                |             |         |           |               |             | 0.080     |
| Steel-II   |       |              |                 |           |                |             |         |           |               |             | 0.000     |
| SC-I       |       | 0.271        |                 | 0.020     |                |             |         |           |               |             | 0.291     |
| Wash-I     |       |              |                 | 0.919     |                |             |         |           |               |             | 0.919     |
| Wash-II    |       |              |                 | 2.688     |                |             |         |           |               |             | 2.688     |
| Wash-III   |       |              |                 | 25.753    |                |             |         |           |               |             | 25.753    |
| Wash-IV    |       |              |                 | 11.666    | 0.184          |             |         |           |               |             | 11.850    |
| Wash-V     |       |              |                 | 2.419     |                |             |         |           |               |             | 2.419     |
| Wash-VI    |       |              |                 |           |                |             |         |           |               |             | 0.000     |
| Mg Feed    |       |              |                 |           |                |             |         |           |               |             | 0.000     |
| SLV1       |       |              |                 |           |                |             |         |           |               |             | 0.000     |
| Met.Coal   |       |              |                 | 29.569    | 0.054          |             |         |           |               | 0.294       | 29.917    |
| Non Met    | 0.000 | 0.271        | 0.000           | 13.976    | 0.130          | 0.000       | 0.000   | 0.000     | 0.000         | -0.294      | 14.083    |
| Tot Ckg.   | 0.000 | 0.271        | 0.000           | 43.545    | 0.184          | 0.000       | 0.000   | 0.000     | 0.000         | 0.000       | 44.000    |
| G1         | 0.011 |              |                 |           |                |             |         |           |               |             | 0.011     |
| G2         | 0.039 |              |                 |           |                |             |         |           |               |             | 0.039     |
| G3         |       | 1.638        |                 | 0.228     |                |             |         |           |               | 0.795       | 2.661     |
| G4         | 0.001 |              |                 | 0.043     |                |             |         |           |               | 13.695      | 13.739    |
| G5         |       | 0.773        |                 | 0.975     | 0.077          |             |         | 0.483     |               | 5.844       | 8.152     |
| G6         | 0.039 | 0.354        |                 | 0.844     | 2.286          | 0.024       |         | 0.069     |               | 1.165       | 4.781     |
| G7         |       | 4.049        |                 | 3.049     | 23.446         | 0.096       |         | 3.757     |               | 2.175       | 36.572    |
| G8         |       | 1.727        |                 | 4.406     | 9.852          | 0.936       | 0.059   | 5.881     | 22.044        | 1.765       | 46.670    |
| G9         |       | 1.777        |                 | 18.444    | 1.348          | 5.561       |         | 2.603     | 1.281         |             | 31.014    |
| G10        |       | 1.767        |                 | 6.763     | 37.116         | 15.605      |         | 11.063    | 10.177        | 1.424       | 83.915    |
| G11        |       | 110.290      |                 | 12.043    | 19.237         | 16.526      | 0.038   | 6.623     | 4.367         | 1.963       | 171.087   |
| G12        |       | 2.216        |                 | 12.955    | 9.129          | 4.648       | 43.712  | 1.365     |               | 0.472       | 74.497    |
| G13        |       | 5.439        |                 | 18.943    | 2.693          | 3.175       | 30.746  | 14.748    |               | 0.236       | 75.980    |
| G14        |       | 2.388        |                 |           | 0.016          |             | 67.681  | 0.006     |               | 0.007       | 70.098    |
| G15        |       | 6.799        |                 |           |                |             | 9.675   | 3.430     |               |             | 19.904    |
| G16        |       | 6.765        |                 |           |                |             |         |           |               |             | 6.765     |
| G17        |       |              | 0.008           |           |                |             |         | 0.065     |               |             | 0.073     |
| Ungr       |       |              |                 |           |                |             |         |           |               |             | 0.000     |
| Mg Feed    |       |              |                 |           |                |             |         | 0.440     | 0.486         |             | 0.926     |
| Tot. Nckg  | 0.090 | 145.982      | 0.008           | 78.693    | 105.200        | 46.571      | 151.911 | 50.533    | 38.355        | 29.541      | 646.884   |
| Total Coal | 0.090 | 146.253      | 0.008           | 122.238   | 105.384        | 46.571      | 151.911 | 50.533    | 38.355        | 29.541      | 690.884   |

Grade Wise Despatch of Coking Coal during 2020-21



Grade Wise Despatch of Non-Coking Coal during 2020-21

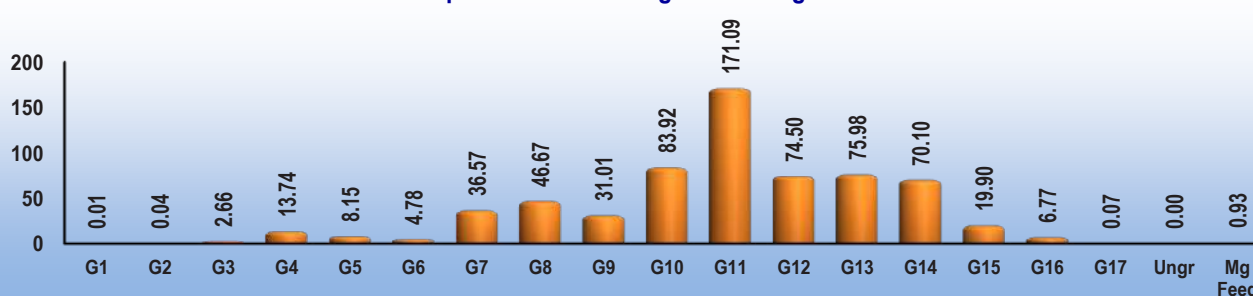


Table 4.17: Grade Wise Despatch of Coking Coal and Non-Coking Coal in India during Last Ten Years

(Qty. in MT)

| Type              | Grade             | 2011-12        | New Grade | 2012-13        | 2013-14        | 2014-15        | 2015-16        | 2016-17        | 2017-18        | 2018-19        | 2019-20        | 2020-21        |
|-------------------|-------------------|----------------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| (1)               | (2)               | (3)            |           | (4)            | (5)            | (6)            | (7)            | (8)            | (9)            | (10)           | (11)           | (12)           |
| Coking Coal       | Steel-I           | 0.092          | Steel-I   | 0.075          | 0.071          | 0.052          | 0.029          | 0.014          | 0.052          | 0.117          | 0.039          | 0.080          |
|                   | Steel-II          | 1.271          | Steel-II  | 1.671          | 0.898          | 0.327          | 1.035          | 0.969          | 0.095          | 0.179          | 0.128          | 0.000          |
|                   | SC-I              | 0.204          | SC-I      | 0.166          | 0.130          | 0.132          | 0.108          | 0.018          | 0.305          | 0.253          | 0.169          | 0.291          |
|                   | Wash-I            | 0.185          | Wash-I    | 0.297          | 0.190          | 0.102          | 0.198          | 0.166          | 0.052          | 0.042          | 0.155          | 0.919          |
|                   | Wash-II           | 1.816          | Wash-II   | 1.812          | 1.921          | 1.693          | 2.016          | 2.221          | 3.068          | 2.957          | 2.328          | 2.688          |
|                   | Wash-III          | 13.730         | Wash-III  | 13.335         | 13.582         | 12.177         | 13.155         | 11.504         | 4.133          | 8.865          | 9.369          | 25.753         |
|                   | Wash-IV           | 34.425         | Wash-IV   | 38.500         | 41.563         | 41.955         | 38.860         | 41.106         | 34.550         | 30.905         | 30.880         | 11.850         |
|                   | Wash-V            |                | Wash-V    |                |                |                |                |                |                |                | 7.581          | 2.419          |
|                   | Wash-VI           |                | Wash-VI   |                |                |                |                |                |                |                | 0.007          | 0.000          |
|                   | Mg Feed           |                | Mg Feed   |                |                |                | 3.812          | 3.310          | 3.125          | 0.000          | 0.000          | 0.000          |
|                   | SLV1              | 0.000          | SLV1      | 0.003          | 0.109          |                |                | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          |
|                   | Met.Coal          | 15.903         | Met.Coal  | 14.730         | 15.236         | 13.494         | 13.866         | 14.039         | 34.199         | 35.255         | 34.784         | 29.917         |
|                   | Non Met           | 35.820         | Non Met   | 41.129         | 43.228         | 42.944         | 45.347         | 45.269         | 11.181         | 8.063          | 15.872         | 14.083         |
|                   | <b>Coking</b>     | <b>51.723</b>  |           | <b>55.859</b>  | <b>58.464</b>  | <b>56.438</b>  | <b>59.213</b>  | <b>59.308</b>  | <b>45.380</b>  | <b>43.318</b>  | <b>50.656</b>  | <b>44.000</b>  |
| Non-Coking Coal   | A                 | 14.678         | G1        | 5.864          | 6.130          | 2.772          | 3.766          | 2.425          | 1.753          | 0.099          | 0.020          | 0.011          |
|                   | B                 | 60.175         | G2        | 0.522          | 0.264          | 0.621          | 0.323          | 0.396          | 1.475          | 0.430          | 0.340          | 0.039          |
|                   | C                 | 28.050         | G3        | 4.985          | 4.747          | 4.698          | 4.252          | 4.519          | 15.411         | 3.332          | 3.193          | 2.661          |
|                   | D                 | 51.887         | G4        | 19.140         | 21.944         | 19.647         | 18.299         | 17.788         | 10.347         | 14.702         | 14.098         | 13.739         |
|                   | E                 | 106.834        | G5        | 17.431         | 16.537         | 16.296         | 15.457         | 15.731         | 7.926          | 11.726         | 12.182         | 8.152          |
|                   | F                 | 197.845        | G6        | 20.787         | 16.314         | 20.186         | 11.348         | 12.463         | 11.366         | 8.802          | 5.150          | 4.781          |
|                   | G                 | 13.386         | G7        | 35.934         | 36.620         | 38.705         | 39.978         | 15.460         | 39.526         | 42.694         | 42.733         | 36.572         |
|                   | SLV               |                | G8        | 27.198         | 31.275         | 29.283         | 27.671         | 31.952         | 37.935         | 56.671         | 47.032         | 46.670         |
|                   |                   |                | G9        | 71.963         | 54.287         | 50.547         | 49.721         | 45.890         | 31.051         | 31.130         | 30.641         | 31.014         |
|                   |                   |                | G10       | 64.307         | 64.193         | 76.369         | 90.982         | 92.730         | 110.027        | 105.981        | 98.989         | 83.915         |
|                   |                   |                | G11       | 110.285        | 119.125        | 137.861        | 139.256        | 137.036        | 164.745        | 178.854        | 176.276        | 171.087        |
|                   |                   |                | G12       | 57.847         | 76.740         | 82.302         | 95.594         | 98.041         | 58.393         | 69.116         | 64.948         | 74.497         |
|                   |                   |                | G13       | 62.881         | 50.900         | 55.655         | 69.746         | 92.405         | 93.685         | 99.528         | 86.351         | 75.980         |
|                   |                   |                | G14       | 3.079          | 4.112          | 4.205          | 2.818          | 3.901          | 39.801         | 50.650         | 52.517         | 70.098         |
|                   |                   |                | G15       | 3.177          | 3.359          | 3.446          | 2.837          | 3.128          | 7.412          | 6.783          | 11.573         | 19.904         |
|                   |                   |                | G16       | 1.476          | 2.480          | 1.579          | 0.000          | 2.642          | 3.743          | 3.083          | 3.723          | 6.765          |
|                   |                   |                | G17       | 4.401          | 4.523          | 3.141          | 0.643          | 0.320          | 1.404          | 3.356          | 5.252          | 0.073          |
|                   | Ungr              | 10.721         | Ungr      |                | 0.046          | 0.021          | 0.538          | 0.539          | 2.340          | 2.539          | 0.366          | 0.000          |
|                   |                   |                | Mg Feed   |                |                |                |                | 9.304          | 6.283          | 0.000          | 1.136          | 0.926          |
|                   | <b>Non-Coking</b> | <b>483.576</b> |           | <b>511.277</b> | <b>513.596</b> | <b>547.334</b> | <b>573.229</b> | <b>586.670</b> | <b>644.623</b> | <b>689.476</b> | <b>656.520</b> | <b>646.884</b> |
| <b>Total Coal</b> |                   | <b>535.299</b> |           | <b>567.136</b> | <b>572.060</b> | <b>603.772</b> | <b>632.442</b> | <b>645.978</b> | <b>690.003</b> | <b>732.794</b> | <b>707.176</b> | <b>690.884</b> |

**Table 4.18: Mode Wise & Company Wise Despatch of Coal (External & Internal) and Coal Products (Washed Coal & Middlings) in 2020-21**  
(Qty. in MT)

| Company            | Raw Coal/<br>Coal Product | 2020-21 (External) |                |               |              |                |              |                | 2020-21 (Internal) |               |               |              |              |              |               | Grand Total    |
|--------------------|---------------------------|--------------------|----------------|---------------|--------------|----------------|--------------|----------------|--------------------|---------------|---------------|--------------|--------------|--------------|---------------|----------------|
|                    |                           | Rail               | Road           | Belt          | Rope         | Mgr            | Other        | Total          | Rail               | Road          | Belt          | Rope         | Mgr          | Other        | Total         |                |
| (1)                | (2)                       | (3)                | (4)            | (5)           | (6)          | (7)            | (8)          | (9)            | (10)               | (11)          | (12)          | (13)         | (14)         | (15)         | (16)          | (17)           |
| ECL                | RC                        | 28.102             | 3.006          |               |              | 10.754         |              | 41.862         |                    |               |               |              |              |              | 0.000         | 41.862         |
| BCCL               | RC                        | 15.943             | 4.553          |               |              |                |              | 20.496         | 0.458              | 2.215         |               |              |              |              | 2.673         | 23.169         |
| BCCL               | CP                        | 1.700              | 0.134          |               |              |                |              | 1.834          |                    |               |               |              |              |              | 0.000         | 1.834          |
| CCL                | RC                        | 48.122             | 10.234         |               |              |                |              | 58.356         | 7.044              |               |               |              |              |              | 7.044         | 65.400         |
| CCL                | CP                        | 6.605              |                |               |              |                |              | 6.605          |                    |               |               |              |              |              | 0.000         | 6.605          |
| NCL                | RC                        | 35.935             | 17.346         | 3.230         |              | 52.133         |              | 108.644        |                    |               |               |              |              |              | 0.000         | 108.644        |
| WCL                | RC                        | 34.163             | 12.878         | 0.206         | 1.732        | 0.709          |              | 49.688         |                    |               |               |              |              |              | 0.000         | 49.688         |
| SECL               | RC                        | 64.960             | 37.129         | 6.680         |              | 25.030         | 1.728        | 135.527        |                    |               |               |              |              |              | 0.000         | 135.527        |
| SECL(GP-IV/2&3)    | RC                        |                    | 3.241          |               |              |                |              | 3.241          |                    |               |               |              |              |              | 0.000         | 3.241          |
| SECL(GP-IV/1)      | RC                        |                    |                |               |              |                |              | 0.000          |                    |               |               |              |              |              | 0.000         | 0.000          |
| MCL                | RC                        | 96.251             | 33.389         | 1.214         |              | 15.153         |              | 146.007        |                    |               |               |              |              |              | 0.000         | 146.007        |
| NEC                | RC                        | 0.073              | 0.017          |               |              |                |              | 0.090          |                    |               |               |              |              |              | 0.000         | 0.090          |
| <b>CIL</b>         | <b>RC</b>                 | <b>323.549</b>     | <b>121.793</b> | <b>11.330</b> | <b>1.732</b> | <b>103.779</b> | <b>1.728</b> | <b>563.911</b> | <b>7.502</b>       | <b>2.215</b>  | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b> | <b>0.000</b> | <b>9.717</b>  | <b>573.628</b> |
| <b>CIL</b>         | <b>CP</b>                 | <b>8.305</b>       | <b>0.134</b>   | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b>   | <b>0.000</b> | <b>8.439</b>   | <b>0.000</b>       | <b>0.000</b>  | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>  | <b>8.439</b>   |
| SCCL               | RC                        | 34.022             | 7.309          |               | 0.344        | 6.838          |              | 48.513         |                    |               |               |              |              |              | 0.000         | 48.513         |
| JKML               | RC                        |                    | 0.008          |               |              |                |              | 0.008          |                    |               |               |              |              |              | 0.000         | 0.008          |
| DVC                | RC                        |                    |                |               |              |                |              | 0.000          |                    |               |               |              |              |              | 0.000         | 0.000          |
| IISCO              | RC                        |                    | 0.100          |               |              |                |              | 0.100          |                    | 0.049         |               | 0.043        |              |              | 0.092         | 0.192          |
| IISCO              | CP                        | 1.037              |                |               |              |                |              | 1.037          |                    |               |               |              |              |              | 0.000         | 1.037          |
| SAIL               | RC                        |                    |                |               |              |                |              | 0.000          |                    |               |               |              |              |              | 0.000         | 0.000          |
| JSMDCL             | RC                        |                    | 0.069          |               |              |                |              | 0.069          |                    |               |               |              |              |              | 0.000         | 0.069          |
| RRVUNL             | RC                        |                    |                |               |              |                |              | 0.000          |                    |               | 15.000        |              |              |              | 15.000        | 15.000         |
| RRVUNL             | CP                        | 12.327             |                |               |              |                |              | 12.327         |                    |               |               |              |              |              | 0.000         | 12.327         |
| NTPC               | RC                        |                    | 0.901          |               |              |                |              | 0.901          |                    | 6.841         |               |              | 3.197        |              | 10.038        | 10.939         |
| WBPDCCL            | RC                        | 4.279              | 2.309          |               |              |                |              | 6.588          |                    |               |               |              |              |              | 0.000         | 6.588          |
| CSPGCL             | RC                        |                    |                |               |              |                |              | 0.000          |                    | 1.660         |               |              |              |              | 1.660         | 1.660          |
| TSPGCL             | RC                        |                    |                |               |              |                |              | 0.000          |                    | 2.020         |               |              |              |              | 2.020         | 2.020          |
| OCPL               | RC                        |                    | 1.804          |               |              |                |              | 1.804          |                    |               |               |              |              |              | 0.000         | 1.804          |
| DPL                | RC                        |                    |                |               |              |                |              | 0.000          |                    | 0.024         |               |              |              |              | 0.024         | 0.024          |
| NLCIL              | RC                        |                    |                |               |              |                |              | 0.000          |                    | 0.700         |               |              |              |              | 0.700         | 0.700          |
| <b>Public</b>      | <b>RC</b>                 | <b>361.850</b>     | <b>134.293</b> | <b>11.330</b> | <b>2.076</b> | <b>110.617</b> | <b>1.728</b> | <b>621.894</b> | <b>7.502</b>       | <b>13.509</b> | <b>15.000</b> | <b>0.043</b> | <b>3.197</b> | <b>0.000</b> | <b>39.251</b> | <b>661.145</b> |
| <b>Public</b>      | <b>CP</b>                 | <b>21.669</b>      | <b>0.134</b>   | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b>   | <b>0.000</b> | <b>21.803</b>  | <b>0.000</b>       | <b>0.000</b>  | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>  | <b>21.803</b>  |
| TSL                | RC                        |                    |                |               |              |                |              | 0.000          |                    | 0.091         | 5.759         |              |              |              | 5.850         | 5.850          |
| TSL                | CP                        | 4.192              |                |               |              |                |              | 4.192          |                    |               |               |              |              |              | 0.000         | 4.192          |
| CESC               | RC                        |                    |                |               |              |                |              | 0.000          |                    | 1.963         |               |              |              |              | 1.963         | 1.963          |
| CESC               | CP                        |                    | 0.755          |               |              |                |              | 0.755          |                    |               |               |              |              |              | 0.000         | 0.755          |
| HIL                | RC                        |                    | 0.024          |               |              |                |              | 0.024          |                    | 0.293         |               |              |              |              | 0.293         | 0.317          |
| SPL                | RC                        |                    | 18.067         |               |              |                |              | 18.067         |                    |               |               |              |              |              | 0.000         | 18.067         |
| GMR                | RC                        |                    |                |               |              |                |              | 0.000          |                    |               |               |              |              |              | 0.000         | 0.000          |
| BALCO              | RC                        |                    |                |               |              |                |              | 0.000          |                    | 0.231         |               |              |              |              | 0.231         | 0.231          |
| SIL                | RC                        | 0.100              |                |               |              |                |              | 0.100          |                    |               |               |              |              |              | 0.000         | 0.100          |
| JPVL               | RC                        |                    |                |               |              |                |              | 0.000          | 2.801              |               |               |              |              |              | 2.801         | 2.801          |
| RCCPL              | RC                        |                    | 0.173          |               |              |                |              | 0.173          |                    |               |               |              |              |              | 0.000         | 0.173          |
| TUML               | RC                        |                    | 0.103          |               |              |                |              | 0.103          |                    | 0.010         |               |              |              |              | 0.010         | 0.113          |
| TUML               | CP                        |                    | 0.009          |               |              |                |              | 0.009          |                    |               |               |              |              |              | 0.000         | 0.009          |
| OCL                | RC                        |                    |                |               |              |                |              | 0.000          |                    |               |               |              |              |              | 0.000         | 0.000          |
| AMBUJA             | RC                        |                    |                |               |              |                |              | 0.000          |                    | 0.124         |               |              |              |              | 0.124         | 0.124          |
| MEG                |                           |                    |                |               |              |                |              |                |                    |               |               |              |              |              |               |                |
| <b>Private</b>     | <b>RC</b>                 | <b>0.100</b>       | <b>18.367</b>  | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b>   | <b>0.000</b> | <b>18.467</b>  | <b>2.801</b>       | <b>2.712</b>  | <b>5.759</b>  | <b>0.000</b> | <b>0.000</b> | <b>0.000</b> | <b>11.272</b> | <b>29.739</b>  |
| <b>Private</b>     | <b>CP</b>                 | <b>4.192</b>       | <b>0.764</b>   | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b>   | <b>0.000</b> | <b>4.956</b>   | <b>0.000</b>       | <b>0.000</b>  | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>  | <b>4.956</b>   |
| <b>Grand Total</b> | <b>RC</b>                 | <b>361.950</b>     | <b>152.660</b> | <b>11.330</b> | <b>2.076</b> | <b>110.617</b> | <b>1.728</b> | <b>640.361</b> | <b>10.303</b>      | <b>16.221</b> | <b>20.759</b> | <b>0.043</b> | <b>3.197</b> | <b>0.000</b> | <b>50.523</b> | <b>690.884</b> |
| <b>Grand Total</b> | <b>CP</b>                 | <b>25.861</b>      | <b>0.898</b>   | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b>   | <b>0.000</b> | <b>26.759</b>  | <b>0.000</b>       | <b>0.000</b>  | <b>0.000</b>  | <b>0.000</b> | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>  | <b>26.759</b>  |

RC=Raw Coal CP=Coal Products

Table 4.19: Company Wise Off-take of Raw Coal to Different Priority Sectors ( Including Washeries) during 2020-21

(Qty. in MT)

| Company              | Power (Utility) | Power (Captive) | Direct Feed  | Coking Washery | Cokeries     | Non Coking Washery | Steel (Boilers) | Cement       | Fertilisers  | Sponge Iron  | Other basic-Metal (Aluminium etc) | Chemical     | Pulp & Paper | Textiles & Rayons | Bricks       | Other         | Total Despatch | Colliery Own - Consumption | Colliery Staff | Total Offtake  |
|----------------------|-----------------|-----------------|--------------|----------------|--------------|--------------------|-----------------|--------------|--------------|--------------|-----------------------------------|--------------|--------------|-------------------|--------------|---------------|----------------|----------------------------|----------------|----------------|
| (1)                  | (2)             | (3)             | (4)          | (5)            | (6)          | (7)                | (8)             | (9)          | (10)         | (11)         | (12)                              | (13)         | (14)         | (15)              | (16)         | (17)          | (18)           | (19)                       | (20)           | (21)           |
| ECL                  | 36.170          | 0.193           | 0.312        |                |              |                    |                 | 0.093        |              | 0.340        |                                   |              |              |                   |              | 4.754         | 41.862         | 0.177                      |                | 42.039         |
| BCCL                 | 17.120          |                 |              | 1.030          |              |                    |                 |              | 0.942        |              |                                   |              |              |                   |              | 4.077         | 23.169         | 0.005                      |                | 23.174         |
| CCL                  | 47.407          | 1.658           | 0.053        | 1.515          |              | 5.528              |                 | 0.016        | 0.130        | 0.642        |                                   |              |              |                   |              | 8.451         | 65.400         |                            |                | 65.400         |
| NCL                  | 94.550          | 7.754           |              |                |              |                    |                 | 0.275        |              | 0.159        |                                   |              |              |                   |              | 5.906         | 108.644        |                            |                | 108.644        |
| WCL                  | 41.896          | 1.242           |              |                |              |                    |                 | 1.793        |              | 0.253        |                                   |              | 0.205        | 0.018             |              | 4.281         | 49.688         | 0.004                      |                | 49.692         |
| SECL                 | 102.494         | 11.369          | 0.023        |                |              |                    |                 | 2.081        | 0.455        | 5.475        |                                   |              |              |                   |              | 13.630        | 135.527        | 0.009                      |                | 135.536        |
| SECL(GP-IV/2&3)      | 1.567           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              | 1.674         | 3.241          |                            |                | 3.241          |
| SECL(GP-IV/1)        |                 |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                            |                | 0.000          |
| MCL                  | 86.152          | 20.471          |              |                |              |                    |                 | 0.170        |              | 2.578        | 0.555                             |              |              |                   |              | 36.081        | 146.007        | 0.002                      |                | 146.009        |
| NEC                  | 0.058           | 0.004           |              |                |              |                    |                 | 0.020        |              |              |                                   |              |              |                   |              | 0.008         | 0.090          |                            |                | 0.090          |
| CIL                  | 427.414         | 42.691          | 0.388        | 2.545          | 0.000        | 5.528              | 0.000           | 4.448        | 1.527        | 9.447        | 0.555                             | 0.000        | 0.205        | 0.018             | 0.000        | 78.862        | 573.628        | 0.197                      | 0.000          | 573.825        |
| SCCL                 | 40.894          | 2.389           |              |                |              |                    |                 | 2.009        |              | 0.063        | 0.128                             | 0.158        | 0.840        | 0.062             | 0.001        | 1.969         | 48.513         |                            |                | 48.513         |
| JKML                 |                 |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              | 0.008         | 0.008          |                            |                | 0.008          |
| DVC                  |                 |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                            |                | 0.000          |
| IISCO                |                 |                 |              | 0.092          |              |                    | 0.100           |              |              |              |                                   |              |              |                   |              |               | 0.192          |                            |                | 0.192          |
| SAIL                 |                 |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                            |                | 0.000          |
| JSMDCL               | 0.045           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   | 0.024        |               | 0.069          |                            |                | 0.069          |
| RRVUNL               | 15.000          |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 15.000         |                            |                | 15.000         |
| NTPC                 | 10.939          |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 10.939         |                            |                | 10.939         |
| WBPDCCL              | 6.588           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 6.588          |                            |                | 6.588          |
| CSPGCL               | 1.660           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 1.660          |                            |                | 1.660          |
| TSPGCL               | 2.020           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 2.020          |                            |                | 2.020          |
| OCPL                 | 1.804           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 1.804          |                            |                | 1.804          |
| DPL                  | 0.024           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 0.024          |                            |                | 0.024          |
| NLCIL                | 0.700           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 0.700          |                            |                | 0.700          |
| <b>Total Public</b>  | <b>507.088</b>  | <b>45.080</b>   | <b>0.388</b> | <b>2.637</b>   | <b>0.000</b> | <b>5.528</b>       | <b>0.100</b>    | <b>6.457</b> | <b>1.527</b> | <b>9.510</b> | <b>0.683</b>                      | <b>0.158</b> | <b>1.045</b> | <b>0.080</b>      | <b>0.025</b> | <b>80.839</b> | <b>661.145</b> | <b>0.197</b>               | <b>0.000</b>   | <b>661.342</b> |
| TSL                  |                 |                 | 4.949        | 0.901          |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 5.850          |                            |                | 5.850          |
| CESC                 | 0.989           |                 |              |                |              | 0.974              |                 |              |              |              |                                   |              |              |                   |              |               | 1.963          |                            |                | 1.963          |
| HIL                  |                 | 0.317           |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 0.317          |                            |                | 0.317          |
| SPL                  | 18.067          |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 18.067         |                            |                | 18.067         |
| GMR                  |                 |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                            |                | 0.000          |
| BALCO                |                 | 0.231           |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 0.231          |                            |                | 0.231          |
| SIL                  |                 | 0.055           |              |                |              |                    |                 |              |              | 0.045        |                                   |              |              |                   |              |               | 0.100          |                            |                | 0.100          |
| JPVL                 | 2.801           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 2.801          |                            |                | 2.801          |
| RCCPL                |                 |                 |              |                |              |                    |                 | 0.173        |              |              |                                   |              |              |                   |              |               | 0.173          |                            |                | 0.173          |
| TUML                 |                 | 0.103           |              |                |              | 0.010              |                 |              |              |              |                                   |              |              |                   |              |               | 0.113          |                            |                | 0.113          |
| OCL                  |                 |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                            |                | 0.000          |
| AMBUJA               |                 |                 |              |                |              |                    |                 | 0.124        |              |              |                                   |              |              |                   |              |               | 0.124          |                            |                | 0.124          |
| <b>Total Private</b> | <b>21.857</b>   | <b>0.706</b>    | <b>4.949</b> | <b>0.901</b>   | <b>0.000</b> | <b>0.984</b>       | <b>0.000</b>    | <b>0.297</b> | <b>0.000</b> | <b>0.045</b> | <b>0.000</b>                      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.000</b>  | <b>29.739</b>  | <b>0.000</b>               | <b>0.000</b>   | <b>29.739</b>  |
| <b>Grand Total</b>   | <b>528.945</b>  | <b>45.786</b>   | <b>5.337</b> | <b>3.538</b>   | <b>0.000</b> | <b>6.512</b>       | <b>0.100</b>    | <b>6.754</b> | <b>1.527</b> | <b>9.555</b> | <b>0.683</b>                      | <b>0.158</b> | <b>1.045</b> | <b>0.080</b>      | <b>0.025</b> | <b>80.839</b> | <b>690.884</b> | <b>0.197</b>               | <b>0.000</b>   | <b>691.081</b> |

Despatch of Raw Coal to Power Sector of the Large Companies in 2020-21

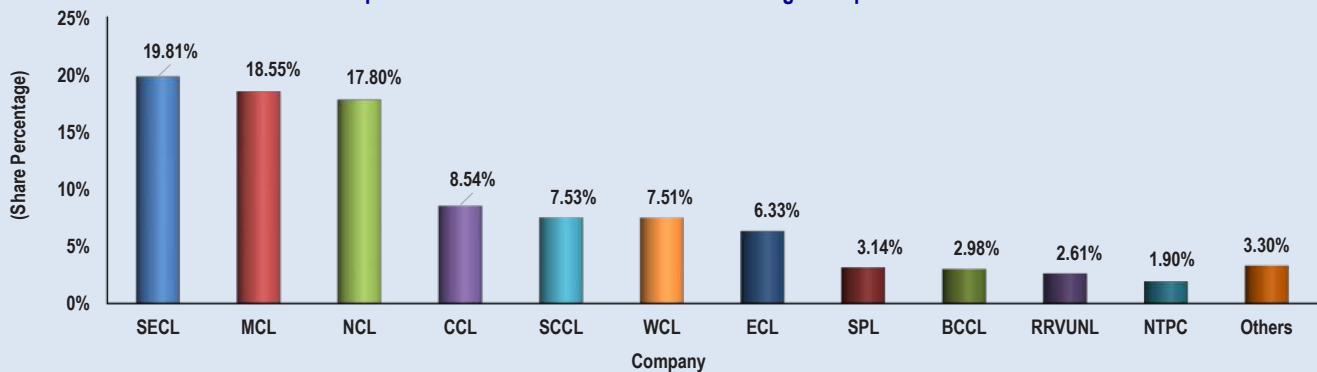


Table 4.20 : Company Wise Off-take of Raw Coal to Different Priority Sectors during 2020-21

(Qty. in MT)

| Company              | Power (Utility) | Power (Captive) | Steel (Direct Feed) | Steel (Coke Oven Plants & Cokeries) | Steel (Boilers) | Cement       | Fertilisers  | Sponge Iron  | Other basic-Metal (Aluminium etc) | Chemical     | Pulp & Paper | Textiles & Rayons | Bricks       | Other         | Total Despatch | Colliery Own Consumption | Colliery Staff | Total Offtake  |
|----------------------|-----------------|-----------------|---------------------|-------------------------------------|-----------------|--------------|--------------|--------------|-----------------------------------|--------------|--------------|-------------------|--------------|---------------|----------------|--------------------------|----------------|----------------|
| (1)                  | (2)             | (3)             | (4)                 | (5)                                 | (6)             | (7)          | (8)          | (9)          | (10)                              | (11)         | (12)         | (13)              | (14)         | (15)          | (16)           | (17)                     | (18)           | (19)           |
| ECL                  | 36.170          | 0.193           | 0.312               |                                     |                 | 0.093        |              | 0.340        |                                   |              |              |                   |              | 4.754         | 41.862         | 0.177                    |                | 42.039         |
| BCCL                 | 17.120          |                 |                     | 1.030                               |                 |              | 0.942        |              |                                   |              |              |                   |              | 4.077         | 23.169         | 0.005                    |                | 23.174         |
| CCL                  | 52.935          | 1.658           | 0.053               | 1.515                               |                 | 0.016        | 0.130        | 0.642        |                                   |              |              |                   |              | 8.451         | 65.400         |                          |                | 65.400         |
| NCL                  | 94.550          | 7.754           |                     |                                     |                 | 0.275        |              | 0.159        |                                   |              |              |                   |              | 5.906         | 108.644        |                          |                | 108.644        |
| WCL                  | 41.896          | 1.242           |                     |                                     |                 | 1.793        |              | 0.253        |                                   |              | 0.205        | 0.018             |              | 4.281         | 49.688         | 0.004                    |                | 49.692         |
| SECL                 | 102.494         | 11.369          | 0.023               |                                     |                 | 2.081        | 0.455        | 5.475        |                                   |              |              |                   |              | 13.630        | 135.527        | 0.009                    |                | 135.536        |
| SECL(GP-IV/2&3)      | 1.567           |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              | 1.674         | 3.241          |                          |                | 3.241          |
| SECL(GP-IV/1)        |                 |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                          |                | 0.000          |
| MCL                  | 86.152          | 20.471          |                     |                                     |                 | 0.170        |              | 2.578        | 0.555                             |              |              |                   |              | 36.081        | 146.007        | 0.002                    |                | 146.009        |
| NEC                  | 0.058           | 0.004           |                     |                                     |                 | 0.020        |              |              |                                   |              |              |                   |              | 0.008         | 0.090          |                          |                | 0.090          |
| <b>CIL</b>           | <b>432.942</b>  | <b>42.691</b>   | <b>0.388</b>        | <b>2.545</b>                        | <b>0.000</b>    | <b>4.448</b> | <b>1.527</b> | <b>9.447</b> | <b>0.555</b>                      | <b>0.000</b> | <b>0.205</b> | <b>0.018</b>      | <b>0.000</b> | <b>78.862</b> | <b>573.628</b> | <b>0.197</b>             | <b>0.000</b>   | <b>573.825</b> |
| SCCL                 | 40.894          | 2.389           |                     |                                     |                 | 2.009        |              | 0.063        | 0.128                             | 0.158        | 0.840        | 0.062             | 0.001        | 1.969         | 48.513         |                          |                | 48.513         |
| JKML                 |                 |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              | 0.008         | 0.008          |                          |                | 0.008          |
| DVC                  |                 |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                          |                | 0.000          |
| IISCO                |                 |                 |                     | 0.092                               | 0.100           |              |              |              |                                   |              |              |                   |              |               | 0.192          |                          |                | 0.192          |
| SAIL                 |                 |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                          |                | 0.000          |
| JSMDCCL              | 0.045           |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   | 0.024        |               | 0.069          |                          |                | 0.069          |
| RRVUNL               | 15.000          |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 15.000         |                          |                | 15.000         |
| NTPC                 | 10.939          |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 10.939         |                          |                | 10.939         |
| WBPDCCL              | 6.588           |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 6.588          |                          |                | 6.588          |
| CSPGCL               | 1.660           |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 1.660          |                          |                | 1.660          |
| TSPGCL               | 2.020           |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 2.020          |                          |                | 2.020          |
| OCPL                 | 1.804           |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 1.804          |                          |                | 1.804          |
| DPL                  | 0.024           |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 0.024          |                          |                | 0.024          |
| NLCIL                | 0.700           |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 0.700          |                          |                | 0.700          |
| <b>Total Public</b>  | <b>512.616</b>  | <b>45.080</b>   | <b>0.388</b>        | <b>2.637</b>                        | <b>0.100</b>    | <b>6.457</b> | <b>1.527</b> | <b>9.510</b> | <b>0.683</b>                      | <b>0.158</b> | <b>1.045</b> | <b>0.080</b>      | <b>0.025</b> | <b>80.839</b> | <b>661.145</b> | <b>0.197</b>             | <b>0.000</b>   | <b>661.342</b> |
| TSL                  |                 |                 | 4.949               | 0.901                               |                 |              |              |              |                                   |              |              |                   |              |               | 5.850          |                          |                | 5.850          |
| CESC                 | 1.963           |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 1.963          |                          |                | 1.963          |
| HIL                  |                 | 0.317           |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 0.317          |                          |                | 0.317          |
| SPL                  | 18.067          |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 18.067         |                          |                | 18.067         |
| GMR                  |                 |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                          |                | 0.000          |
| BALCO                |                 | 0.231           |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 0.231          |                          |                | 0.231          |
| SIL                  |                 | 0.055           |                     |                                     |                 |              |              | 0.045        |                                   |              |              |                   |              |               | 0.100          |                          |                | 0.100          |
| JPVL                 | 2.801           |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 2.801          |                          |                | 2.801          |
| RCCPL                |                 |                 |                     |                                     |                 | 0.173        |              |              |                                   |              |              |                   |              |               | 0.173          |                          |                | 0.173          |
| TUML                 |                 | 0.103           |                     |                                     |                 |              |              | 0.010        |                                   |              |              |                   |              |               | 0.113          |                          |                | 0.113          |
| OCL                  |                 |                 |                     |                                     |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                          |                | 0.000          |
| AMBUJA               |                 |                 |                     |                                     |                 | 0.124        |              |              |                                   |              |              |                   |              |               | 0.124          |                          |                | 0.124          |
| <b>Total Private</b> | <b>22.831</b>   | <b>0.706</b>    | <b>4.949</b>        | <b>0.901</b>                        | <b>0.000</b>    | <b>0.297</b> | <b>0.000</b> | <b>0.055</b> | <b>0.000</b>                      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.000</b>  | <b>29.739</b>  | <b>0.000</b>             | <b>0.000</b>   | <b>29.739</b>  |
| <b>Grand Total</b>   | <b>535.447</b>  | <b>45.786</b>   | <b>5.337</b>        | <b>3.538</b>                        | <b>0.100</b>    | <b>6.754</b> | <b>1.527</b> | <b>9.565</b> | <b>0.683</b>                      | <b>0.158</b> | <b>1.045</b> | <b>0.080</b>      | <b>0.025</b> | <b>80.839</b> | <b>690.884</b> | <b>0.197</b>             | <b>0.000</b>   | <b>691.081</b> |

Table 4.21 : Grade Wise Off-take of Raw Coal to Different Priority Sectors ( Including Washeries) during 2020-21

(Qty. in MT)

| Grade            | Sectors         |                 |             |                |          |                    |                 |        |             |             |                                   |          |              |                   |        |        |                |                            |                |               |        |
|------------------|-----------------|-----------------|-------------|----------------|----------|--------------------|-----------------|--------|-------------|-------------|-----------------------------------|----------|--------------|-------------------|--------|--------|----------------|----------------------------|----------------|---------------|--------|
|                  | Power (Utility) | Power (Captive) | Direct Feed | Coking Washery | Cokeries | Non Coking Washery | Steel (Boilers) | Cement | Fertilisers | Sponge Iron | Other basic Metal (Aluminium etc) | Chemical | Pulp & Paper | Textiles & Rayons | Bricks | Other  | Total Despatch | Colliery Own - Consumption | Colliery Staff | Total Offtake |        |
| (1)              | (2)             | (3)             | (4)         | (5)            | (6)      | (7)                | (8)             | (9)    | (10)        | (11)        | (12)                              | (13)     | (14)         | (15)              | (16)   | (17)   | (18)           | (19)                       | (20)           | (21)          |        |
| Steel-I          |                 |                 |             |                |          |                    |                 |        |             |             |                                   |          |              |                   |        |        | 0.000          |                            |                | 0.000         |        |
| Steel-II         | 0.080           |                 |             |                |          |                    |                 |        |             |             |                                   |          |              |                   |        |        | 0.080          |                            |                | 0.080         |        |
| SC-1             | 0.247           |                 | 0.023       |                |          |                    |                 |        |             |             |                                   |          |              |                   |        | 0.001  | 0.271          |                            |                | 0.271         |        |
| Wash-I           | 0.020           |                 |             |                |          |                    |                 |        |             |             |                                   |          |              |                   |        |        | 0.020          |                            |                | 0.020         |        |
| Wash-II          | 0.219           |                 | 0.442       | 0.258          |          |                    |                 |        |             |             |                                   |          |              |                   |        |        |                | 0.919                      |                |               | 0.919  |
| Wash-III         | 2.195           |                 | 0.158       | 0.317          |          |                    |                 |        |             |             |                                   |          |              |                   |        |        | 0.018          | 2.688                      |                |               | 2.688  |
| Wash-IV          | 14.055          | 0.137           | 4.402       | 1.933          |          |                    |                 |        |             |             |                                   |          |              |                   |        |        | 5.410          | 25.937                     |                |               | 25.937 |
| Wash-V           | 3.022           |                 |             | 0.895          | 0.942    |                    |                 |        |             |             |                                   |          |              |                   | 6.807  | 11.666 | 0.005          |                            | 11.671         |               |        |
| Wash-VI          | 2.364           |                 |             | 0.055          |          |                    |                 |        |             |             |                                   |          |              |                   |        |        |                | 2.419                      |                |               | 2.419  |
| Mg Feed          |                 |                 |             |                |          |                    |                 |        |             |             |                                   |          |              |                   |        |        | 0.000          |                            |                | 0.000         |        |
| SLV1             |                 |                 |             |                |          |                    |                 |        |             |             |                                   |          |              |                   |        |        | 0.000          |                            |                | 0.000         |        |
| Total Coking     | 22.122          | 0.137           | 5.025       | 3.538          | 0.000    | 0.000              | 0.000           | 0.000  | 0.942       | 0.000       | 0.000                             | 0.000    | 0.000        | 0.000             | 0.000  | 12.236 | 44.000         | 0.005                      | 0.000          | 44.005        |        |
| G1               | 0.001           |                 |             |                |          |                    |                 |        | 0.002       |             |                                   |          |              |                   |        |        | 0.008          | 0.011                      |                |               | 0.011  |
| G2               | 0.021           | 0.003           |             |                |          |                    |                 |        | 0.015       |             |                                   |          |              |                   |        |        |                | 0.039                      |                |               | 0.039  |
| G3               | 0.920           | 0.192           | 0.030       |                |          |                    |                 | 0.437  | 0.088       | 0.252       |                                   |          |              |                   |        | 0.742  | 2.661          | 0.024                      |                | 2.685         |        |
| G4               | 9.392           | 0.193           | 0.170       |                |          |                    |                 | 0.094  | 0.320       |             |                                   |          |              |                   |        | 3.570  | 13.739         | 0.129                      |                | 13.868        |        |
| G5               | 6.307           | 0.042           | 0.112       |                |          |                    | 0.083           | 0.364  | 0.229       | 0.064       | 0.004                             | 0.003    |              |                   |        | 0.944  | 8.152          | 0.029                      |                | 8.181         |        |
| G6               | 3.839           | 0.083           |             |                |          |                    |                 | 0.187  | 0.062       | 0.082       |                                   |          |              | 0.004             | 0.524  | 4.781  |                |                            | 4.781          |               |        |
| G7               | 33.079          | 0.410           |             |                |          |                    | 0.017           | 0.388  | 0.051       | 0.319       | 0.049                             | 0.100    | 0.073        | 0.004             | 2.082  | 36.572 | 0.005          |                            | 36.577         |               |        |
| G8               | 37.306          | 4.915           |             |                |          | 0.050              | 1.458           | 0.246  | 0.452       |             |                                   | 0.009    | 0.003        | 0.010             | 0.001  | 2.220  | 46.670         | 0.004                      |                | 46.674        |        |
| G9               | 24.679          | 1.608           |             |                |          | 2.785              | 0.285           | 0.130  | 0.526       | 0.001       | 0.004                             | 0.039    | 0.009        |                   |        | 0.948  | 31.014         | 0.001                      |                | 31.015        |        |
| G10              | 73.344          | 3.826           |             |                |          | 2.285              | 1.082           | 0.004  | 0.624       |             |                                   |          |              | 0.079             | 2.671  | 83.915 |                |                            | 83.915         |               |        |
| G11              | 142.049         | 9.177           |             |                |          | 1.350              | 1.820           | 0.004  | 3.719       |             |                                   |          |              | 0.212             | 0.012  | 12.744 | 171.087        |                            |                | 171.087       |        |
| G12              | 58.362          | 4.136           |             |                |          | 0.032              | 0.109           | 0.760  | 0.072       |             |                                   | 0.002    | 0.024        |                   | 11.000 | 74.497 |                |                            | 74.497         |               |        |
| G13              | 62.150          | 7.437           |             |                |          | 0.010              | 0.362           | 0.783  | 0.040       |             | 0.439                             | 0.045    |              |                   | 4.714  | 75.980 |                |                            | 75.980         |               |        |
| G14              | 38.607          | 11.727          |             |                |          |                    |                 | 0.151  | 0.913       | 0.468       | 0.004                             |          |              |                   | 18.228 | 70.098 |                |                            | 70.098         |               |        |
| G15              | 10.921          | 1.796           |             |                |          |                    |                 |        | 0.575       | 0.015       | 0.187                             |          |              |                   | 6.410  | 19.904 |                |                            | 19.904         |               |        |
| G16              | 5.847           |                 |             |                |          |                    |                 |        |             |             |                                   |          |              |                   |        | 0.918  | 6.765          |                            |                | 6.765         |        |
| G17              | 0.029           |                 |             |                |          |                    |                 |        |             |             |                                   |          |              |                   |        | 0.044  | 0.073          |                            |                | 0.073         |        |
| Mg Feed          |                 |                 |             |                |          |                    |                 |        |             |             |                                   |          |              |                   |        |        | 0.000          |                            |                | 0.000         |        |
| Ungrade          | 0.074           |                 |             |                |          |                    |                 |        |             |             | 0.001                             | 0.014    | 0.001        | 0.836             |        |        | 0.926          |                            |                | 0.926         |        |
| Total Non Coking | 506.823         | 45.649          | 0.312       | 0.000          | 0.000    | 6.512              | 0.100           | 6.754  | 0.585       | 9.555       | 0.683                             | 0.158    | 1.045        | 0.080             | 0.025  | 68.603 | 646.884        | 0.192                      | 0.000          | 647.076       |        |
| All India        | 528.945         | 45.786          | 5.337       | 3.538          | 0.000    | 6.512              | 0.100           | 6.754  | 1.527       | 9.555       | 0.683                             | 0.158    | 1.045        | 0.080             | 0.025  | 80.839 | 690.884        | 0.197                      | 0.000          | 691.081       |        |

Share(%) of Grade Wise Off-take of Raw Coal during 2020-21

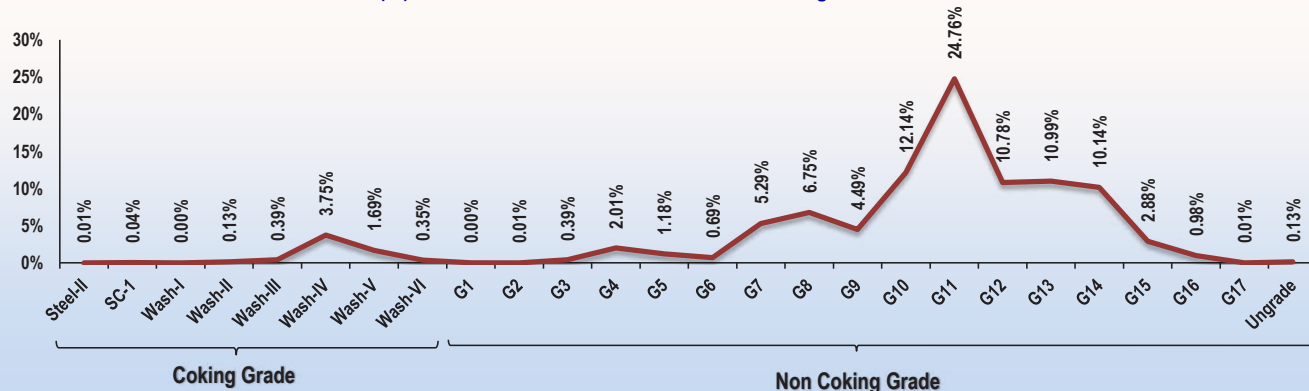


Table-4.22 : Company Wise &amp; Sector Wise of Despatch/Off-take of Coking Coal (Raw Coal, Washed Coal &amp; Middling) During 2020-21

(Qty. in MT)

| Company       | Type of Coal, Coal Products & Lignite | Power (Utility) | Power (Captive) | Direct Feed | Cokeries | Steel (Boilers) | Cement | Fertilisers | Sponge Iron | Other basic-Metal (Aluminium etc.) | Chemical | Pulp & Paper | Textiles & Rayons | Bricks | Other | Total Despatch | Colliery Own - Consumption | Colliery Staff | Total Offtake |
|---------------|---------------------------------------|-----------------|-----------------|-------------|----------|-----------------|--------|-------------|-------------|------------------------------------|----------|--------------|-------------------|--------|-------|----------------|----------------------------|----------------|---------------|
| (1)           | (2)                                   | (3)             | (4)             | (5)         | (6)      | (7)             | (8)    | (9)         | (10)        | (11)                               | (12)     | (13)         | (14)              | (15)   | (16)  | (17)           | (18)                       | (19)           | (20)          |
| ECL           | Raw Coal(External)                    |                 |                 |             |          |                 |        |             |             |                                    |          |              |                   |        | 0.018 | 0.018          |                            |                | 0.018         |
| BCCL          | Raw Coal(External)                    | 16.558          |                 |             | 1.030    |                 |        | 0.942       |             |                                    |          |              |                   |        | 1.356 | 19.886         |                            |                | 19.886        |
|               | Washed Coal                           |                 | 0.755           |             |          |                 |        |             |             |                                    |          |              |                   |        |       | 0.755          |                            |                | 0.755         |
|               | Middlings                             | 0.164           | 0.908           |             |          |                 |        |             |             |                                    |          |              |                   |        | 0.007 | 1.079          |                            |                | 1.079         |
|               | Total                                 | 16.722          | 1.663           | 0.000       | 1.030    | 0.000           | 0.000  | 0.942       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 1.363 | 21.720         | 0.000                      | 0.000          | 21.720        |
| CCL           | Raw Coal(External)                    | 11.539          | 0.137           | 0.053       |          |                 |        |             |             |                                    |          |              |                   |        | 2.229 | 13.958         |                            |                | 13.958        |
|               | Washed Coal                           |                 |                 |             | 0.358    |                 |        |             |             |                                    |          |              |                   |        |       | 0.358          |                            |                | 0.358         |
|               | Middlings                             | 0.102           | 0.630           |             |          |                 |        |             |             |                                    |          |              |                   |        |       | 0.732          |                            |                | 0.732         |
|               | Total                                 | 11.641          | 0.767           | 0.053       | 0.358    | 0.000           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 2.229 | 15.048         | 0.000                      | 0.000          | 15.048        |
| WCL           | Raw Coal(External)                    |                 |                 |             |          |                 |        |             |             |                                    |          |              |                   |        | 0.184 | 0.184          |                            |                | 0.184         |
| SECL          | Raw Coal(External)                    | 0.248           |                 | 0.023       |          |                 |        |             |             |                                    |          |              |                   |        |       | 0.271          |                            |                | 0.271         |
| CIL Total     | Raw Coal(External)                    | 28.345          | 0.137           | 0.076       | 1.030    | 0.000           | 0.000  | 0.942       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 3.787 | 34.317         | 0.000                      | 0.000          | 34.317        |
|               | Washed Coal                           | 0.000           | 0.755           | 0.000       | 0.358    | 0.000           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.000 | 1.113          | 0.000                      | 0.000          | 1.113         |
|               | Middlings                             | 0.266           | 1.538           | 0.000       | 0.000    | 0.000           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.007 | 1.811          | 0.000                      | 0.000          | 1.811         |
|               | Total                                 | 28.611          | 2.430           | 0.076       | 1.388    | 0.000           | 0.000  | 0.942       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 3.794 | 37.241         | 0.000                      | 0.000          | 37.241        |
| IISCO         | Washed Coal                           |                 |                 |             | 0.595    |                 |        |             |             |                                    |          |              |                   |        |       | 0.595          |                            |                | 0.595         |
|               | Middlings                             |                 |                 |             |          | 0.442           |        |             |             |                                    |          |              |                   |        |       | 0.442          |                            |                | 0.442         |
|               | Total                                 | 0.000           | 0.000           | 0.000       | 0.595    | 0.442           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.000 | 1.037          | 0.000                      | 0.000          | 1.037         |
| Public Total  | Raw Coal(External)                    | 28.345          | 0.137           | 0.076       | 1.030    | 0.000           | 0.000  | 0.942       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 3.787 | 34.317         | 0.000                      | 0.000          | 34.317        |
|               | Washed Coal                           | 0.000           | 0.755           | 0.000       | 0.953    | 0.000           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.000 | 1.708          | 0.000                      | 0.000          | 1.708         |
|               | Middlings                             | 0.266           | 1.538           | 0.000       | 0.000    | 0.442           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.007 | 2.253          | 0.000                      | 0.000          | 2.253         |
|               | Total                                 | 28.611          | 2.430           | 0.076       | 1.983    | 0.442           | 0.000  | 0.942       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 3.794 | 38.278         | 0.000                      | 0.000          | 38.278        |
| TSL           | Washed Coal                           |                 |                 |             | 2.553    |                 |        |             |             |                                    |          |              |                   |        |       | 2.553          |                            |                | 2.553         |
|               | Middlings                             | 0.506           | 0.559           |             |          |                 |        |             |             |                                    |          |              |                   |        |       | 1.065          |                            |                | 1.065         |
|               | Total                                 | 0.506           | 0.559           | 0.000       | 2.553    | 0.000           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.000 | 3.618          | 0.000                      | 0.000          | 3.618         |
| Private Total | Raw Coal(External)                    |                 |                 |             |          |                 |        |             |             |                                    |          |              |                   |        |       | 0.000          |                            |                | 0.000         |
|               | Washed Coal                           | 0.000           | 0.000           | 0.000       | 2.553    | 0.000           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.000 | 2.553          | 0.000                      | 0.000          | 2.553         |
|               | Middlings                             | 0.506           | 0.559           | 0.000       | 0.000    | 0.000           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.000 | 1.065          | 0.000                      | 0.000          | 1.065         |
|               | Total                                 | 0.506           | 0.559           | 0.000       | 2.553    | 0.000           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.000 | 3.618          | 0.000                      | 0.000          | 3.618         |
| Grand Total   | Raw Coal(External)                    | 28.345          | 0.137           | 0.076       | 1.030    | 0.000           | 0.000  | 0.942       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 3.787 | 34.317         | 0.000                      | 0.000          | 34.317        |
|               | Washed Coal                           | 0.000           | 0.755           | 0.000       | 3.506    | 0.000           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.000 | 4.261          | 0.000                      | 0.000          | 4.261         |
|               | Middlings                             | 0.772           | 2.097           | 0.000       | 0.000    | 0.442           | 0.000  | 0.000       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 0.007 | 3.318          | 0.000                      | 0.000          | 3.318         |
|               | Total                                 | 29.117          | 2.989           | 0.076       | 4.536    | 0.442           | 0.000  | 0.942       | 0.000       | 0.000                              | 0.000    | 0.000        | 0.000             | 0.000  | 3.794 | 41.896         | 0.000                      | 0.000          | 41.896        |

Table-4.23: Company Wise &amp; Sector Wise Off-take of Non-Coking Coal (Raw Coal, Washed Coal &amp; Middling) During 2020-21

(Qty. in MT)

| Company          | Type of Coal, Coal Products & Lignite | Power (Utility) | Power (Captive) | Direct Feed  | Cokeries     | Steel (Boilers) | Cement       | Fertilisers  | Sponge Iron  | Other basic-Metal | Chemical     | Pulp & Paper | Textiles & Rayons | Bricks       | Other         | Total Despatch | Colliery Own Consumption | Colliery Staff | Total Offtake  |
|------------------|---------------------------------------|-----------------|-----------------|--------------|--------------|-----------------|--------------|--------------|--------------|-------------------|--------------|--------------|-------------------|--------------|---------------|----------------|--------------------------|----------------|----------------|
| (1)              | (2)                                   | (3)             | (4)             | (5)          | (6)          | (7)             | (8)          | (9)          | (10)         | (11)              | (12)         | (13)         | (14)              | (15)         | (16)          | (17)           | (18)                     | (19)           | (20)           |
| ECL              | Raw Coal(External)                    | 36.170          | 0.193           | 0.312        |              |                 | 0.093        |              | 0.340        |                   |              |              |                   |              | 4.736         | 41.844         | 0.177                    |                | 42.021         |
| BCCL             | Raw Coal(External)                    | 0.562           |                 |              |              |                 |              |              |              |                   |              |              |                   |              | 0.047         | 0.609          |                          |                | 0.609          |
| CCL              | Raw Coal(External)                    | 35.868          | 1.521           |              |              |                 | 0.016        | 0.130        | 0.642        |                   |              |              |                   |              | 6.222         | 44.399         |                          |                | 44.399         |
|                  | Washed Coal                           | 5.387           | 0.058           |              |              |                 |              |              |              |                   |              |              |                   |              | 0.070         | 5.515          |                          |                | 5.515          |
|                  | <b>Total</b>                          | <b>41.255</b>   | <b>1.579</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>    | <b>0.016</b> | <b>0.130</b> | <b>0.642</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>6.292</b>  | <b>49.914</b>  | <b>0.000</b>             | <b>0.000</b>   | <b>49.914</b>  |
| NCL              | Raw Coal(External)                    | 94.550          | 7.754           |              |              |                 | 0.275        |              | 0.159        |                   |              |              |                   |              | 5.906         | 108.644        |                          |                | 108.644        |
| WCL              | Raw Coal(External)                    | 41.896          | 1.242           |              |              |                 | 1.793        |              | 0.253        |                   |              | 0.205        | 0.018             |              | 4.097         | 49.504         |                          |                | 49.504         |
| SECL             | Raw Coal(External)                    | 102.246         | 11.369          |              |              |                 | 2.081        | 0.455        | 5.475        |                   |              |              |                   |              | 13.630        | 135.256        | 0.009                    |                | 135.265        |
| SECL (GP-IV/2&3) | Raw Coal(External)                    | 1.567           |                 |              |              |                 |              |              |              |                   |              |              |                   |              | 1.674         | 3.241          |                          |                | 3.241          |
| MCL              | Raw Coal(External)                    | 86.152          | 20.471          |              |              |                 | 0.170        |              | 2.578        | 0.555             |              |              |                   |              | 36.081        | 146.007        | 0.002                    |                | 146.009        |
| NEC              | Raw Coal(External)                    | 0.058           | 0.004           |              |              |                 | 0.020        |              |              |                   |              |              |                   |              | 0.008         | 0.090          |                          |                | 0.090          |
| CIL              | Raw Coal(External)                    | 399.069         | 42.554          | 0.312        | 0.000        | 0.000           | 4.448        | 0.585        | 9.447        | 0.555             | 0.000        | 0.205        | 0.018             | 0.000        | 72.401        | 529.594        | 0.188                    | 0.000          | 529.782        |
|                  | Washed Coal                           | 5.387           | 0.058           | 0.000        | 0.000        | 0.000           | 0.000        | 0.000        | 0.000        | 0.000             | 0.000        | 0.000        | 0.000             | 0.000        | 0.070         | 5.515          | 0.000                    | 0.000          | 5.515          |
|                  | Middlings                             | 0.000           | 0.000           | 0.000        | 0.000        | 0.000           | 0.000        | 0.000        | 0.000        | 0.000             | 0.000        | 0.000        | 0.000             | 0.000        | 0.000         | 0.000          | 0.000                    | 0.000          | 0.000          |
|                  | <b>Total</b>                          | <b>404.456</b>  | <b>42.612</b>   | <b>0.312</b> | <b>0.000</b> | <b>0.000</b>    | <b>4.448</b> | <b>0.585</b> | <b>9.447</b> | <b>0.555</b>      | <b>0.000</b> | <b>0.205</b> | <b>0.018</b>      | <b>0.000</b> | <b>72.471</b> | <b>535.109</b> | <b>0.188</b>             | <b>0.000</b>   | <b>535.297</b> |
| SCCL             | Raw Coal(External)                    | 40.894          | 2.389           |              |              |                 | 2.009        |              | 0.063        | 0.128             | 0.158        | 0.840        | 0.062             | 0.001        | 1.969         | 48.513         |                          |                | 48.513         |
| JKML             | Raw Coal(External)                    |                 |                 |              |              |                 |              |              |              |                   |              |              |                   |              | 0.008         | 0.008          |                          |                | 0.008          |
| IISCO            | Raw Coal(External)                    |                 |                 |              |              | 0.100           |              |              |              |                   |              |              |                   |              |               | 0.100          |                          |                | 0.100          |
| JSMDC            | Raw Coal(External)                    | 0.045           |                 |              |              |                 |              |              |              |                   |              |              |                   | 0.024        |               | 0.069          |                          |                | 0.069          |
| RRVUNL           | Washed Coal                           | 12.327          |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 12.327         |                          |                | 12.327         |
| NTPC             | Raw Coal(External)                    | 10.939          |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 10.939         |                          |                | 10.939         |
| WBPDC            | Raw Coal(External)                    | 6.588           |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 6.588          |                          |                | 6.588          |
| CSPGCL           | Raw Coal(External)                    | 1.660           |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 1.660          |                          |                | 1.660          |
| TSPGCL           | Raw Coal(External)                    | 2.020           |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 2.020          |                          |                | 2.020          |
| OCPL             | Raw Coal(External)                    | 1.804           |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 1.804          |                          |                | 1.804          |
| DPL              | Raw Coal(External)                    | 0.024           |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 0.024          |                          |                | 0.024          |
| NLCIL            | Raw Coal(External)                    | 0.700           |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 0.700          |                          |                | 0.700          |
| PUBLIC           | Raw Coal(External)                    | 463.743         | 44.943          | 0.312        | 0.000        | 0.100           | 6.457        | 0.585        | 9.510        | 0.683             | 0.158        | 1.045        | 0.080             | 0.025        | 74.378        | 602.019        | 0.188                    | 0.000          | 602.207        |
|                  | Washed Coal                           | 17.714          | 0.058           | 0.000        | 0.000        | 0.000           | 0.000        | 0.000        | 0.000        | 0.000             | 0.000        | 0.000        | 0.000             | 0.000        | 0.070         | 17.842         | 0.000                    | 0.000          | 17.842         |
|                  | Middlings                             | 0.000           | 0.000           | 0.000        | 0.000        | 0.000           | 0.000        | 0.000        | 0.000        | 0.000             | 0.000        | 0.000        | 0.000             | 0.000        | 0.000         | 0.000          | 0.000                    | 0.000          | 0.000          |
|                  | <b>Total</b>                          | <b>481.457</b>  | <b>45.001</b>   | <b>0.312</b> | <b>0.000</b> | <b>0.100</b>    | <b>6.457</b> | <b>0.585</b> | <b>9.510</b> | <b>0.683</b>      | <b>0.158</b> | <b>1.045</b> | <b>0.080</b>      | <b>0.025</b> | <b>74.448</b> | <b>619.861</b> | <b>0.188</b>             | <b>0.000</b>   | <b>620.049</b> |
| CESC             | Raw Coal(External)                    | 0.989           |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 0.989          |                          |                | 0.989          |
|                  | Washed Coal                           | 0.755           |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 0.755          |                          |                | 0.755          |
|                  | <b>Total</b>                          | <b>1.744</b>    | <b>0.000</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.000</b>  | <b>1.744</b>   | <b>0.000</b>             | <b>0.000</b>   | <b>1.744</b>   |
| HIL              | Raw Coal(External)                    |                 | 0.317           |              |              |                 |              |              |              |                   |              |              |                   |              |               | 0.317          |                          |                | 0.317          |
| SPL              | Raw Coal(External)                    | 18.067          |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 18.067         |                          |                | 18.067         |
| BALCO            | Raw Coal(External)                    |                 | 0.231           |              |              |                 |              |              |              |                   |              |              |                   |              |               | 0.231          |                          |                | 0.231          |
| SIL              | Raw Coal(External)                    |                 | 0.055           |              |              |                 |              |              | 0.045        |                   |              |              |                   |              |               | 0.100          |                          |                | 0.100          |
| JPVL             | Raw Coal(External)                    | 2.801           |                 |              |              |                 |              |              |              |                   |              |              |                   |              |               | 2.801          |                          |                | 2.801          |
| RCCPL            | Raw Coal(External)                    |                 |                 |              |              |                 | 0.173        |              |              |                   |              |              |                   |              |               | 0.173          |                          |                | 0.173          |
| TUML             | Raw Coal(External)                    |                 | 0.103           |              |              |                 |              |              |              |                   |              |              |                   |              |               | 0.103          |                          |                | 0.103          |
|                  | Washed Coal                           |                 |                 |              |              |                 |              |              | 0.003        |                   |              |              |                   |              |               | 0.003          |                          |                | 0.003          |
|                  | Middlings                             |                 | 0.006           |              |              |                 |              |              |              |                   |              |              |                   |              |               | 0.006          |                          |                | 0.006          |
|                  | <b>Total</b>                          | <b>0.000</b>    | <b>0.109</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.003</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.000</b>  | <b>0.112</b>   | <b>0.000</b>             | <b>0.000</b>   | <b>0.112</b>   |
| AMBUJA           | Raw Coal(External)                    |                 |                 |              |              |                 | 0.124        |              |              |                   |              |              |                   |              |               | 0.124          |                          |                | 0.124          |
| Private Total    | Raw Coal(External)                    | 21.857          | 0.706           | 0.000        | 0.000        | 0.000           | 0.297        | 0.000        | 0.045        | 0.000             | 0.000        | 0.000        | 0.000             | 0.000        | 0.000         | 22.905         | 0.000                    | 0.000          | 22.905         |
|                  | Washed Coal                           | 0.755           | 0.000           | 0.000        | 0.000        | 0.000           | 0.000        | 0.000        | 0.003        | 0.000             | 0.000        | 0.000        | 0.000             | 0.000        | 0.000         | 0.758          | 0.000                    | 0.000          | 0.758          |
|                  | Middlings                             | 0.000           | 0.006           | 0.000        | 0.000        | 0.000           | 0.000        | 0.000        | 0.000        | 0.000             | 0.000        | 0.000        | 0.000             | 0.000        | 0.000         | 0.006          | 0.000                    | 0.000          | 0.006          |
|                  | <b>Total</b>                          | <b>22.612</b>   | <b>0.712</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>    | <b>0.297</b> | <b>0.000</b> | <b>0.048</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.000</b>  | <b>23.669</b>  | <b>0.000</b>             | <b>0.000</b>   | <b>23.669</b>  |
| Grand Total      | Raw Coal(External)                    | 485.600         | 45.649          | 0.312        | 0.000        | 0.100           | 6.754        | 0.585        | 9.555        | 0.683             | 0.158        | 1.045        | 0.080             | 0.025        | 74.378        | 624.924        | 0.188                    | 0.000          | 625.112        |
|                  | Washed Coal                           | 18.469          | 0.058           | 0.000        | 0.000        | 0.000           | 0.000        | 0.000        | 0.003        | 0.000             | 0.000        | 0.000        | 0.000             | 0.000        | 0.070         | 18.600         | 0.000                    | 0.000          | 18.600         |
|                  | Middlings                             | 0.000           | 0.006           | 0.000        | 0.000        | 0.000           | 0.000        | 0.000        | 0.000        | 0.000             | 0.000        | 0.000        | 0.000             | 0.000        | 0.000         | 0.006          | 0.000                    | 0.000          | 0.006          |
|                  | <b>Total</b>                          | <b>504.069</b>  | <b>45.713</b>   | <b>0.312</b> | <b>0.000</b> | <b>0.100</b>    | <b>6.754</b> | <b>0.585</b> | <b>9.558</b> | <b>0.683</b>      | <b>0.158</b> | <b>1.045</b> | <b>0.080</b>      | <b>0.025</b> | <b>74.448</b> | <b>643.530</b> | <b>0.188</b>             | <b>0.000</b>   | <b>643.718</b> |

Table 4.24 : Company Wise Off-take of Lignite to Different Priority Sectors During 2020-21

(Qty. in MT)

| Company      | Power (Utility) | Power (Captive) | Direct Feed  | Coking Washery | Cokeries     | Non Coking Washery | Steel (Boilers) | Cement       | Fertilisers  | Sponge Iron  | Other basic-Metal (Aluminium etc) | Chemical     | Pulp & Paper | Textiles & Rayons | Bricks       | Other        | Total Despatch | Colliery Own - Consumption | Colliery Staff | Total Offtake |
|--------------|-----------------|-----------------|--------------|----------------|--------------|--------------------|-----------------|--------------|--------------|--------------|-----------------------------------|--------------|--------------|-------------------|--------------|--------------|----------------|----------------------------|----------------|---------------|
| (1)          | (2)             | (3)             | (4)          | (5)            | (6)          | (7)                | (8)             | (9)          | (10)         | (11)         | (12)                              | (13)         | (14)         | (15)              | (16)         | (17)         | (18)           | (19)                       | (20)           | (21)          |
| GIPCL        | 3.507           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |              | 3.507          |                            |                | 3.507         |
| GPCL         | 1.272           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |              | 1.272          |                            |                | 1.272         |
| GMDCL        | 2.023           |                 |              |                |              |                    |                 | 0.102        |              |              |                                   | 0.364        | 0.475        | 0.252             | 0.418        | 2.370        | 6.004          |                            |                | 6.004         |
| GHCL         | 0.036           |                 |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |              | 0.036          |                            |                | 0.036         |
| NLCL         | 8.135           | 10.874          | 0.024        |                |              |                    |                 | 0.548        |              |              |                                   | 0.001        | 0.091        |                   | 0.008        | 0.072        | 19.753         |                            |                | 19.753        |
| RSMML        |                 |                 |              |                |              |                    |                 | 0.161        |              |              |                                   |              |              | 0.038             | 0.002        | 0.629        | 0.830          |                            |                | 0.830         |
| VSLPPL       |                 | 0.927           |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |              | 0.927          |                            |                | 0.927         |
| BLMCL        |                 | 6.163           |              |                |              |                    |                 |              |              |              |                                   |              |              |                   |              |              | 6.163          |                            |                | 6.163         |
| <b>TOTAL</b> | <b>14.973</b>   | <b>17.964</b>   | <b>0.024</b> | <b>0.000</b>   | <b>0.000</b> | <b>0.000</b>       | <b>0.000</b>    | <b>0.811</b> | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>                      | <b>0.365</b> | <b>0.566</b> | <b>0.290</b>      | <b>0.428</b> | <b>3.071</b> | <b>38.492</b>  | <b>0.000</b>               | <b>0.000</b>   | <b>38.492</b> |

Share of Company Wise Despatch of Lignite to Power Sector in 2020-21

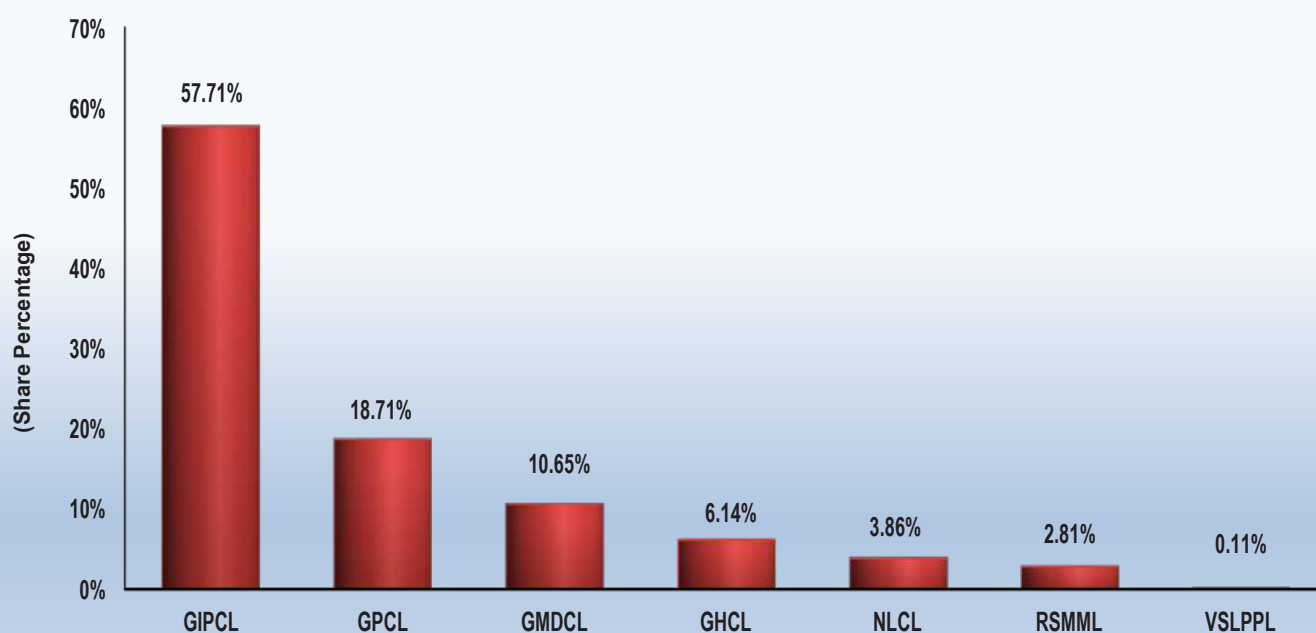


Table-4.25: State Wise Despatch/Off-take of Raw Coal, Washed Coal, Middlings &amp; Lignite to Different State During 2020-21

(Qty. in MT)

| Company        | Raw of Coal & Coal Products | Power (Utility) | Power (Captive) | Direct Feed  | Cokeries     | Steel (Boilers) | Cement       | Fertilisers  | Sponge Iron  | Other basic-Metal (Aluminium etc) | Chemical     | Pulp & Paper | Textiles & Rayons | Bricks       | Other         | Despatch       | Colliery Own - Consumption | Colliery Staff | Offtake        |
|----------------|-----------------------------|-----------------|-----------------|--------------|--------------|-----------------|--------------|--------------|--------------|-----------------------------------|--------------|--------------|-------------------|--------------|---------------|----------------|----------------------------|----------------|----------------|
| (1)            | (2)                         | (3)             | (4)             | (5)          | (6)          | (7)             | (8)          | (9)          | (10)         | (11)                              | (12)         | (13)         | (14)              | (15)         | (16)          | (17)           | (18)                       | (19)           | (20)           |
| <b>COAL :</b>  |                             |                 |                 |              |              |                 |              |              |              |                                   |              |              |                   |              |               |                |                            |                |                |
| Andhra Pradesh | Raw Coal (FC)               | 21.046          | 1.534           |              |              |                 | 0.172        |              | 0.004        | 0.018                             | 0.093        | 0.032        |                   |              | 0.579         | 23.478         |                            |                | 23.478         |
|                | Washed Coal                 |                 |                 |              |              |                 |              |              |              |                                   |              |              |                   |              |               | 0.000          |                            |                | 0.000          |
|                | <b>Tot Coal (FC)</b>        | <b>21.046</b>   | <b>1.534</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>    | <b>0.172</b> | <b>0.000</b> | <b>0.004</b> | <b>0.018</b>                      | <b>0.093</b> | <b>0.032</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.579</b>  | <b>23.478</b>  | <b>0.000</b>               | <b>0.000</b>   | <b>23.478</b>  |
| Assam          | Raw Coal (FC)               | 0.823           | 0.001           |              |              |                 | 0.035        |              |              |                                   |              |              |                   |              | 0.058         | 0.917          |                            |                | 0.917          |
|                | Washed Coal                 | 0.031           |                 |              |              |                 |              |              |              |                                   |              |              |                   |              | 0.019         | 0.050          |                            |                | 0.050          |
|                | Middlings                   | 0.003           |                 |              |              |                 |              |              |              |                                   |              |              |                   |              |               | 0.003          |                            |                | 0.003          |
|                | <b>Tot Coal (FC)</b>        | <b>0.857</b>    | <b>0.001</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>    | <b>0.035</b> | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>                      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.077</b>  | <b>0.970</b>   | <b>0.000</b>               | <b>0.000</b>   | <b>0.970</b>   |
| Bihar          | Raw Coal (FC)               | 21.468          |                 |              |              |                 |              |              |              |                                   |              |              |                   |              | 0.640         | 22.108         |                            |                | 22.108         |
|                | Washed Coal                 | 1.245           |                 |              |              |                 |              |              |              |                                   |              |              |                   |              |               | 1.245          |                            |                | 1.245          |
|                | <b>Tot Coal (FC)</b>        | <b>22.713</b>   | <b>0.000</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>                      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>0.640</b>  | <b>23.353</b>  | <b>0.000</b>               | <b>0.000</b>   | <b>23.353</b>  |
| Chhattisgarh   | Raw Coal (FC)               | 92.307          | 9.023           | 0.053        |              |                 | 1.295        |              | 5.189        |                                   |              |              |                   |              | 12.266        | 120.133        | 0.003                      |                | 120.136        |
|                | Washed Coal                 |                 | 0.214           |              |              |                 |              |              |              |                                   |              |              |                   |              |               | 0.214          |                            |                | 0.214          |
|                | Middlings                   |                 | 0.025           |              |              |                 |              |              |              |                                   |              |              |                   |              |               | 0.025          |                            |                | 0.025          |
|                | <b>Tot Coal (FC)</b>        | <b>92.307</b>   | <b>9.262</b>    | <b>0.053</b> | <b>0.000</b> | <b>0.000</b>    | <b>1.295</b> | <b>0.000</b> | <b>5.189</b> | <b>0.000</b>                      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>12.266</b> | <b>120.372</b> | <b>0.003</b>               | <b>0.000</b>   | <b>120.375</b> |
| Delhi          | Raw Coal (FC)               |                 |                 |              |              |                 |              |              |              |                                   |              |              |                   |              | 0.007         | 0.007          |                            |                | 0.007          |
| Gujarat        | Raw Coal (FC)               | 10.076          | 0.288           |              |              |                 |              | 0.204        |              |                                   |              | 0.052        |                   |              | 0.134         | 10.754         |                            |                | 10.754         |
| Haryana        | Raw Coal (FC)               | 7.897           |                 |              |              |                 |              | 0.412        |              |                                   |              |              |                   |              | 0.005         | 8.314          |                            |                | 8.314          |
| J & K          | Raw Coal (FC)               |                 |                 |              |              |                 |              |              |              |                                   |              |              |                   |              | 0.008         | 0.008          |                            |                | 0.008          |
| Jharkhand      | Raw Coal (FC)               | 25.555          | 0.896           | 4.949        | 0.000        | 0.100           | 0.057        | 0.000        | 0.280        | 0.000                             | 0.000        | 0.000        | 0.000             | 0.024        | 10.256        | 42.117         | 0.005                      |                | 42.122         |
|                | Washed Coal                 | 1.614           | 0.292           |              | 1.107        |                 |              |              |              |                                   |              |              |                   |              | 0.051         | 3.064          |                            |                | 3.064          |
|                | Middlings                   | 0.617           | 1.495           |              |              |                 |              |              |              |                                   |              |              |                   |              | 0.007         | 2.119          |                            |                | 2.119          |
|                | <b>Tot Coal (FC)</b>        | <b>27.786</b>   | <b>2.683</b>    | <b>4.949</b> | <b>1.107</b> | <b>0.100</b>    | <b>0.057</b> | <b>0.000</b> | <b>0.280</b> | <b>0.000</b>                      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.024</b> | <b>10.314</b> | <b>47.300</b>  | <b>0.005</b>               | <b>0.000</b>   | <b>47.305</b>  |
| Kerala         | Raw Coal (FC)               |                 |                 |              |              |                 | 0.040        |              |              |                                   |              |              |                   |              |               | 0.040          |                            |                | 0.040          |
| Karnataka      | Raw Coal (FC)               | 7.572           | 1.052           |              |              |                 | 0.579        |              | 0.002        |                                   | 0.003        | 0.121        | 0.056             |              | 0.043         | 9.428          |                            |                | 9.428          |
| Maharashtra    | Raw Coal (FC)               | 55.617          | 0.726           |              |              |                 | 1.697        |              | 0.302        |                                   |              | 0.032        | 0.018             |              | 3.484         | 61.876         | 0.003                      |                | 61.879         |
|                | Washed Coal                 |                 |                 |              |              |                 |              |              | 0.003        |                                   |              |              |                   |              |               | 0.003          |                            |                | 0.003          |
|                | Middlings                   |                 | 0.006           |              |              |                 |              |              |              |                                   |              |              |                   |              |               | 0.006          |                            |                | 0.006          |
|                | <b>Tot Coal (FC)</b>        | <b>55.617</b>   | <b>0.732</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>    | <b>1.697</b> | <b>0.000</b> | <b>0.305</b> | <b>0.000</b>                      | <b>0.000</b> | <b>0.032</b> | <b>0.018</b>      | <b>0.000</b> | <b>3.484</b>  | <b>61.885</b>  | <b>0.003</b>               | <b>0.000</b>   | <b>61.888</b>  |
| Meghalaya      | Raw Coal (FC)               |                 | 0.003           |              |              |                 | 0.016        |              |              |                                   |              |              |                   |              | 0.385         | 0.404          |                            |                | 0.404          |
| Madhya Pradesh | Raw Coal (FC)               | 74.131          | 3.790           |              |              |                 | 1.048        |              |              |                                   |              |              |                   |              | 2.392         | 81.361         | 0.007                      |                | 81.368         |
|                | Washed Coal                 | 0.192           |                 |              |              |                 |              |              |              |                                   |              |              |                   |              |               | 0.192          |                            |                | 0.192          |
|                | <b>Tot Coal (FC)</b>        | <b>74.323</b>   | <b>3.790</b>    | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>    | <b>1.048</b> | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>                      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>2.392</b>  | <b>81.553</b>  | <b>0.007</b>               | <b>0.000</b>   | <b>81.560</b>  |
| Odisha         | Raw Coal (FC)               | 38.345          | 21.229          | 0.138        |              |                 | 0.170        |              | 2.888        | 0.555                             |              |              |                   |              | 26.080        | 89.405         | 0.002                      |                | 89.407         |
|                | Washed Coal                 |                 | 0.088           |              | 1.455        |                 |              |              |              |                                   |              |              |                   |              |               | 1.543          |                            |                | 1.543          |
|                | Middlings                   |                 | 0.170           |              |              | 0.442           |              |              |              |                                   |              |              |                   |              |               | 0.612          |                            |                | 0.612          |
|                | <b>Tot Coal (FC)</b>        | <b>38.345</b>   | <b>21.487</b>   | <b>0.138</b> | <b>1.455</b> | <b>0.442</b>    | <b>0.170</b> | <b>0.000</b> | <b>2.888</b> | <b>0.555</b>                      | <b>0.000</b> | <b>0.000</b> | <b>0.000</b>      | <b>0.000</b> | <b>26.080</b> | <b>91.560</b>  | <b>0.002</b>               | <b>0.000</b>   | <b>91.562</b>  |

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Table-4.25: State Wise Despatch/Off-take of Raw Coal, Washed Coal, Middlings &amp; Lignite to Different State During 2020-21

(Qty. in MT)

| Company       | Raw of Coal & Coal Products | Power (Utility) | Power (Captive) | Direct Feed | Cokeries | Steel (Boilers) | Cement | Fertilisers | Sponge Iron | Other basic-Metal (Aluminium etc) | Chemical | Pulp & Paper | Textiles & Rayons | Bricks | Other  | Despatch | Colliery Own - Consumption | Colliery Staff | Offtake |
|---------------|-----------------------------|-----------------|-----------------|-------------|----------|-----------------|--------|-------------|-------------|-----------------------------------|----------|--------------|-------------------|--------|--------|----------|----------------------------|----------------|---------|
| (1)           | (2)                         | (3)             | (4)             | (5)         | (6)      | (7)             | (8)    | (9)         | (10)        | (11)                              | (12)     | (13)         | (14)              | (15)   | (16)   | (17)     | (18)                       | (19)           | (20)    |
| Punjab        | Raw Coal (FC)               | 10.025          | 0.117           |             |          |                 |        | 0.530       |             |                                   |          |              |                   |        | 0.045  | 10.717   |                            |                | 10.717  |
|               | Washed Coal                 | 0.109           |                 |             |          |                 |        |             |             |                                   |          |              |                   |        |        | 0.109    |                            |                | 0.109   |
|               | Tot Coal (FC)               | 10.134          | 0.117           | 0.000       | 0.000    | 0.000           | 0.000  | 0.530       | 0.000       | 0.000                             | 0.000    | 0.000        | 0.000             | 0.000  | 0.045  | 10.826   | 0.000                      | 0.000          | 10.826  |
| Rajasthan     | Raw Coal (FC)               | 9.251           | 1.066           |             |          |                 | 0.189  | 0.251       |             |                                   |          |              |                   |        | 0.469  | 11.226   |                            |                | 11.226  |
|               | Washed Coal                 | 12.327          |                 |             |          |                 |        |             |             |                                   |          |              |                   |        |        | 12.327   |                            |                | 12.327  |
|               | Tot Coal (FC)               | 21.578          | 1.066           | 0.000       | 0.000    | 0.000           | 0.189  | 0.251       | 0.000       | 0.000                             | 0.000    | 0.000        | 0.000             | 0.000  | 0.469  | 23.553   | 0.000                      | 0.000          | 23.553  |
| Telangana     | Raw Coal (FC)               | 25.557          | 1.046           |             |          |                 | 1.166  |             | 0.057       | 0.110                             | 0.062    | 0.796        | 0.006             | 0.001  | 1.331  | 30.132   |                            |                | 30.132  |
| Tamilnadu     | Raw Coal (FC)               | 16.834          | 0.029           |             |          |                 | 0.109  |             |             |                                   |          | 0.012        |                   |        | 0.016  | 17.000   |                            |                | 17.000  |
|               | Washed Coal                 | 0.100           |                 |             |          |                 |        |             |             |                                   |          |              |                   |        |        | 0.100    |                            |                | 0.100   |
|               | Tot Coal (FC)               | 16.934          | 0.029           | 0.000       | 0.000    | 0.000           | 0.109  | 0.000       | 0.000       | 0.000                             | 0.000    | 0.012        | 0.000             | 0.000  | 0.016  | 17.100   | 0.000                      | 0.000          | 17.100  |
| Uttar Pradesh | Raw Coal (FC)               | 71.280          | 4.243           |             |          |                 | 0.180  | 0.130       | 0.183       |                                   |          |              |                   |        | 5.744  | 81.760   |                            |                | 81.760  |
|               | Washed Coal                 | 2.092           |                 |             |          |                 |        |             |             |                                   |          |              |                   |        |        | 2.092    |                            |                | 2.092   |
|               | Tot Coal (FC)               | 73.372          | 4.243           | 0.000       | 0.000    | 0.000           | 0.180  | 0.130       | 0.183       | 0.000                             | 0.000    | 0.000        | 0.000             | 0.000  | 5.744  | 83.852   | 0.000                      | 0.000          | 83.852  |
| Uttaranchal   | Raw Coal (FC)               |                 | 0.269           |             |          |                 |        |             |             |                                   |          |              |                   |        | 0.281  | 0.550    |                            |                | 0.550   |
| West Bengal   | Raw Coal (FC)               | 41.161          | 0.474           | 0.197       | 0.000    | 0.000           | 0.001  | 0.000       | 0.650       | 0.000                             | 0.000    | 0.000        | 0.000             | 0.000  | 3.578  | 46.061   | 0.177                      |                | 46.238  |
|               | Washed Coal                 | 0.759           | 0.219           |             | 0.586    |                 |        |             |             |                                   |          |              |                   |        |        | 1.564    |                            |                | 1.564   |
|               | Middlings                   | 0.152           | 0.407           |             |          |                 |        |             |             |                                   |          |              |                   |        |        | 0.559    |                            |                | 0.559   |
|               | Tot Coal (FC)               | 42.072          | 1.100           | 0.197       | 0.586    | 0.000           | 0.001  | 0.000       | 0.650       | 0.000                             | 0.000    | 0.000        | 0.000             | 0.000  | 3.578  | 48.184   | 0.177                      | 0.000          | 48.361  |
| Others        | Raw Coal (FC)               |                 |                 |             |          |                 |        |             |             |                                   |          |              |                   |        | 13.038 | 13.038   |                            |                | 13.038  |
|               | Middlings                   |                 |                 |             |          |                 |        |             |             |                                   |          |              |                   |        |        | 0.000    |                            |                | 0.000   |
|               | Tot Coal (FC)               | 0.000           | 0.000           | 0.000       | 0.000    | 0.000           | 0.000  | 0.000       | 0.000       | 0.000                             | 0.000    | 0.000        | 0.000             | 0.000  | 13.038 | 13.038   | 0.000                      | 0.000          | 13.038  |
| All India     | Raw Coal (FC)               | 528.945         | 45.786          | 5.337       | 0.000    | 0.100           | 6.754  | 1.527       | 9.555       | 0.683                             | 0.158    | 1.045        | 0.080             | 0.025  | 80.839 | 680.834  | 0.197                      | 0.000          | 681.031 |
|               | Washed Coal                 | 18.469          | 0.813           | 0.000       | 3.148    | 0.000           | 0.000  | 0.000       | 0.003       | 0.000                             | 0.000    | 0.000        | 0.000             | 0.000  | 0.070  | 22.503   | 0.000                      | 0.000          | 22.503  |
|               | Middlings                   | 0.772           | 2.103           | 0.000       | 0.000    | 0.442           | 0.000  | 0.000       | 0.000       | 0.000                             | 0.000    | 0.000        | 0.000             | 0.000  | 0.007  | 3.324    | 0.000                      | 0.000          | 3.324   |
|               | Tot Coal (FC)               | 548.186         | 48.702          | 5.337       | 3.148    | 0.542           | 6.754  | 1.527       | 9.558       | 0.683                             | 0.158    | 1.045        | 0.080             | 0.025  | 80.916 | 706.661  | 0.197                      | 0.000          | 706.858 |

## LIGNITE :

|           |         |        |        |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |        |
|-----------|---------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|
| Gujarat   | Lignite | 6.838  |        |       |       |       | 0.102 |       |       |       | 0.364 | 0.475 | 0.252 | 0.418 | 2.370 | 10.819 |       |       | 10.819 |
| Rajasthan | Lignite |        | 8.327  |       |       |       | 0.161 |       |       |       |       |       | 0.038 | 0.002 | 0.629 | 9.157  |       |       | 9.157  |
| Tamilnadu | Lignite | 8.135  | 9.637  | 0.024 |       |       | 0.548 |       |       |       | 0.001 | 0.091 |       | 0.008 | 0.072 | 18.516 |       |       | 18.516 |
| ALL India | Lignite | 14.973 | 17.964 | 0.024 | 0.000 | 0.000 | 0.811 | 0.000 | 0.000 | 0.000 | 0.365 | 0.566 | 0.290 | 0.428 | 3.071 | 38.492 | 0.000 | 0.000 | 38.492 |

Table 4.26 : Availability and Off-take of Indian Raw Coal from Public &amp; Private Sector During Last Ten Years

(Qty. in MT)

| Year    | Public       |         |         |          |            |         |               | Private      |        |        |          |            |        |               | All India    |         |         |          |            |         |               |
|---------|--------------|---------|---------|----------|------------|---------|---------------|--------------|--------|--------|----------|------------|--------|---------------|--------------|---------|---------|----------|------------|---------|---------------|
|         | Availability |         |         | Off-Take |            |         | Closing Stock | Availability |        |        | Off-Take |            |        | Closing Stock | Availability |         |         | Off-Take |            |         | Closing Stock |
|         | Op.St.       | Prdn.   | Total   | Desp.    | Coll. Con. | Total   |               | Op.St.       | Prdn.  | Total  | Desp.    | Coll. Con. | Total  |               | Op.St.       | Prdn.   | Total   | Desp.    | Coll. Con. | Total   |               |
| (1)     | (2)          | (3)     | (4)     | (5)      | (6)        | (7)     | (8)           | (9)          | (10)   | (11)   | (12)     | (13)       | (14)   | (15)          | (16)         | (17)    | (18)    | (19)     | (20)       | (21)    | (22)          |
| 2011-12 | 71.569       | 490.755 | 562.324 | 486.900  | 0.581      | 487.481 | 72.628        | 0.623        | 49.195 | 49.818 | 48.399   | 0.001      | 48.400 | 1.412         | 72.192       | 539.950 | 612.142 | 535.299  | 0.621      | 535.920 | 74.040        |
| 2012-13 | 72.628       | 509.240 | 581.868 | 520.326  | 0.466      | 520.792 | 61.347        | 1.412        | 47.162 | 48.574 | 46.810   | 0.002      | 46.812 | 1.702         | 74.040       | 556.402 | 630.442 | 567.136  | 0.468      | 567.604 | 63.049        |
| 2013-14 | 61.347       | 528.080 | 589.427 | 533.951  | 0.424      | 534.375 | 54.534        | 1.702        | 37.685 | 39.387 | 38.109   | 0.001      | 38.110 | 0.980         | 63.049       | 565.765 | 628.814 | 572.060  | 0.425      | 572.485 | 55.514        |
| 2014-15 | 54.534       | 567.032 | 621.566 | 543.648  | 0.575      | 544.223 | 59.101        | 0.980        | 42.147 | 43.127 | 27.087   | 0.001      | 27.088 | 0.288         | 55.514       | 609.179 | 664.693 | 570.735  | 0.576      | 571.311 | 59.389        |
| 2015-16 | 59.101       | 606.677 | 665.778 | 600.306  | 0.335      | 600.641 | 64.776        | 0.288        | 32.553 | 32.841 | 32.136   | 0.001      | 32.137 | 0.585         | 59.389       | 639.230 | 698.619 | 632.442  | 0.336      | 632.778 | 65.361        |
| 2016-17 | 64.776       | 625.196 | 689.972 | 613.398  | 0.289      | 613.687 | 75.278        | 0.585        | 32.672 | 33.257 | 32.580   | 0.000      | 32.580 | 0.674         | 65.361       | 657.868 | 723.229 | 645.978  | 0.289      | 646.267 | 75.952        |
| 2017-18 | 75.278       | 641.774 | 717.052 | 656.706  | 0.243      | 656.949 | 61.031        | 0.674        | 33.626 | 34.300 | 33.297   | 0.000      | 33.297 | 1.005         | 75.952       | 675.400 | 751.352 | 690.003  | 0.243      | 690.246 | 62.036        |
| 2018-19 | 61.031       | 694.983 | 756.014 | 698.919  | 0.220      | 699.139 | 56.776        | 1.005        | 33.735 | 34.740 | 33.875   | 0.000      | 33.875 | 0.864         | 62.036       | 728.718 | 790.754 | 732.794  | 0.220      | 733.014 | 57.640        |
| 2019-20 | 56.776       | 698.224 | 755.000 | 674.526  | 0.211      | 674.737 | 80.568        | 0.864        | 32.650 | 33.514 | 32.650   | 0.000      | 32.650 | 0.864         | 57.640       | 730.874 | 788.514 | 707.176  | 0.211      | 707.387 | 81.432        |
| 2020-21 | 80.568       | 685.950 | 766.518 | 661.145  | 0.197      | 661.342 | 107.804       | 0.864        | 30.133 | 30.997 | 29.739   | 0.000      | 29.739 | 1.256         | 81.432       | 716.083 | 797.515 | 690.884  | 0.197      | 691.081 | 109.060       |

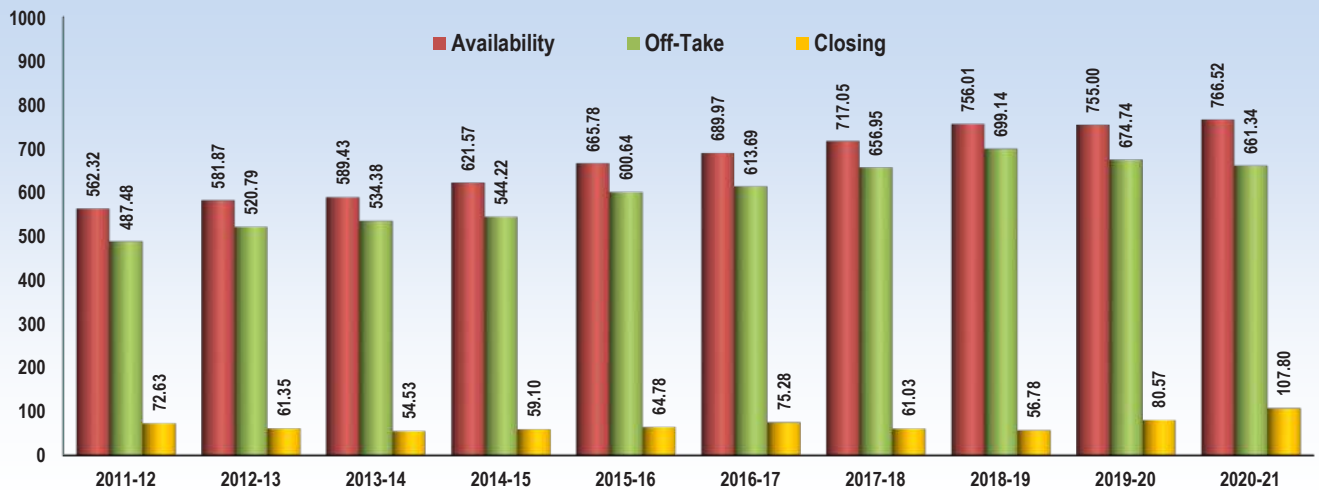
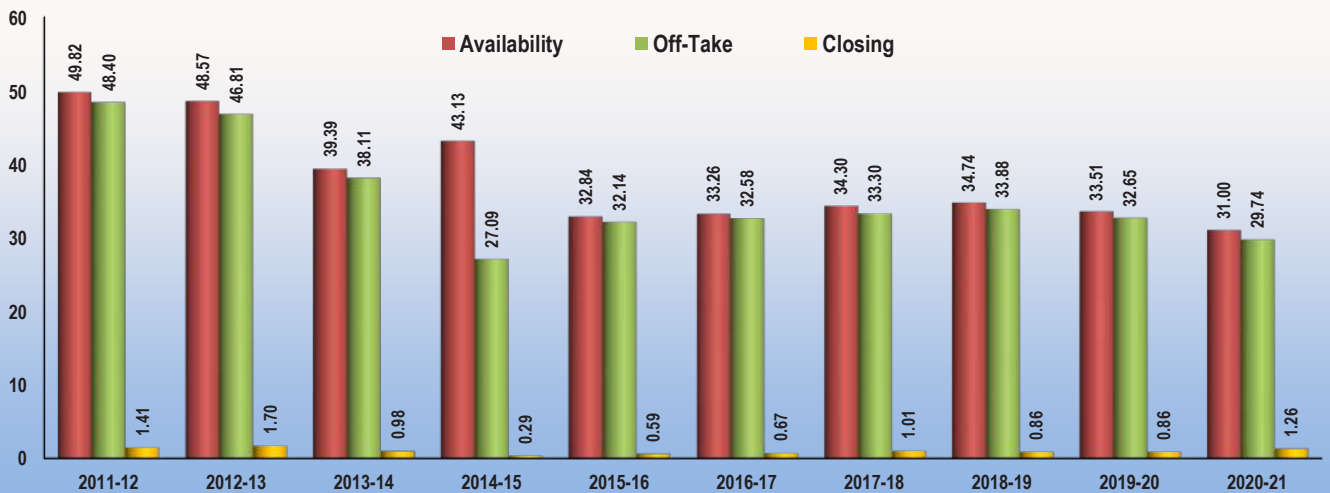
Availability, Off-take and Closing Stock of Coal from Public Sectors in India during Last Ten YearsAvailability, Off-take and Closing Stock of Coal from Private Sectors in India during Last Ten Years

Table 4.27 : Availability and Off-take of Indian Coal by Captive and Non Captive Mine During Last Ten Years

(Quantity in Million Tonnes)

| Year    | Captive      |        |        |          |           |        |               | Non-Captive  |         |         |          |           |         |               | All India    |         |         |          |           |         |               |
|---------|--------------|--------|--------|----------|-----------|--------|---------------|--------------|---------|---------|----------|-----------|---------|---------------|--------------|---------|---------|----------|-----------|---------|---------------|
|         | Availability |        |        | Off-Take |           |        | Closing Stock | Availability |         |         | Off-Take |           |         | Closing Stock | Availability |         |         | Off-Take |           |         | Closing Stock |
|         | Op.St.       | Prdn.  | Total  | Desp.    | Coll. Con | Total  |               | Op.St.       | Prdn.   | Total   | Desp.    | Coll. Con | Total   |               | Op.St.       | Prdn.   | Total   | Desp.    | Coll. Con | Total   |               |
| (1)     | (2)          | (3)    | (4)    | (5)      | (6)       | (7)    | (8)           | (9)          | (10)    | (11)    | (12)     | (13)      | (14)    | (15)          | (16)         | (17)    | (18)    | (19)     | (20)      | (21)    | (22)          |
| 2011-12 | 0.719        | 43.706 | 44.425 | 43.099   | 0.002     | 43.101 | 1.436         | 71.473       | 496.244 | 567.717 | 492.200  | 0.580     | 492.780 | 72.604        | 72.192       | 539.950 | 612.142 | 535.299  | 0.582     | 535.881 | 74.040        |
| 2012-13 | 1.436        | 45.280 | 46.716 | 44.865   | 0.001     | 44.866 | 1.834         | 72.604       | 511.122 | 583.726 | 522.271  | 0.467     | 522.738 | 61.215        | 74.040       | 556.402 | 630.442 | 567.136  | 0.468     | 567.604 | 63.049        |
| 2013-14 | 1.834        | 39.484 | 41.318 | 39.871   | 0.000     | 39.871 | 1.224         | 61.215       | 526.281 | 587.496 | 532.189  | 0.425     | 532.614 | 54.290        | 63.049       | 565.765 | 628.814 | 572.060  | 0.425     | 572.485 | 55.514        |
| 2014-15 | 1.224        | 52.722 | 53.946 | 52.570   | 0.000     | 52.570 | 0.475         | 54.290       | 556.457 | 610.747 | 551.202  | 0.576     | 551.778 | 58.914        | 55.514       | 609.179 | 664.693 | 603.772  | 0.576     | 604.348 | 59.389        |
| 2015-16 | 0.475        | 31.101 | 31.576 | 30.553   | 0.000     | 30.553 | 0.704         | 58.914       | 608.129 | 667.043 | 601.889  | 0.336     | 602.225 | 64.657        | 59.389       | 639.230 | 698.619 | 632.442  | 0.336     | 632.778 | 65.361        |
| 2016-17 | 0.704        | 37.867 | 38.571 | 36.446   | 0.000     | 36.446 | 2.122         | 64.657       | 620.001 | 684.658 | 609.532  | 0.289     | 609.821 | 73.830        | 65.361       | 657.868 | 723.229 | 645.978  | 0.289     | 646.267 | 75.952        |
| 2017-18 | 2.122        | 41.620 | 43.742 | 41.821   | 0.000     | 41.821 | 1.922         | 73.830       | 633.780 | 707.610 | 648.182  | 0.243     | 648.425 | 60.114        | 75.952       | 675.400 | 751.352 | 690.003  | 0.243     | 690.246 | 62.036        |
| 2018-19 | 1.922        | 54.852 | 56.774 | 54.662   | 0.000     | 54.662 | 2.110         | 60.114       | 673.866 | 733.980 | 678.132  | 0.220     | 678.352 | 55.530        | 62.036       | 728.718 | 790.754 | 732.794  | 0.220     | 733.014 | 57.640        |
| 2019-20 | 2.110        | 61.296 | 63.406 | 59.966   | 0.000     | 59.966 | 3.259         | 55.530       | 669.578 | 725.108 | 647.210  | 0.211     | 647.421 | 78.173        | 57.640       | 730.874 | 788.514 | 707.176  | 0.211     | 707.387 | 81.432        |
| 2020-21 | 3.259        | 66.351 | 69.610 | 62.465   | 0.000     | 62.465 | 4.713         | 78.173       | 649.732 | 727.905 | 628.419  | 0.197     | 628.616 | 104.347       | 81.432       | 716.083 | 797.515 | 690.884  | 0.197     | 691.081 | 109.060       |

Availability, Off-take and Closing Stock of Raw Coal in Indian during Last Ten Years



Table 4.28: Availability and Off-take of Raw Coal by Companies in India During 2019-20 &amp; 2020-21

(Qty. in MT)

| Company              | 2019-20       |                |                |                |                      |                |               | 2020-21       |                |                |                |                      |                |                |
|----------------------|---------------|----------------|----------------|----------------|----------------------|----------------|---------------|---------------|----------------|----------------|----------------|----------------------|----------------|----------------|
|                      | Availability  |                |                | Off-Take       |                      |                | Closing Stock | Availability  |                |                | Off-Take       |                      |                | Closing Stock  |
|                      | Opening Stock | Production     | Total          | Despatch       | Colliery Consumption | Total          |               | Opening Stock | Production     | Total          | Despatch       | Colliery Consumption | Total          |                |
| (1)                  | (2)           | (3)            | (4)            | (5)            | (6)                  | (7)            | (8)           | (9)           | (10)           | (11)           | (12)           | (13)                 | (14)           | (15)           |
| <b>Total CIL</b>     | <b>54.291</b> | <b>602.129</b> | <b>656.420</b> | <b>581.640</b> | <b>0.211</b>         | <b>581.851</b> | <b>75.055</b> | <b>75.055</b> | <b>596.221</b> | <b>671.276</b> | <b>573.628</b> | <b>0.197</b>         | <b>573.825</b> | <b>99.139</b>  |
| SCCL                 | 1.609         | 64.044         | <b>65.653</b>  | 62.465         |                      | <b>62.465</b>  | 3.188         | 3.188         | 50.580         | <b>53.768</b>  | 48.513         |                      | <b>48.513</b>  | 5.239          |
| JKML                 | 0.003         | 0.014          | <b>0.017</b>   | 0.010          |                      | <b>0.010</b>   | 0.007         | 0.007         | 0.010          | <b>0.017</b>   | 0.008          |                      | <b>0.008</b>   | 0.009          |
| JSMDCL               | 0.000         | 0.068          | <b>0.068</b>   | 0.064          |                      | <b>0.064</b>   | 0.004         | 0.004         | 0.079          | <b>0.083</b>   | 0.069          |                      | <b>0.069</b>   | 0.015          |
| DVC                  | 0.060         | 0.000          | <b>0.060</b>   | 0.000          |                      | <b>0.000</b>   | 0.060         | 0.060         | 0.000          | <b>0.060</b>   | 0.000          |                      | <b>0.000</b>   | 0.060          |
| IISCO                | 0.004         | 0.534          | <b>0.538</b>   | 0.534          |                      | <b>0.534</b>   | 0.004         | 0.004         | 0.191          | <b>0.195</b>   | 0.192          |                      | <b>0.192</b>   | 0.003          |
| SAIL                 | 0.185         | 0.000          | <b>0.185</b>   | 0.000          |                      | <b>0.000</b>   | 0.000         | 0.000         | 0.000          | <b>0.000</b>   | 0.000          |                      | <b>0.000</b>   | 0.000          |
| RRVUNL               | 0.000         | 15.000         | <b>15.000</b>  | 15.000         |                      | <b>15.000</b>  | 0.000         | 0.000         | 15.000         | <b>15.000</b>  | 15.000         |                      | <b>15.000</b>  | 0.000          |
| NTPC                 | 0.561         | 11.151         | <b>11.712</b>  | 10.696         |                      | <b>10.696</b>  | 1.016         | 1.016         | 11.005         | <b>12.021</b>  | 10.939         |                      | <b>10.939</b>  | 1.083          |
| WBPDCCL              | 0.063         | 2.112          | <b>2.175</b>   | 1.927          |                      | <b>1.927</b>   | 0.250         | 0.250         | 6.258          | <b>6.508</b>   | 6.588          |                      | <b>6.588</b>   | 0.873          |
| CSPGCL               | 0.000         | 0.510          | <b>0.510</b>   | 0.018          |                      | <b>0.018</b>   | 0.492         | 0.492         | 1.502          | <b>1.994</b>   | 1.660          |                      | <b>1.660</b>   | 0.334          |
| TSPGCL               | 0.002         | 1.659          | <b>1.661</b>   | 1.657          |                      | <b>1.657</b>   | 0.004         | 0.004         | 2.023          | <b>2.027</b>   | 2.020          |                      | <b>2.020</b>   | 0.008          |
| OCPL                 | 0.000         | 1.003          | <b>1.003</b>   | 0.515          |                      | <b>0.515</b>   | 0.488         | 0.488         | 2.001          | <b>2.489</b>   | 1.804          |                      | <b>1.804</b>   | 0.685          |
| DPL                  |               |                |                |                |                      |                |               |               | 0.067          | <b>0.067</b>   | 0.024          |                      | <b>0.024</b>   | 0.043          |
| NLCIL                |               |                |                |                |                      |                |               |               | 1.013          | <b>1.013</b>   | 0.700          |                      | <b>0.700</b>   | 0.313          |
| <b>Total Public</b>  | <b>56.778</b> | <b>698.224</b> | <b>755.002</b> | <b>674.526</b> | <b>0.211</b>         | <b>674.737</b> | <b>80.568</b> | <b>80.568</b> | <b>685.950</b> | <b>766.518</b> | <b>661.145</b> | <b>0.197</b>         | <b>661.342</b> | <b>107.804</b> |
| TSL                  | 0.009         | 6.210          | <b>6.219</b>   | 6.206          |                      | <b>6.206</b>   | 0.012         | 0.012         | 5.853          | <b>5.865</b>   | 5.850          |                      | <b>5.850</b>   | 0.016          |
| SPL                  | 0.264         | 18.700         | <b>18.964</b>  | 18.783         |                      | <b>18.783</b>  | 0.181         | 0.181         | 18.570         | <b>18.751</b>  | 18.067         |                      | <b>18.067</b>  | 0.683          |
| CESC                 | 0.148         | 1.958          | <b>2.106</b>   | 1.887          |                      | <b>1.887</b>   | 0.219         | 0.219         | 2.079          | <b>2.298</b>   | 1.963          |                      | <b>1.963</b>   | 0.334          |
| HIL                  | 0.319         | 0.729          | <b>1.048</b>   | 0.909          |                      | <b>0.909</b>   | 0.141         | 0.141         | 0.308          | <b>0.449</b>   | 0.317          |                      | <b>0.317</b>   | 0.131          |
| GMR                  | 0.000         | 0.000          | <b>0.000</b>   | 0.000          |                      | <b>0.000</b>   | 0.000         | 0.000         | 0.000          | <b>0.000</b>   | 0.000          |                      | <b>0.000</b>   | 0.000          |
| BALCO                | 0.103         | 1.000          | <b>1.103</b>   | 0.874          |                      | <b>0.874</b>   | 0.230         | 0.230         | 0.002          | <b>0.232</b>   | 0.231          |                      | <b>0.231</b>   | 0.001          |
| SIL                  | 0.017         | 0.270          | <b>0.287</b>   | 0.224          |                      | <b>0.224</b>   | 0.063         | 0.063         | 0.068          | <b>0.131</b>   | 0.100          |                      | <b>0.100</b>   | 0.031          |
| JPVL                 | 0.001         | 2.800          | <b>2.801</b>   | 2.800          |                      | <b>2.800</b>   | 0.001         | 0.001         | 2.800          | <b>2.801</b>   | 2.801          |                      | <b>2.801</b>   | 0.000          |
| RCCPL                | 0.001         | 0.182          | <b>0.183</b>   | 0.182          |                      | <b>0.182</b>   | 0.001         | 0.001         | 0.172          | <b>0.173</b>   | 0.173          |                      | <b>0.173</b>   | 0.000          |
| TUML                 | 0.000         | 0.286          | <b>0.286</b>   | 0.284          |                      | <b>0.284</b>   | 0.002         | 0.002         | 0.112          | <b>0.114</b>   | 0.113          |                      | <b>0.113</b>   | 0.001          |
| OCL                  | 0.000         | 0.115          | <b>0.115</b>   | 0.115          |                      | <b>0.115</b>   | 0.000         | 0.000         | 0.000          | <b>0.000</b>   | 0.000          |                      | <b>0.000</b>   | 0.000          |
| AMBUJA               | 0.000         | 0.400          | <b>0.400</b>   | 0.386          |                      | <b>0.386</b>   | 0.014         | 0.014         | 0.169          | <b>0.183</b>   | 0.124          |                      | <b>0.124</b>   | 0.059          |
| <b>Total Private</b> | <b>0.862</b>  | <b>32.650</b>  | <b>33.512</b>  | <b>32.650</b>  | <b>0.000</b>         | <b>32.650</b>  | <b>0.864</b>  | <b>0.864</b>  | <b>30.133</b>  | <b>30.997</b>  | <b>29.739</b>  | <b>0.000</b>         | <b>29.739</b>  | <b>1.256</b>   |
| <b>All India</b>     | <b>57.640</b> | <b>730.874</b> | <b>788.514</b> | <b>707.176</b> | <b>0.211</b>         | <b>707.387</b> | <b>81.432</b> | <b>81.432</b> | <b>716.083</b> | <b>797.515</b> | <b>690.884</b> | <b>0.197</b>         | <b>691.081</b> | <b>109.060</b> |

Table 4.29: Company Wise and Sector Wise Off-take of Lignite During Last Five Years

(Qty. in MT)

| Company      | Year           | Power         | Steel        | Cement       | Fertilizer   | Textiles     | B & C        | Paper        | Brick        | Chemical     | Others       | Total         |
|--------------|----------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| (1)          | (2)            | (3)           | (4)          | (5)          | (6)          | (7)          | (8)          | (9)          | (10)         | (11)         | (12)         | (13)          |
| GIPCL        | 2016-17        | 2.816         |              |              |              |              |              |              |              |              |              | 2.816         |
| GMDCL        | 2016-17        | 3.997         |              | 0.190        |              | 1.292        | 0.038        | 0.484        | 0.406        | 0.194        | 1.051        | 7.652         |
| GHCL         | 2016-17        | 0.077         |              |              |              |              |              |              |              |              |              | 0.077         |
| NLCL         | 2016-17        | 25.451        | 0.035        | 0.002        |              |              |              | 0.042        | 0.009        |              | 0.039        | 25.578        |
| RSMML        | 2016-17        |               |              | 0.099        |              |              |              |              |              | 0.002        | 0.448        | 0.549         |
| VSLPPL       | 2016-17        | 0.476         |              |              |              |              |              |              |              |              |              | 0.476         |
| BLMCL        | 2016-17        | 6.007         |              |              |              |              |              |              |              |              |              | 6.007         |
| <b>TOTAL</b> | <b>2016-17</b> | <b>38.824</b> | <b>0.035</b> | <b>0.291</b> | <b>0.000</b> | <b>1.292</b> | <b>0.038</b> | <b>0.526</b> | <b>0.415</b> | <b>0.196</b> | <b>1.538</b> | <b>43.155</b> |
| GIPCL        | 2017-18        | 3.123         |              |              |              |              |              |              |              |              |              | 3.123         |
| GMDCL        | 2017-18        | 4.633         |              | 0.602        | 0.001        | 2.452        |              | 0.704        | 0.371        | 0.222        | 1.616        | 10.601        |
| GHCL         | 2017-18        | 0.055         |              |              |              |              |              |              |              |              |              | 0.055         |
| NLCL         | 2017-18        | 24.491        | 0.120        | 0.227        |              |              |              | 0.054        | 0.009        |              | 0.081        | 24.982        |
| RSMML        | 2017-18        |               |              | 0.262        |              | 0.005        |              |              |              | 0.001        | 0.751        | 1.019         |
| VSLPPL       | 2017-18        | 0.426         |              |              |              |              |              |              |              |              |              | 0.426         |
| BLMCL        | 2017-18        | 6.111         |              |              |              |              |              |              |              |              |              | 6.111         |
| <b>TOTAL</b> | <b>2017-18</b> | <b>38.839</b> | <b>0.120</b> | <b>1.091</b> | <b>0.001</b> | <b>2.457</b> | <b>0.000</b> | <b>0.758</b> | <b>0.380</b> | <b>0.223</b> | <b>2.448</b> | <b>46.317</b> |
| GIPCL        | 2018-19        | 3.313         |              |              |              |              |              |              |              |              |              | 3.313         |
| GMDCL        | 2018-19        | 3.899         |              | 0.286        | 0.001        | 2.557        |              | 0.463        | 0.623        | 0.324        | 1.007        | 9.160         |
| GHCL         | 2018-19        | 0.082         |              |              |              |              |              |              |              |              |              | 0.082         |
| NLCL         | 2018-19        | 24.156        | 0.094        | 1.212        |              |              | 0.004        | 0.139        | 0.011        | 0.004        | 0.099        | 25.719        |
| RSMML        | 2018-19        | 0.058         |              | 0.305        |              | 0.057        | 0.186        |              |              |              | 0.711        | 1.317         |
| VSLPPL       | 2018-19        | 0.303         |              |              |              |              |              |              |              |              |              | 0.303         |
| BLMCL        | 2018-19        | 5.917         |              |              |              |              |              |              |              |              |              | 5.917         |
| <b>TOTAL</b> | <b>2018-19</b> | <b>37.728</b> | <b>0.094</b> | <b>1.803</b> | <b>0.001</b> | <b>2.614</b> | <b>0.190</b> | <b>0.602</b> | <b>0.634</b> | <b>0.328</b> | <b>1.817</b> | <b>45.811</b> |
| GIPCL        | 2019-20        | 3.342         |              |              |              |              |              |              |              |              |              | 3.342         |
| GMDCL        | 2019-20        | 2.691         |              | 0.144        | 0.002        | 0.122        | 0.014        | 0.438        | 0.454        | 0.298        | 2.794        | 6.957         |
| GHCL         | 2019-20        | 0.055         |              |              |              |              |              |              |              |              |              | 0.055         |
| NLCL         | 2019-20        | 24.244        | 0.021        | 0.628        |              |              |              | 0.108        | 0.011        |              | 0.111        | 25.123        |
| RSMML        | 2019-20        |               |              | 0.224        |              | 0.040        | 0.043        |              |              |              | 0.483        | 0.790         |
| VSLPPL       | 2019-20        | 0.697         |              |              |              |              |              |              |              |              |              | 0.697         |
| BLMCL        | 2019-20        | 5.303         |              |              |              |              |              |              |              |              |              | 5.303         |
| <b>TOTAL</b> | <b>2019-20</b> | <b>36.332</b> | <b>0.021</b> | <b>0.996</b> | <b>0.002</b> | <b>0.162</b> | <b>0.057</b> | <b>0.546</b> | <b>0.465</b> | <b>0.298</b> | <b>3.388</b> | <b>42.267</b> |
| GIPCL        | 2020-21        | 3.507         |              |              |              |              |              |              |              |              |              | 3.507         |
| GPCL         | 2020-21        | 1.272         |              |              |              |              |              |              |              |              |              | 1.272         |
| GMDCL        | 2020-21        | 2.023         |              | 0.102        |              | 0.252        |              | 0.475        | 0.418        | 0.364        | 2.370        | 6.004         |
| GHCL         | 2020-21        | 0.036         |              |              |              |              |              |              |              |              |              | 0.036         |
| NLCL         | 2020-21        | 19.009        | 0.024        | 0.548        |              |              |              | 0.091        | 0.008        | 0.001        | 0.072        | 19.753        |
| RSMML        | 2020-21        |               |              | 0.161        |              | 0.038        |              |              | 0.002        |              | 0.629        | 0.830         |
| VSLPPL       | 2020-21        | 0.927         |              |              |              |              |              |              |              |              |              | 0.927         |
| BLMCL        | 2020-21        | 6.163         |              |              |              |              |              |              |              |              |              | 6.163         |
| <b>TOTAL</b> | <b>2020-21</b> | <b>32.937</b> | <b>0.024</b> | <b>0.811</b> | <b>0.000</b> | <b>0.290</b> | <b>0.000</b> | <b>0.566</b> | <b>0.428</b> | <b>0.365</b> | <b>3.071</b> | <b>38.492</b> |

Table 4.30: Captive Block Wise Despatch of Raw Coal During Last Three Years

(Qty. in MT)

| Block                     | Company | State          | 2018-19      |                 |               | 2019-20      |                 |               | 2020-21      |                 |               |
|---------------------------|---------|----------------|--------------|-----------------|---------------|--------------|-----------------|---------------|--------------|-----------------|---------------|
|                           |         |                | Coking Coal  | Non Coking Coal | Total Coal    | Coking Coal  | Non Coking Coal | Total Coal    | Coking Coal  | Non Coking Coal | Total Coal    |
| (1)                       | (2)     | (3)            | (4)          | (5)             | (6)           | (7)          | (8)             | (9)           | (10)         | (11)            | (12)          |
| SECL(GP-IV/2&3)           | SECL    | Chhattisgarh   |              | 3.200           | 3.200         |              | 2.888           | 2.888         |              | 3.241           | 3.241         |
| SECL(GP-IV/1)             | SECL    | Chhattisgarh   |              | 1.839           | 1.839         |              | 0.821           | 0.821         |              |                 | 0.000         |
| Parsa East & Kanta Basan  | RRVUNL  | Chhattisgarh   |              | 15.000          | 15.000        |              | 15.000          | 15.000        |              | 15.000          | 15.000        |
| Pakri Barwadih            | NTPC    | Jharkhand      |              | 6.797           | 6.797         |              | 9.462           | 9.462         |              | 6.638           | 6.638         |
| Dulanga                   | NTPC    | Odisha         |              | 0.175           | 0.175         |              | 1.234           | 1.234         |              | 3.400           | 3.400         |
| Tallipalli                | NTPC    | Chhattisgarh   |              | 0.000           | 0.000         |              | 0.000           | 0.000         |              | 0.901           | 0.901         |
| Talabira II & III         | NLCL    | Odisha         |              |                 | 0.000         |              |                 | 0.000         |              | 0.700           | 0.700         |
| Tasra                     | SAIL    | Jharkhand      |              |                 | 0.000         |              |                 | 0.000         |              |                 | 0.000         |
| Barjora                   | WBPDCCL | West Bengal    |              | 0.337           | 0.337         |              | 0.563           | 0.563         |              | 0.207           | 0.207         |
| Barjora North             | WBPDCCL | West Bengal    |              |                 | 0.000         |              | 0.525           | 0.525         |              | 0.678           | 0.678         |
| Pachhawara North          | WBPDCCL | Jharkhand      |              |                 | 0.000         |              | 0.839           | 0.839         |              | 4.279           | 4.279         |
| Gangaramchak Bhadulia     | WBPDCCL | West Bengal    |              |                 | 0.000         |              |                 | 0.000         |              | 1.424           | 1.424         |
| Trans Damodar             | DPL     | West Bengal    |              |                 | 0.000         |              |                 | 0.000         |              | 0.024           | 0.024         |
| Tadicherla                | TSPGCL  | Telangana      |              | 0.757           | 0.757         |              | 1.657           | 1.657         |              | 2.020           | 2.020         |
| GP Sector III             | CSPGCL  | Chhattisgarh   |              |                 | 0.000         |              | 0.018           | 0.018         |              | 1.660           | 1.660         |
| Manoharpur                | OCPL    | Odisha         |              |                 | 0.000         |              | 0.515           | 0.515         |              | 1.804           | 1.804         |
| <b>Total Public</b>       |         |                | <b>0.000</b> | <b>28.105</b>   | <b>28.105</b> | <b>0.000</b> | <b>33.522</b>   | <b>33.522</b> | <b>0.000</b> | <b>41.976</b>   | <b>41.976</b> |
| Amelia North              | JPVL    | Madhya Pradesh |              | 2.799           | 2.799         |              | 2.800           | 2.800         |              | 2.801           | 2.801         |
| Belgaon                   | SIL     | Maharashtra    |              | 0.270           | 0.270         |              | 0.224           | 0.224         |              | 0.100           | 0.100         |
| Chotia II                 | BALCO   | Chhattisgarh   |              | 0.563           | 0.563         |              | 0.874           | 0.874         |              | 0.231           | 0.231         |
| Gare Palma IV/4           | HIL     | Chhattisgarh   |              | 1.000           | 1.000         |              | 0.530           | 0.530         |              | 0.292           | 0.292         |
| Gare Palma IV/5           | HIL     | Chhattisgarh   |              | 0.552           | 0.552         |              | 0.135           | 0.135         |              | 0.001           | 0.001         |
| Kathautia                 | HIL     | Chhattisgarh   |              | 0.758           | 0.758         |              | 0.244           | 0.244         |              | 0.024           | 0.024         |
| Moher & Moher Amlori Extn | SPL     | Madhya Pradesh |              | 18.001          | 18.001        |              | 18.783          | 18.783        |              | 18.067          | 18.067        |
| Sarshatali                | CESC    | West Bengal    |              | 1.948           | 1.948         |              | 1.887           | 1.887         |              | 1.963           | 1.963         |
| Talabira-I                | GMR     | Odisha         |              | 0.000           | 0.000         |              | 0.000           | 0.000         |              |                 | 0.000         |
| Sial Ghogri               | RCCPL   | Madhya Pradesh |              | 0.103           | 0.103         |              | 0.182           | 0.182         |              | 0.173           | 0.173         |
| Marki Mangli I            | TUML    | Maharashtra    |              | 0.302           | 0.302         |              | 0.284           | 0.284         |              | 0.113           | 0.113         |
| Ardhagram                 | OCL     | Odisha         |              | 0.161           | 0.161         |              | 0.115           | 0.115         |              |                 | 0.000         |
| Gare Palma IV/8           | AMBUJA  | Chhattisgarh   |              | 0.100           | 0.100         |              | 0.386           | 0.386         |              | 0.124           | 0.124         |
| <b>Total Private</b>      |         |                | <b>0.000</b> | <b>26.557</b>   | <b>26.557</b> | <b>0.000</b> | <b>26.444</b>   | <b>26.444</b> | <b>0.000</b> | <b>23.889</b>   | <b>23.889</b> |
| <b>Grand Total</b>        |         |                | <b>0.000</b> | <b>54.662</b>   | <b>54.662</b> | <b>0.000</b> | <b>59.966</b>   | <b>59.966</b> | <b>0.000</b> | <b>65.865</b>   | <b>65.865</b> |

Table 4.31 Balance Sheet of Availability and Supply of Raw Coal &amp; Lignite During 2019-20 &amp; 2020-21

(Qty. in MT)

| Availability<br>(within India)                              | 2019-20        | 2020-21        | Supply<br>(within India)   | 2019-20        |               |                  |                | 2020-21        |               |                  |                |
|-------------------------------------------------------------|----------------|----------------|----------------------------|----------------|---------------|------------------|----------------|----------------|---------------|------------------|----------------|
| (A) Production                                              |                |                | Sectors                    | Raw<br>Coal    | Lignite       | Imported<br>Coal | Total          | Raw<br>Coal    | Lignite       | Imported<br>Coal | Total          |
| Coking Coal                                                 | 52.936         | 44.787         |                            |                |               |                  |                |                |               |                  |                |
| Non-Coking Coal                                             | 677.938        | 671.296        | Steel                      | 11.908         | 0.021         | 51.833           | 63.762         | 8.975          | 0.024         | 51.198           | 60.197         |
| Lignite                                                     | 42.096         | 37.895         | Power<br>(Utility+Captive) | 626.149        | 36.332        |                  | 662.481        | 581.233        | 32.937        |                  | 614.170        |
| <b>Total</b>                                                | <b>772.970</b> | <b>753.978</b> | Cement                     | 8.569          | 0.996         |                  | 9.565          | 6.754          | 0.811         |                  | 7.565          |
| <b>(B) Change of Vendible Stock<br/>(Closing - Opening)</b> |                |                | Textile                    | 0.101          | 0.162         |                  | 0.263          | 0.080          | 0.29          |                  | 0.370          |
| Coking Coal                                                 | 2.287          | 0.807          | Sponge Iron                | 10.529         | 0.014         |                  | 10.543         | 9.565          | 0.000         |                  | 9.565          |
| Non-Coking Coal                                             | 21.505         | 26.821         | Fertilizer & Chem.         | 1.764          | 0.002         |                  | 1.766          | 1.527          | 0             |                  | 1.527          |
| Lignite                                                     | -0.177         | -0.514         | Paper                      | 1.326          | 0.546         |                  | 1.872          | 1.045          | 0.566         |                  | 1.611          |
| <b>Total Change<br/>(Closing - Opening)</b>                 | <b>23.615</b>  | <b>27.114</b>  | Brick                      | 0.026          | 0.465         |                  | 0.491          | 0.025          | 0.428         |                  | 0.453          |
| <b>(C) Import</b>                                           |                |                | Others                     | 46.804         | 3.729         | 196.704          | 247.237        | 81.680         | 3.436         | 164.053          | 249.169        |
| Coking Coal                                                 | 51.833         | 51.198         | Colliery Consmn.           | 0.211          |               |                  | 0.211          | 0.197          |               |                  | 0.197          |
| Non-Coking Coal                                             | 196.704        | 164.053        | <b>Total Off-take</b>      | <b>707.387</b> | <b>42.267</b> | <b>248.537</b>   | <b>998.191</b> | <b>691.081</b> | <b>38.492</b> | <b>215.251</b>   | <b>944.824</b> |
| <b>Total Raw Coal</b>                                       | <b>248.537</b> | <b>215.251</b> | Statistical<br>Difference  |                |               |                  | -1.329         |                |               |                  | -5.654         |
| <b>(D) Export</b>                                           | <b>1.030</b>   | <b>2.945</b>   |                            |                |               |                  |                |                |               |                  |                |
| <b>(E) Total Availability</b>                               | <b>996.862</b> | <b>939.170</b> | <b>Total Supply</b>        | <b>996.862</b> |               |                  |                | <b>939.170</b> |               |                  |                |



5

## Pit-head Closing Stock



## Section V

### 5.1 Pit-Head Closing Stock

**5.1.1** The concept of pit-head closing stock has already been discussed in detail in Section-1. It is to be noted that the concept of pit-head closing stock of coal refers to raw coal. As of 31-03-2021, the Pit-head closing stock of coal was 109.060 MT and lignite 4.981 MT. Statement 5.1 shows details of pit-head closing stock of raw coal and lignite for 2019-20 and 2020-21. It can be seen that in 2020-21, closing stock of coal hugely increased over 2019-20 by 33.93% whereas for lignite it decreased by 4.37%.

| Statement 5.1 Pit-Head Closing Stock (MT) of Coal and Lignite in India at the end of 2019-20 and 2020-21. |               |                |
|-----------------------------------------------------------------------------------------------------------|---------------|----------------|
| Types of Fossil Fuel                                                                                      | Year          |                |
|                                                                                                           | 2019-20       | 2020-21        |
| <b>Coal</b>                                                                                               |               |                |
| Metallurgical                                                                                             | 3.246         | 5.951          |
| Non-metallurgical                                                                                         | 3.176         | 1.278          |
| <b>Total Coking Coal</b>                                                                                  | <b>6.422</b>  | <b>7.229</b>   |
| Non-coking                                                                                                | 75.010        | 101.831        |
| <b>Total Raw Coal</b>                                                                                     | <b>81.432</b> | <b>109.060</b> |
| <b>Lignite</b>                                                                                            | <b>5.495</b>  | <b>4.981</b>   |

**5.1.2 Statement 5.2** provides the trend of closing stock of coal and lignite for the last ten years.

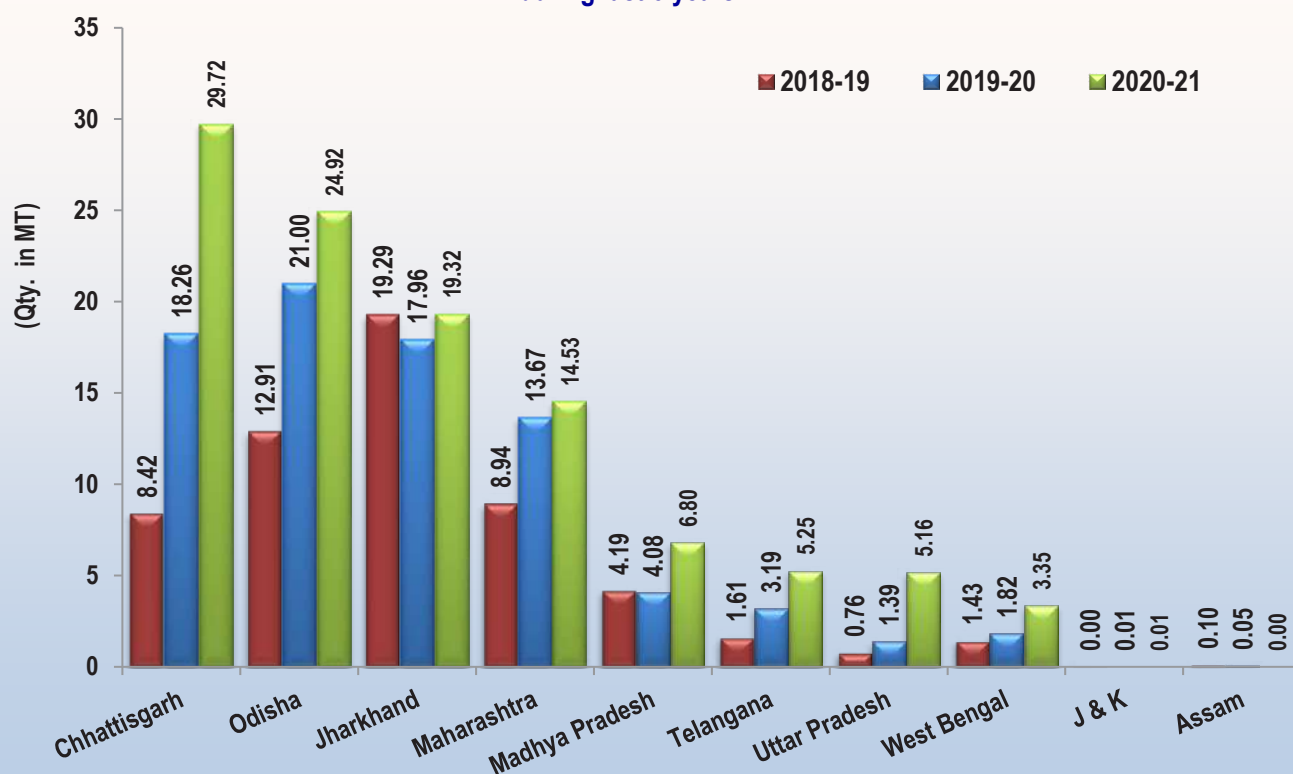
| Statement 5.2 Pit-Head Closing Stock (MT) of Coal and Lignite in India in the last ten years. |                             |         |
|-----------------------------------------------------------------------------------------------|-----------------------------|---------|
| Year                                                                                          | Pit Head Closing Stock (MT) |         |
|                                                                                               | Raw Coal                    | Lignite |
| 2011-12                                                                                       | 74.040                      | 1.051   |
| 2012-13                                                                                       | 63.049                      | 1.493   |
| 2013-14                                                                                       | 55.514                      | 1.860   |
| 2014-15                                                                                       | 59.389                      | 3.176   |
| 2015-16                                                                                       | 65.361                      | 4.809   |
| 2016-17                                                                                       | 76.889                      | 6.883   |
| 2017-18                                                                                       | 62.036                      | 7.210   |
| 2018-19                                                                                       | 57.640                      | 5.672   |
| 2019-20                                                                                       | 81.432                      | 5.495   |
| 2020-21                                                                                       | 109.060                     | 4.981   |

It can be seen that in the case of coal, the pit-head closing stock started decreasing after 2011-12 till 2013-14. Then from 2014-15, it had an increasing trend till 2016-17. But in 2017-18 & 2018-19, it fell sharply and again started rising in 2019-20 & 2020-21. In case of lignite, it had increasing trend since 2011-12 till 2017-18 and then after it has been falling.

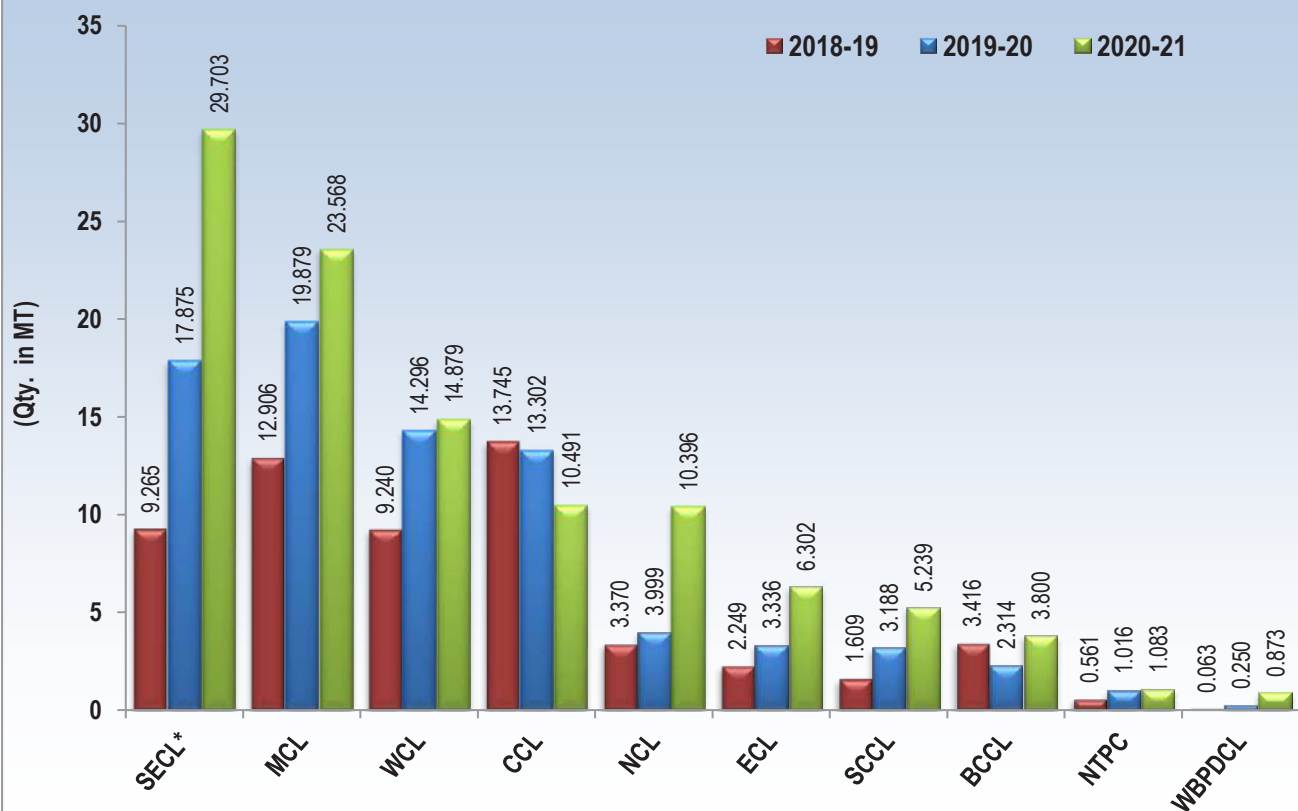
**Statement 5.1.3** shows pit-head closing stock of coal by companies for 2019-20 and 2020-21.

| Statement 5.3: Company wise Pit-Head Closing Stock (MT) of Coal and Lignite in India at the end of 2019-20 and 2020-21 |               |                |
|------------------------------------------------------------------------------------------------------------------------|---------------|----------------|
| Company                                                                                                                | Year          |                |
|                                                                                                                        | 2019-20       | 2020-21        |
| <b>Coal</b>                                                                                                            |               |                |
| ECL                                                                                                                    | 3.336         | 6.302          |
| BCCL                                                                                                                   | 2.314         | 3.800          |
| CCL                                                                                                                    | 13.302        | 10.491         |
| NCL                                                                                                                    | 3.999         | 10.396         |
| WCL                                                                                                                    | 14.296        | 14.879         |
| SECL                                                                                                                   | 17.875        | 29.703         |
| MCL                                                                                                                    | 19.879        | 23.568         |
| NEC                                                                                                                    | 0.054         | 0.000          |
| <b>CIL</b>                                                                                                             | <b>75.055</b> | <b>99.139</b>  |
| SCCL                                                                                                                   | 3.188         | 5.239          |
| Other Public                                                                                                           | 2.325         | 3.426          |
| <b>Total Public</b>                                                                                                    | <b>80.568</b> | <b>107.804</b> |
| <b>Total Private</b>                                                                                                   | <b>0.864</b>  | <b>1.256</b>   |
| <b>Total</b>                                                                                                           | <b>81.432</b> | <b>109.060</b> |
| <b>Lignite</b>                                                                                                         |               |                |
| NLC                                                                                                                    | 5.059         | 4.571          |
| GMDCL                                                                                                                  | 0.000         | 0.000          |
| GIPCL                                                                                                                  | 0.000         | 0.000          |
| GHCL                                                                                                                   | 0.028         | 0.014          |
| RSMML                                                                                                                  | 0.000         | 0.000          |
| VSLPL                                                                                                                  | 0.020         | 0.064          |
| BLMCL                                                                                                                  | 0.388         | 0.243          |
| GPCL                                                                                                                   | 0.000         | 0.089          |
| <b>Total</b>                                                                                                           | <b>5.495</b>  | <b>4.981</b>   |

**Ch. 5.1: State Wise Pit Head Closing Stock of Raw Coal during last 3 years**



**Ch. 5.2: Company Wise Pit Head Closing Stock of Raw Coal during last 3 years**



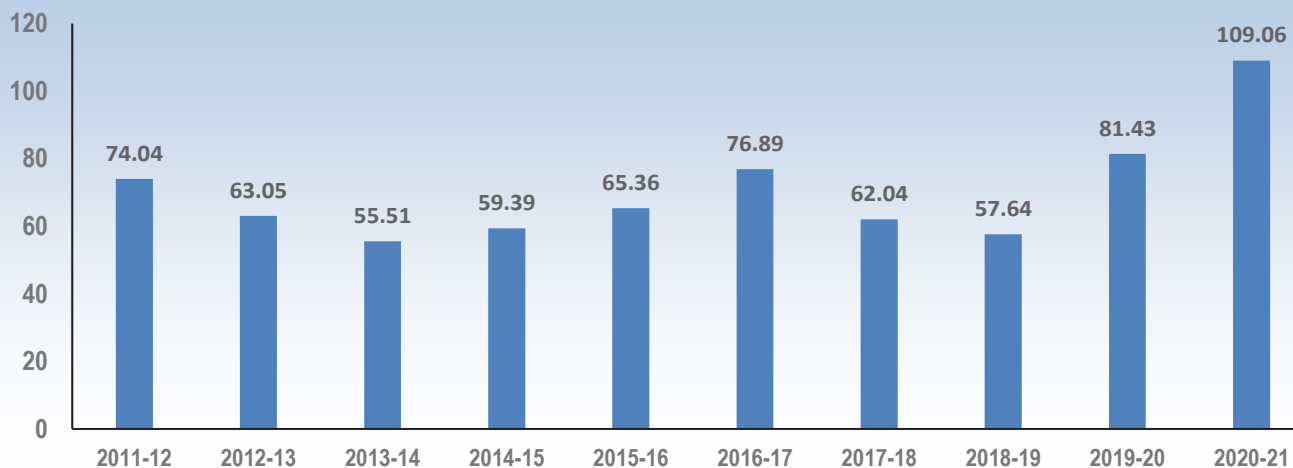
\* Including GP-IV/1 and IV/2 & 3

Table-5.1. Trends of Pit-Head Closing Stock of Different Solid Fossil Fuels in Last Ten Years

(Qty. in MT)

| Year    | Raw Coal               |                                      |                               | Lignite                |                                      |                               | Total Solid Fossil Fuel |                               |
|---------|------------------------|--------------------------------------|-------------------------------|------------------------|--------------------------------------|-------------------------------|-------------------------|-------------------------------|
|         | Pit-head Closing Stock | Share in Total Solid Fossil Fuel (%) | Change Over Previous Year (%) | Pit-head Closing Stock | Share in Total Solid Fossil Fuel (%) | Change Over Previous Year (%) | Pit-head Closing Stock  | Change Over Previous Year (%) |
| (1)     | (2)                    | (3)                                  | (4)                           | (5)                    | (6)                                  | (7)                           | (8)                     | (9)                           |
| 2011-12 | 74.040                 | 98.60                                | 2.56                          | 1.051                  | 1.40                                 | 72.30                         | 75.091                  | 3.14                          |
| 2012-13 | 63.049                 | 97.69                                | -14.84                        | 1.493                  | 2.31                                 | 42.06                         | 64.542                  | -14.05                        |
| 2013-14 | 55.514                 | 96.76                                | -11.95                        | 1.860                  | 3.24                                 | 24.58                         | 57.374                  | -11.11                        |
| 2014-15 | 59.389                 | 94.92                                | 6.98                          | 3.176                  | 5.08                                 | 70.75                         | 62.565                  | 9.05                          |
| 2015-16 | 65.361                 | 93.15                                | 10.06                         | 4.809                  | 6.85                                 | 51.42                         | 70.170                  | 12.16                         |
| 2016-17 | 76.889                 | 91.78                                | 17.64                         | 6.883                  | 8.22                                 | 43.13                         | 83.772                  | 19.38                         |
| 2017-18 | 62.036                 | 89.59                                | -19.32                        | 7.210                  | 10.41                                | 4.75                          | 69.246                  | -17.34                        |
| 2018-19 | 57.640                 | 91.04                                | -7.09                         | 5.672                  | 8.96                                 | -21.33                        | 63.312                  | -8.57                         |
| 2019-20 | 81.432                 | 93.68                                | 41.28                         | 5.495                  | 6.32                                 | -3.12                         | 86.927                  | 37.30                         |
| 2020-21 | 109.060                | 95.63                                | 33.93                         | 4.981                  | 4.37                                 | -9.35                         | 114.041                 | 31.19                         |

Trend of Pit-Head Closing Stock of Raw Coal in Last Ten Years



Trend of Pit-Head Closing Stock of Lignite in Last Ten Years

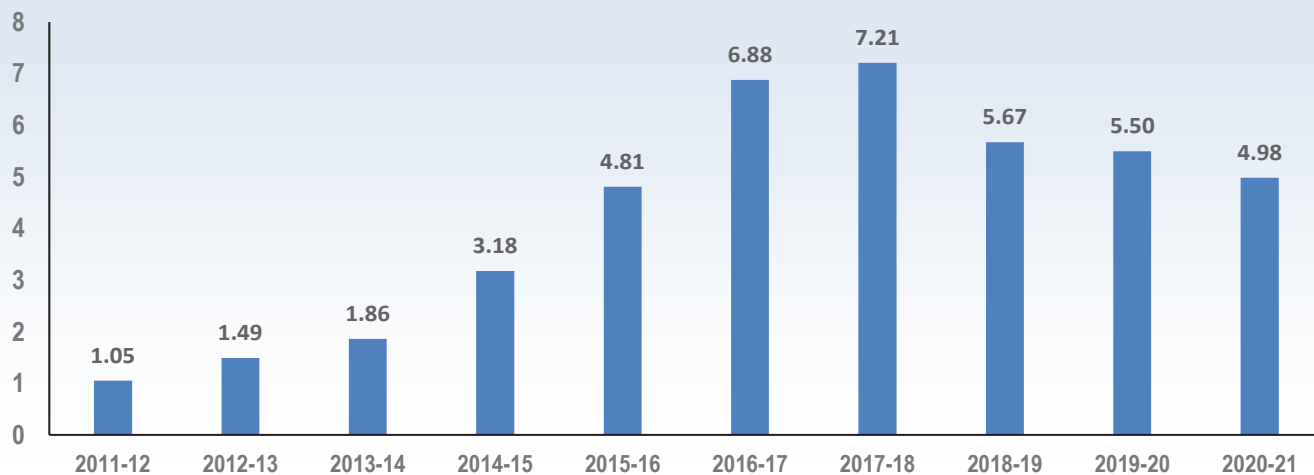
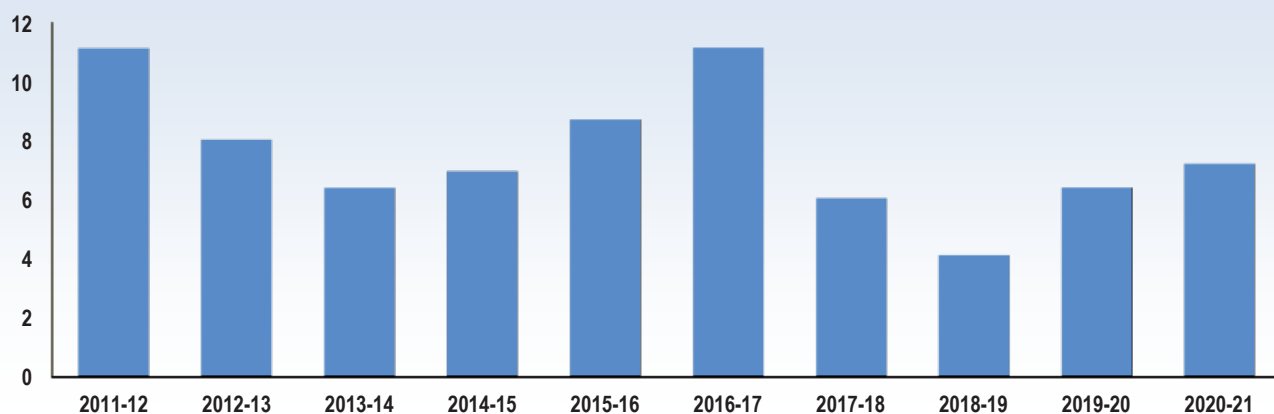


Table-5.2: Trend of Pit-Head Closing Stock of Different types of Raw Coal in Last Ten Years

(Qty. in MT)

| Year    | Coking Coal            |                                |                               |                        |                                |                               |                        |                             |                               | Non Coking Coal        |                             |                               | Raw Coal               |                               |
|---------|------------------------|--------------------------------|-------------------------------|------------------------|--------------------------------|-------------------------------|------------------------|-----------------------------|-------------------------------|------------------------|-----------------------------|-------------------------------|------------------------|-------------------------------|
|         | Metallurgical Coal     |                                |                               | Non Metallurgical Coal |                                |                               | Total Coking Coal      |                             |                               | Pit-head Closing Stock | Share in Total Raw Coal (%) | Change Over Previous Year (%) | Pit-head Closing Stock | Change Over Previous Year (%) |
|         | Pit-head Closing Stock | Share in Total Coking Coal (%) | Change Over Previous Year (%) | Pit-head Closing Stock | Share in Total Coking Coal (%) | Change Over Previous Year (%) | Pit-head Closing Stock | Share in total Raw coal (%) | Change Over Previous Year (%) |                        |                             |                               |                        |                               |
| (1)     | (2)                    | (3)                            | (4)                           | (5)                    | (6)                            | (7)                           | (8)                    | (9)                         | (10)                          | (11)                   | (12)                        | (13)                          | (14)                   | (15)                          |
| 2011-12 | 2.340                  | 21.0                           | 36.4                          | 8.792                  | 79.0                           | -20.3                         | 11.132                 | 15.0                        | -12.7                         | 62.908                 | 85.0                        | 5.8                           | 74.040                 | 2.6                           |
| 2012-13 | 1.480                  | 18.4                           | -36.8                         | 6.556                  | 81.6                           | -25.4                         | 8.036                  | 12.7                        | -27.8                         | 55.013                 | 87.3                        | -12.6                         | 63.049                 | -14.8                         |
| 2013-14 | 1.139                  | 17.8                           | -23.0                         | 5.273                  | 82.2                           | -19.6                         | 6.412                  | 11.6                        | -20.2                         | 49.102                 | 88.4                        | -10.7                         | 55.514                 | -12.0                         |
| 2014-15 | 1.174                  | 16.9                           | 3.1                           | 5.790                  | 83.1                           | 9.8                           | 6.964                  | 11.7                        | 8.6                           | 52.425                 | 88.3                        | 6.8                           | 59.389                 | 7.0                           |
| 2015-16 | 1.562                  | 17.9                           | 33.0                          | 7.162                  | 82.1                           | 23.7                          | 8.724                  | 13.3                        | 25.3                          | 56.637                 | 86.7                        | 8.0                           | 65.361                 | 10.1                          |
| 2016-17 | 1.563                  | 14.0                           | 0.1                           | 9.602                  | 86.0                           | 34.1                          | 11.165                 | 14.5                        | 28.0                          | 65.724                 | 85.5                        | 16.0                          | 76.889                 | 17.6                          |
| 2017-18 | 2.012                  | 33.2                           | 28.7                          | 4.040                  | 66.8                           | -57.9                         | 6.052                  | 9.8                         | -45.8                         | 55.984                 | 90.2                        | -14.8                         | 62.036                 | -19.3                         |
| 2018-19 | 3.482                  | 84.2                           | 73.1                          | 0.653                  | 15.8                           | -83.8                         | 4.135                  | 7.2                         | -31.7                         | 53.505                 | 92.8                        | -4.4                          | 57.640                 | -7.1                          |
| 2019-20 | 3.246                  | 50.5                           | -6.8                          | 3.176                  | 49.5                           | 386.4                         | 6.422                  | 7.9                         | 55.3                          | 75.010                 | 92.1                        | 40.2                          | 81.432                 | 41.3                          |
| 2020-21 | 5.951                  | 82.3                           | 83.3                          | 1.278                  | 17.7                           | -59.8                         | 7.229                  | 6.6                         | 12.6                          | 101.831                | 93.4                        | 35.8                          | 109.060                | 33.9                          |

Trend of Pit-Head Closing Stock of Coking Coal in Last Ten Years



Trend of Pit-Head Closing Stock of Non-Coking Coal in Last Ten Years

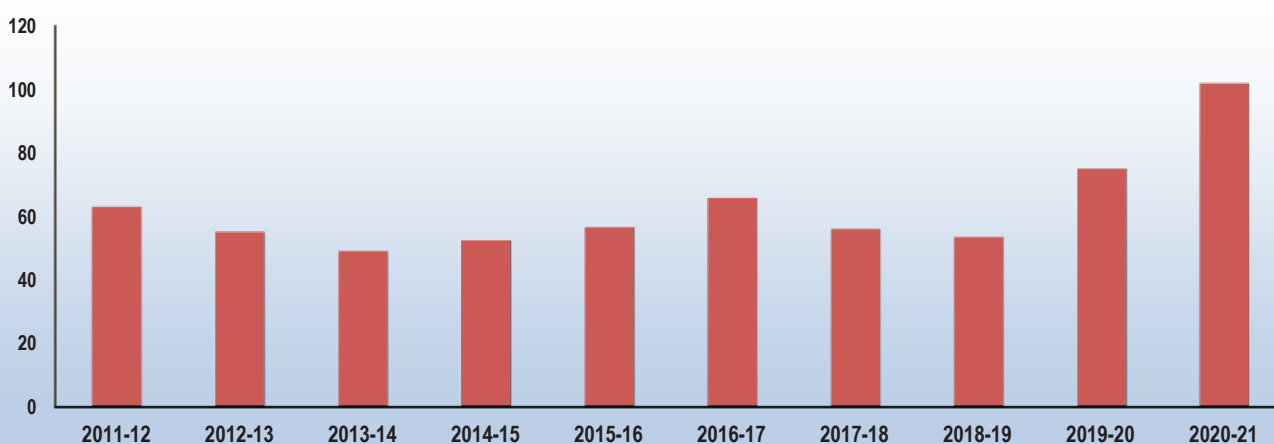
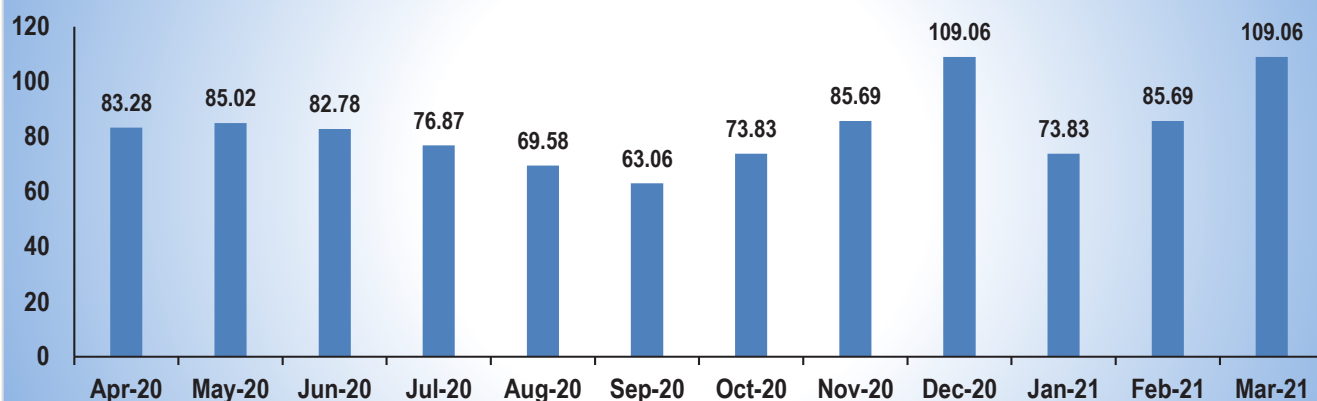


Table-5.3 : Month Wise Pit-Head Closing Stock of Coal, Lignite and Various Coal Products in 2020-21

(Qty. in MT)

| Month                         | Raw Coal       | Lignite      | Washed Coal (Coking) | Washed Coal (Non-Coking) | Middlings (Coking) | Middlings (Non-Coking) | Hard Coke    |
|-------------------------------|----------------|--------------|----------------------|--------------------------|--------------------|------------------------|--------------|
| (1)                           | (2)            | (3)          | (4)                  | (5)                      | (6)                | (7)                    | (8)          |
| Apr-20                        | 83.279         | 4.573        | 0.136                | 0.224                    | 0.488              | 0                      | 0.064        |
| May-20                        | 85.017         | 4.410        | 0.137                | 0.212                    | 0.576              | 0                      | 0.061        |
| Jun-20                        | 82.783         | 4.216        | 0.116                | 0.086                    | 0.621              | 0                      | 0.067        |
| <b>1<sup>st</sup> Quarter</b> | <b>82.783</b>  | <b>4.216</b> | <b>0.116</b>         | <b>0.086</b>             | <b>0.621</b>       | <b>0.000</b>           | <b>0.067</b> |
| Jul-20                        | 76.871         | 4.160        | 0.125                | 0.186                    | 0.671              | 0                      | 0.064        |
| Aug-20                        | 69.576         | 4.288        | 0.108                | 0.105                    | 0.640              | 0                      | 0.063        |
| Sep-20                        | 63.056         | 4.304        | 0.114                | 0.156                    | 0.631              | 0                      | 0.062        |
| <b>2<sup>nd</sup> Quarter</b> | <b>63.056</b>  | <b>4.304</b> | <b>0.114</b>         | <b>0.156</b>             | <b>0.631</b>       | <b>0.000</b>           | <b>0.062</b> |
| Oct-20                        | 58.308         | 4.155        | 0.132                | 0.131                    | 0.662              | 0                      | 0.063        |
| Nov-20                        | 58.798         | 4.035        | 0.178                | 0.045                    | 0.690              | 0                      | 0.060        |
| Dec-20                        | 65.685         | 4.024        | 0.200                | 0.063                    | 0.816              | 0                      | 0.062        |
| <b>3<sup>rd</sup> Quarter</b> | <b>65.685</b>  | <b>4.024</b> | <b>0.200</b>         | <b>0.063</b>             | <b>0.816</b>       | <b>0.000</b>           | <b>0.062</b> |
| Jan-21                        | 73.832         | 4.086        | 0.208                | 0.408                    | 0.898              | 0                      | 0.062        |
| Feb-21                        | 85.686         | 4.150        | 0.202                | 0.511                    | 0.931              | 0                      | 0.061        |
| Mar-21                        | 109.060        | 4.981        | 0.192                | 0.490                    | 0.885              | 0                      | 0.076        |
| <b>4<sup>th</sup> Quarter</b> | <b>109.060</b> | <b>4.981</b> | <b>0.192</b>         | <b>0.490</b>             | <b>0.885</b>       | <b>0.000</b>           | <b>0.076</b> |
| <b>Total</b>                  | <b>109.060</b> | <b>4.981</b> | <b>0.192</b>         | <b>0.490</b>             | <b>0.885</b>       | <b>0.000</b>           | <b>0.076</b> |

Month Wise Pit-Head Closing Stock of Raw Coal in 2020-21



Month Wise Pit-Head Closing Stock of Lignite in 2020-21

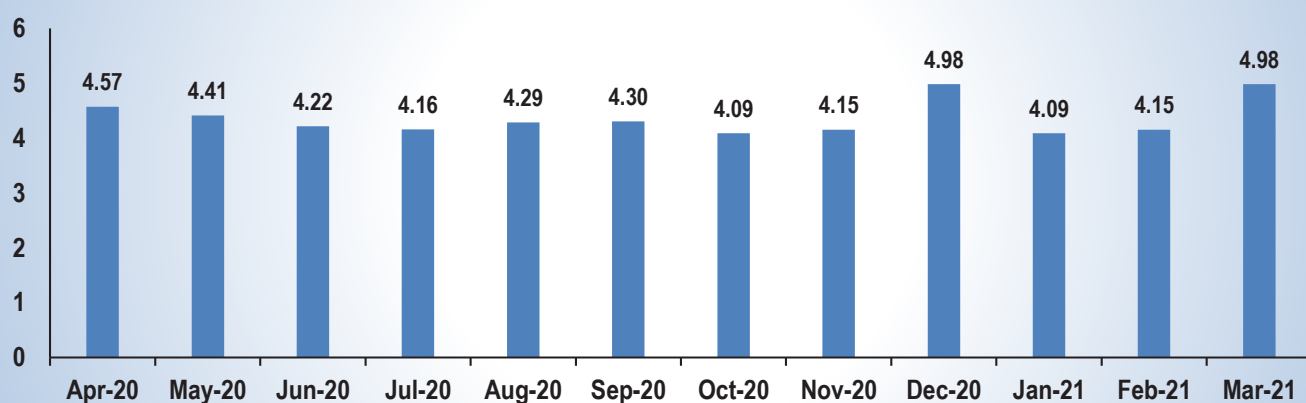


Table-5.4 : Share of Raw Coal Pit-Head Closing Stock by States in Last Ten Years

(Qty. in MT)

| Year    | Arunachal Pradesh |          |           | Assam    |          |           | Chhattisgarh |          |           |
|---------|-------------------|----------|-----------|----------|----------|-----------|--------------|----------|-----------|
|         | Quantity          | Share(%) | Growth(%) | Quantity | Share(%) | Growth(%) | Quantity     | Share(%) | Growth(%) |
| (1)     | (2)               | (3)      | (4)       | (5)      | (6)      | (7)       | (8)          | (9)      | (10)      |
| 2011-12 | 0.004             | 0.01     | -96.15    | 0.095    | 0.13     | -67.58    | 8.732        | 11.79    | -10.27    |
| 2012-13 | 0.022             | 0.03     | 450.00    | 0.082    | 0.13     | -13.68    | 5.639        | 8.94     | -35.42    |
| 2013-14 | 0                 | 0.0      | 0.0       | 0.169    | 0.30     | 106.10    | 7.186        | 12.94    | 27.43     |
| 2014-15 | 0                 |          |           | 0.215    | 0.36     | 27.22     | 11.576       | 19.49    | 61.09     |
| 2015-16 | 0                 |          |           | 0.359    | 0.55     | 66.98     | 9.444        | 14.45    | -18.42    |
| 2016-17 | 0                 |          |           | 0.183    | 0.24     | -49.03    | 12.147       | 15.80    | 28.62     |
| 2017-18 | 0                 |          |           | 0.069    | 0.11     | -62.30    | 7.359        | 11.86    | -39.42    |
| 2018-19 | 0                 |          |           | 0.100    | 0.17     | 44.93     | 8.424        | 14.61    | 14.47     |
| 2019-20 | 0                 |          |           | 0.054    | 0.07     | -46.00    | 18.264       | 22.43    | 116.81    |
| 2020-21 | 0                 |          |           | 0.000    | 0.00     | -100.00   | 29.723       | 27.25    | 62.74     |

| Year    | Jammu & Kashmir |          |           | Jharkhand |          |           | Madhya Pradesh |          |           |
|---------|-----------------|----------|-----------|-----------|----------|-----------|----------------|----------|-----------|
|         | Quantity        | Share(%) | Growth(%) | Quantity  | Share(%) | Growth(%) | Quantity       | Share(%) | Growth(%) |
| (11)    | (12)            | (13)     | (14)      | (15)      | (16)     | (17)      | (18)           | (19)     | (20)      |
| 2011-12 | 0.003           | 0.00     | -25.00    | 24.684    | 33.34    | -9.01     | 6.265          | 8.46     | 42.68     |
| 2012-13 | 0.005           | 0.01     | 66.67     | 17.796    | 28.23    | -27.90    | 7.318          | 11.61    | 16.81     |
| 2013-14 | 0.013           | 0.02     | 160.00    | 13.987    | 25.20    | -21.40    | 5.756          | 10.37    | -21.34    |
| 2014-15 | 0.013           | 0.02     | 0.00      | 15.544    | 26.17    | 11.13     | 4.111          | 6.92     | -28.58    |
| 2015-16 | 0.013           | 0.02     | 0.00      | 18.355    | 28.08    | 18.08     | 6.854          | 10.49    | 66.72     |
| 2016-17 | 0.012           | 0.02     | -7.69     | 24.002    | 31.22    | 30.77     | 8.609          | 11.20    | 25.61     |
| 2017-18 | 0.005           | 0.01     | -58.33    | 20.645    | 33.28    | -13.99    | 2.846          | 4.59     | -66.94    |
| 2018-19 | 0.003           | 0.01     | -40.00    | 19.286    | 33.46    | -6.58     | 4.187          | 7.26     | 47.12     |
| 2019-20 | 0.007           | 0.01     | 133.33    | 17.959    | 22.05    | -6.88     | 4.078          | 5.01     | -2.60     |
| 2020-21 | 0.009           | 0.01     | 28.57     | 19.320    | 17.72    | 7.58      | 6.796          | 6.23     | 66.65     |

| Year    | Maharashtra |          |           | Odisha   |          |           | Telangana |          |           |
|---------|-------------|----------|-----------|----------|----------|-----------|-----------|----------|-----------|
|         | Quantity    | Share(%) | Growth(%) | Quantity | Share(%) | Growth(%) | Quantity  | Share(%) | Growth(%) |
| (21)    | (22)        | (23)     | (24)      | (25)     | (26)     | (27)      | (28)      | (29)     | (30)      |
| 2011-12 | 4.841       | 6.54     | 27.63     | 22.261   | 30.07    | 3.01      | 3.038     | 4.10     | 25.90     |
| 2012-13 | 5.656       | 8.97     | 16.84     | 18.175   | 28.83    | -18.35    | 3.020     | 4.79     | -0.59     |
| 2013-14 | 5.670       | 10.21    | 0.25      | 14.293   | 25.75    | -21.36    | 5.548     | 9.99     | 83.71     |
| 2014-15 | 5.370       | 9.04     | -5.29     | 12.538   | 21.11    | -12.28    | 5.348     | 9.01     | -3.60     |
| 2015-16 | 7.170       | 10.97    | 33.52     | 10.330   | 15.80    | -17.61    | 7.025     | 10.75    | 31.36     |
| 2016-17 | 12.771      | 16.61    | 78.12     | 6.393    | 8.31     | -38.11    | 7.481     | 9.73     | 6.49      |
| 2017-18 | 10.917      | 17.60    | -14.52    | 11.178   | 18.02    | 74.85     | 4.921     | 7.93     | -34.22    |
| 2018-19 | 8.939       | 15.51    | -18.12    | 12.906   | 22.39    | 15.46     | 1.611     | 2.79     | -67.26    |
| 2019-20 | 13.673      | 16.79    | 52.96     | 20.999   | 25.79    | 62.71     | 3.192     | 3.92     | 98.14     |
| 2020-21 | 14.533      | 13.33    | 6.29      | 24.922   | 22.85    | 18.68     | 5.247     | 4.81     | 64.38     |

Contd.....

Table-5.4 : Share of Raw Coal Pit-Head Closing Stock by States in Last Ten Years

(Qty. in MT)

| Year    | Uttar Pradesh |          |           | West Bengal |          |           | All India |            |
|---------|---------------|----------|-----------|-------------|----------|-----------|-----------|------------|
|         | Quantity      | Share(%) | Growth(%) | Quantity    | Share(%) | Growth(%) | Quantity  | Growth (%) |
| (31)    | (32)          | (33)     | (34)      | (35)        | (36)     | (37)      | (38)      | (39)       |
| 2011-12 | 1.509         | 2.04     | 89.10     | 2.608       | 3.52     | 35.41     | 74.040    | 2.56       |
| 2011-13 | 3.224         | 5.11     | 113.65    | 2.112       | 3.35     | -19.02    | 63.049    | -14.84     |
| 2013-14 | 1.274         | 2.29     | -60.48    | 1.618       | 2.91     | -23.39    | 55.514    | -11.95     |
| 2014-15 | 2.484         | 4.18     | 94.98     | 2.190       | 3.69     | 35.35     | 59.389    | 6.98       |
| 2015-16 | 3.570         | 5.46     | 43.72     | 2.241       | 3.43     | 2.33      | 65.361    | 10.06      |
| 2016-17 | 2.684         | 3.49     | -24.82    | 2.607       | 3.39     | 16.33     | 76.889    | 17.64      |
| 2017-18 | 2.389         | 3.85     | -10.99    | 1.707       | 2.75     | -34.52    | 62.036    | -19.32     |
| 2018-19 | 0.759         | 1.32     | -68.23    | 1.425       | 2.47     | -16.52    | 57.640    | -7.09      |
| 2019-20 | 1.388         | 1.70     | 82.87     | 1.818       | 2.23     | 27.58     | 81.432    | 41.28      |
| 2020-21 | 5.163         | 4.73     | 271.97    | 3.347       | 3.07     | 84.10     | 109.060   | 33.93      |

State Wise Share of Pit-Head Closing Stock of Raw Coal during 2020-21

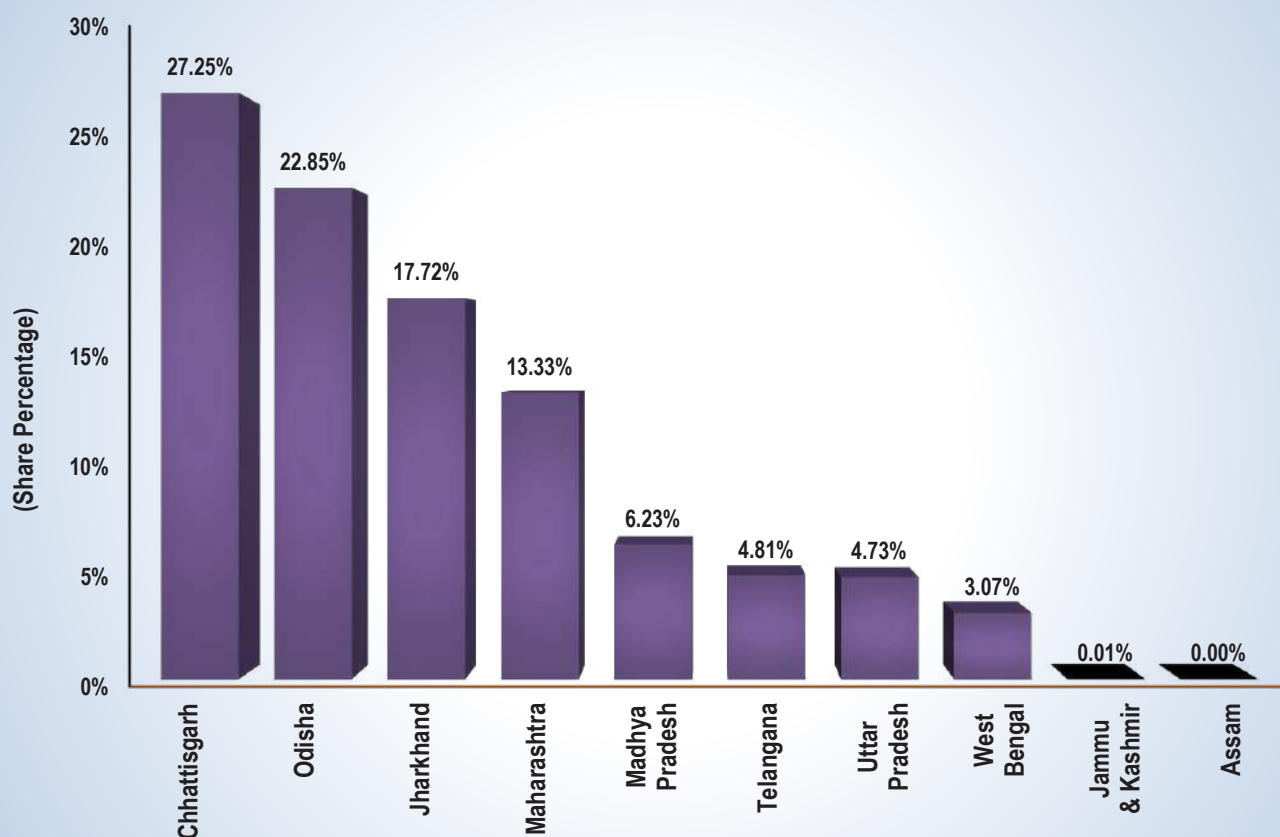


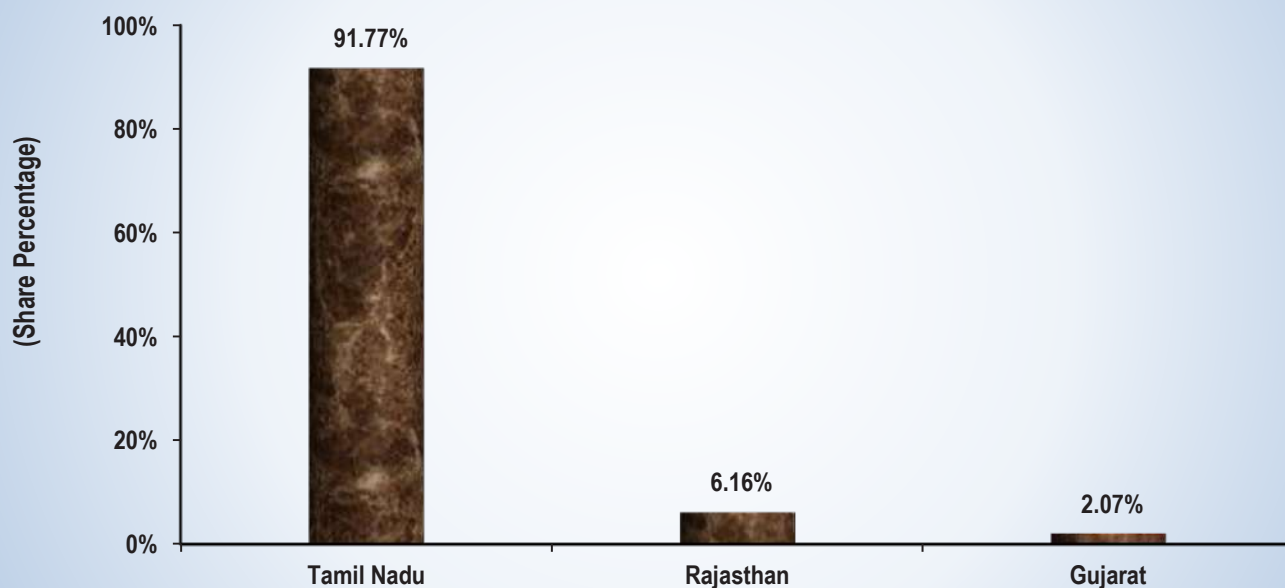
Table-5.5 : Share of Lignite of Pit-Head Closing Stock by States in Last Ten Years

(Qty. in MT)

| Year    | Tamil Nadu |          |           | Gujarat  |          |           | Rajasthan |          |           |
|---------|------------|----------|-----------|----------|----------|-----------|-----------|----------|-----------|
|         | Quantity   | Share(%) | Growth(%) | Quantity | Share(%) | Growth(%) | Quantity  | Share(%) | Growth(%) |
| (1)     | (2)        | (3)      | (4)       | (5)      | (6)      | (7)       | (8)       | (9)      | (10)      |
| 2011-12 | 0.589      | 56.04    | 25.05     | 0.462    | 43.96    | 232.37    |           |          |           |
| 2012-13 | 1.121      | 75.08    | 90.32     | 0.320    | 21.43    | -30.74    | 0.052     | 3.48     | 0.00      |
| 2013-14 | 1.739      | 93.49    | 55.13     | 0.069    | 3.71     | -78.44    | 0.052     | 2.80     | 0.00      |
| 2014-15 | 2.842      | 73.29    | 63.43     | 0.023    | 0.59     | -66.67    | 1.013     | 26.12    | 1848.08   |
| 2015-16 | 4.573      | 95.09    | 60.91     | 0.011    | 0.23     | -52.17    | 0.225     | 4.68     | -77.79    |
| 2016-17 | 6.612      | 96.06    | 44.59     | 0.012    | 0.17     | 9.09      | 0.259     | 3.76     | 15.11     |
| 2017-18 | 6.784      | 94.09    | 2.60      | 0.014    | 0.19     | 16.67     | 0.412     | 5.71     | 59.07     |
| 2018-19 | 5.319      | 93.78    | -21.59    | 0.025    | 0.44     | 78.57     | 0.328     | 5.78     | -20.39    |
| 2019-20 | 5.059      | 92.07    | -4.89     | 0.028    | 0.51     | 12.00     | 0.408     | 7.42     | 24.39     |
| 2020-21 | 4.571      | 91.77    | -9.65     | 0.103    | 2.07     | 267.86    | 0.307     | 6.16     | -24.75    |

| Year    | All India |            |
|---------|-----------|------------|
|         | Quantity  | Growth (%) |
| (11)    | (12)      | (13)       |
| 2011-12 | 1.051     | 72.30      |
| 2012-13 | 1.493     | 42.06      |
| 2013-14 | 1.860     | 24.58      |
| 2014-15 | 3.878     | 108.49     |
| 2015-16 | 4.809     | 24.01      |
| 2016-17 | 6.883     | 43.13      |
| 2017-18 | 7.210     | 4.75       |
| 2018-19 | 5.672     | -21.33     |
| 2019-20 | 5.495     | -3.12      |
| 2020-21 | 4.981     | -9.35      |

State Wise Share of Pit-Head Closing Stock of Lignite during 2020-21



**Table-5.6 : Trend of Pit-Head Closing Stock of Raw Coal and Lignite by Companies in Last Three Years****(Qty. in MT)**

| Company                   | 2018-19       |                | 2019-20       |                | 2020-21        |                |
|---------------------------|---------------|----------------|---------------|----------------|----------------|----------------|
|                           | Quantity      | % of All India | Quantity      | % of All India | Quantity       | % of All India |
| (1)                       | (2)           | (3)            | (4)           | (5)            | (6)            | (7)            |
| <b>COAL :</b>             |               |                |               |                |                |                |
| ECL                       | 2.249         | 3.90           | 3.336         | 4.10           | 6.302          | 5.78           |
| BCCL                      | 3.416         | 5.93           | 2.314         | 2.84           | 3.800          | 3.48           |
| CCL                       | 13.745        | 23.85          | 13.302        | 16.34          | 10.491         | 9.62           |
| NCL                       | 3.370         | 5.85           | 3.999         | 4.91           | 10.396         | 9.53           |
| WCL                       | 9.240         | 16.03          | 14.296        | 17.56          | 14.879         | 13.64          |
| SECL                      | 8.819         | 15.30          | 17.718        | 21.76          | 29.585         | 27.13          |
| SECL(GP-IV/2&3)           | 0.387         | 0.67           | 0.157         | 0.19           | 0.118          | 0.11           |
| SECL(GP-IV/1)             | 0.059         | 0.10           | 0.000         | 0.00           | 0.000          | 0.00           |
| MCL                       | 12.906        | 22.39          | 19.879        | 24.41          | 23.568         | 21.61          |
| NEC                       | 0.100         | 0.17           | 0.054         | 0.07           | 0.000          | 0.00           |
| <b>CIL</b>                | <b>54.291</b> | <b>94.19</b>   | <b>75.055</b> | <b>92.17</b>   | <b>99.139</b>  | <b>90.90</b>   |
| SCCL                      | 1.609         | 2.79           | 3.188         | 3.91           | 5.239          | 4.80           |
| JKML                      | 0.003         | 0.01           | 0.007         | 0.01           | 0.009          | 0.01           |
| JSMDCL                    | 0.000         | 0.00           | 0.004         | 0.00           | 0.015          | 0.01           |
| DVC                       | 0.060         | 0.10           | 0.060         | 0.07           | 0.060          | 0.06           |
| IISCO                     | 0.004         | 0.01           | 0.004         | 0.00           | 0.003          | 0.00           |
| SAIL                      | 0.185         | 0.32           | 0.000         | 0.00           | 0.000          | 0.00           |
| RRVUNL                    | 0.000         | 0.00           | 0.000         | 0.00           | 0.000          | 0.00           |
| NTPC                      | 0.561         | 0.97           | 1.016         | 1.25           | 1.083          | 0.99           |
| WBPDCCL                   | 0.063         | 0.11           | 0.250         | 0.31           | 0.873          | 0.80           |
| CSPGCL                    |               |                | 0.492         | 0.60           | 0.334          | 0.31           |
| TSPGCL                    | 0.002         | 0.00           | 0.004         | 0.00           | 0.008          | 0.01           |
| OCPL                      |               |                | 0.488         | 0.60           | 0.685          | 0.63           |
| DPL                       |               |                |               |                | 0.043          | 0.04           |
| NLCIL                     |               |                |               |                | 0.313          | 0.29           |
| <b>Public</b>             | <b>56.778</b> | <b>98.50</b>   | <b>80.568</b> | <b>98.94</b>   | <b>107.804</b> | <b>98.52</b>   |
| TSL                       | 0.009         | 0.02           | 0.012         | 0.01           | 0.016          | 0.01           |
| HIL                       | 0.319         | 0.55           | 0.141         | 0.17           | 0.131          | 0.12           |
| SIL                       | 0.017         | 0.03           | 0.063         | 0.08           | 0.031          | 0.03           |
| SPL                       | 0.264         | 0.46           | 0.181         | 0.22           | 0.683          | 0.63           |
| GMR                       | 0.000         | 0.00           | 0.000         | 0.00           | 0.000          | 0.00           |
| BALCO                     | 0.103         | 0.18           | 0.230         | 0.28           | 0.001          | 0.00           |
| CESC                      | 0.148         | 0.26           | 0.219         | 0.27           | 0.334          | 0.31           |
| JPVL                      | 0.001         | 0.00           | 0.001         | 0.00           | 0.000          | 0.00           |
| RCCPL                     | 0.001         | 0.00           | 0.001         | 0.00           | 0.000          | 0.00           |
| TUML                      | 0.000         | 0.00           | 0.002         | 0.00           | 0.001          | 0.00           |
| OCL                       | 0.000         | 0.00           | 0.000         | 0.00           | 0.000          | 0.00           |
| AMBUJA                    | 0.000         | 0.00           | 0.014         | 0.02           | 0.059          | 0.05           |
| <b>Private</b>            | <b>0.862</b>  | <b>1.50</b>    | <b>0.864</b>  | <b>1.06</b>    | <b>1.256</b>   | <b>1.15</b>    |
| <b>All India</b>          | <b>57.640</b> | <b>100.00</b>  | <b>81.432</b> | <b>100.00</b>  | <b>109.060</b> | <b>100.00</b>  |
| <b>LIGNITE :</b>          |               |                |               |                |                |                |
| NLCL                      | 5.319         | 93.78          | 5.059         | 92.07          | 4.571          | 91.77          |
| GMDCL                     | 0.000         | 0.00           | 0.000         | 0.00           | 0.000          | 0.00           |
| GIPCL                     | 0.000         | 0.00           | 0.000         | 0.00           | 0.000          | 0.00           |
| GHCL                      | 0.025         | 0.44           | 0.028         | 0.51           | 0.014          | 0.28           |
| RSMMML                    | 0.000         | 0.00           | 0.000         | 0.00           | 0.000          | 0.00           |
| VSLPPL                    | 0.050         | 0.88           | 0.020         | 0.36           | 0.064          | 1.28           |
| BLMCL                     | 0.278         | 4.90           | 0.388         | 7.06           | 0.243          | 4.88           |
| GPCL                      |               |                |               |                | 0.089          | 1.79           |
| <b>All India</b>          | <b>5.672</b>  | <b>100.00</b>  | <b>5.495</b>  | <b>100.00</b>  | <b>4.981</b>   | <b>100.00</b>  |
| <b>Coal &amp; Lignite</b> | <b>63.312</b> |                | <b>86.927</b> |                | <b>114.041</b> |                |

**Table-5.7 : State Wise & Company Wise Pit-Head Closing Stock of Raw Coal by Type in Last Three Years****(Qty. in MT)**

| State                      | Company         | 2018-2019    |               |               | 2019-2020    |               |               | 2020-2021    |                |                |
|----------------------------|-----------------|--------------|---------------|---------------|--------------|---------------|---------------|--------------|----------------|----------------|
|                            |                 | Coking       | N-Coking      | Total         | Coking       | N-Coking      | Total         | Coking       | N-Coking       | Total          |
| (1)                        | (2)             | (3)          | (4)           | (5)           | (6)          | (7)           | (8)           | (9)          | (10)           | (11)           |
| <b>Arunachal Pradesh</b>   | <b>APMDTCL</b>  |              |               | <b>0.000</b>  |              |               | <b>0.000</b>  |              |                | <b>0.000</b>   |
| <b>Assam</b>               | <b>NEC</b>      |              | <b>0.100</b>  | <b>0.100</b>  |              | <b>0.054</b>  | <b>0.054</b>  |              | <b>0.000</b>   | <b>0.000</b>   |
| Chhattisgarh               | SECL            | 0.009        | 7.818         | <b>7.827</b>  | 0.087        | 17.035        | <b>17.122</b> | 0.019        | 29.064         | <b>29.083</b>  |
| Chhattisgarh               | SECL(GP-IV/2&3) |              | 0.387         | <b>0.387</b>  |              | 0.157         | <b>0.157</b>  |              | 0.118          | <b>0.118</b>   |
| Chhattisgarh               | SECL(GP-IV/1)   |              | 0.059         | <b>0.059</b>  |              | 0.000         | <b>0.000</b>  |              | 0.000          | <b>0.000</b>   |
| Chhattisgarh               | RRVUNL          |              | 0.000         | <b>0.000</b>  |              | 0.000         | <b>0.000</b>  |              | 0.000          | <b>0.000</b>   |
| Chhattisgarh               | NTPC            |              |               | <b>0.000</b>  |              | 0.190         | <b>0.190</b>  |              | 0.101          | <b>0.101</b>   |
| Chhattisgarh               | CSPGCL          |              |               | <b>0.000</b>  |              | 0.492         | <b>0.492</b>  |              | 0.334          | <b>0.334</b>   |
| Chhattisgarh               | HIL             |              | 0.048         | <b>0.048</b>  |              | 0.059         | <b>0.059</b>  |              | 0.027          | <b>0.027</b>   |
| Chhattisgarh               | BALCO           |              | 0.103         | <b>0.103</b>  |              | 0.230         | <b>0.230</b>  |              | 0.001          | <b>0.001</b>   |
| Chhattisgarh               | AMBUJA          |              | 0.000         | <b>0.000</b>  |              | 0.014         | <b>0.014</b>  |              | 0.059          | <b>0.059</b>   |
| <b>Chhattisgarh</b>        | <b>TOTAL</b>    | <b>0.009</b> | <b>8.415</b>  | <b>8.424</b>  | <b>0.087</b> | <b>18.177</b> | <b>18.264</b> | <b>0.019</b> | <b>29.704</b>  | <b>29.723</b>  |
| <b>Jammu &amp; Kashmir</b> | <b>JKML</b>     |              | <b>0.003</b>  | <b>0.003</b>  |              | <b>0.007</b>  | <b>0.007</b>  |              | <b>0.009</b>   | <b>0.009</b>   |
| Jharkhand                  | ECL             | 0.009        | 1.404         | <b>1.413</b>  | 0.008        | 2.060         | <b>2.068</b>  | 0.005        | 4.245          | <b>4.250</b>   |
| Jharkhand                  | BCCL            | 2.135        | 0.907         | <b>3.042</b>  | 2.197        | 0.040         | <b>2.237</b>  | 3.468        | 0.268          | <b>3.736</b>   |
| Jharkhand                  | CCL             | 1.575        | 12.170        | <b>13.745</b> | 4.052        | 9.250         | <b>13.302</b> | 3.658        | 6.833          | <b>10.491</b>  |
| Jharkhand                  | JSMDCL          |              |               | <b>0.000</b>  |              | 0.004         | <b>0.004</b>  |              | 0.015          | <b>0.015</b>   |
| Jharkhand                  | DVC             | 0.060        |               | <b>0.060</b>  | 0.060        |               | <b>0.060</b>  | 0.060        |                | <b>0.060</b>   |
| Jharkhand                  | IISCO           |              |               | <b>0.000</b>  |              |               | <b>0.000</b>  |              |                | <b>0.000</b>   |
| Jharkhand                  | SAIL            | 0.185        |               | <b>0.185</b>  | 0.000        |               | <b>0.000</b>  | 0.000        |                | <b>0.000</b>   |
| Jharkhand                  | NTPC            |              | 0.561         | <b>0.561</b>  |              | 0.194         | <b>0.194</b>  |              | 0.626          | <b>0.626</b>   |
| Jharkhand                  | WBPDCCL         |              |               |               |              |               |               |              | 0.022          | <b>0.022</b>   |
| Jharkhand                  | TSL             | 0.009        |               | <b>0.009</b>  | 0.012        |               | <b>0.012</b>  | 0.016        |                | <b>0.016</b>   |
| Jharkhand                  | HIL             |              | 0.271         | <b>0.271</b>  |              | 0.082         | <b>0.082</b>  |              | 0.104          | <b>0.104</b>   |
| <b>Jharkhand</b>           | <b>TOTAL</b>    | <b>3.973</b> | <b>15.313</b> | <b>19.286</b> | <b>6.329</b> | <b>11.630</b> | <b>17.959</b> | <b>7.207</b> | <b>12.113</b>  | <b>19.320</b>  |
| Madhya Pradesh             | NCL             |              | 2.611         | <b>2.611</b>  |              | 2.611         | <b>2.611</b>  |              | 5.233          | <b>5.233</b>   |
| Madhya Pradesh             | WCL             | 0.002        | 0.316         | <b>0.318</b>  | 0.003        | 0.685         | <b>0.688</b>  | 0.001        | 0.377          | <b>0.378</b>   |
| Madhya Pradesh             | SECL            |              | 0.992         | <b>0.992</b>  |              | 0.596         | <b>0.596</b>  |              | 0.502          | <b>0.502</b>   |
| Madhya Pradesh             | SPL             |              | 0.264         | <b>0.264</b>  |              | 0.181         | <b>0.181</b>  |              | 0.683          | <b>0.683</b>   |
| Madhya Pradesh             | JPVL            |              | 0.001         | <b>0.001</b>  |              | 0.001         | <b>0.001</b>  |              | 0.000          | <b>0.000</b>   |
| Madhya Pradesh             | RCCPL           |              | 0.001         | <b>0.001</b>  |              | 0.001         | <b>0.001</b>  |              | 0.000          | <b>0.000</b>   |
| <b>Madhya Pradesh</b>      | <b>TOTAL</b>    | <b>0.002</b> | <b>4.185</b>  | <b>4.187</b>  | <b>0.003</b> | <b>4.075</b>  | <b>4.078</b>  | <b>0.001</b> | <b>6.795</b>   | <b>6.796</b>   |
| Maharashtra                | WCL             |              | 8.922         | <b>8.922</b>  |              | 13.608        | <b>13.608</b> |              | 14.501         | <b>14.501</b>  |
| Maharashtra                | SIL             |              | 0.017         | <b>0.017</b>  |              | 0.063         | <b>0.063</b>  |              | 0.031          | <b>0.031</b>   |
| Maharashtra                | TUML            |              | 0.000         | <b>0.000</b>  |              | 0.002         | <b>0.002</b>  |              | 0.001          | <b>0.001</b>   |
| <b>Maharashtra</b>         | <b>TOTAL</b>    | <b>0.000</b> | <b>8.939</b>  | <b>8.939</b>  | <b>0.000</b> | <b>13.673</b> | <b>13.673</b> | <b>0.000</b> | <b>14.533</b>  | <b>14.533</b>  |
| <b>Meghalaya</b>           | <b>PRIVATE</b>  |              |               | <b>0.000</b>  |              |               | <b>0.000</b>  |              |                | <b>0.000</b>   |
| Odisha                     | MCL             |              | 12.906        | <b>12.906</b> |              | 19.879        | <b>19.879</b> |              | 23.568         | <b>23.568</b>  |
| Odisha                     | OCPL            |              |               | <b>0.000</b>  |              | 0.488         | <b>0.488</b>  |              | 0.685          | <b>0.685</b>   |
| Odisha                     | NTPC            |              |               | <b>0.000</b>  |              | 0.632         | <b>0.632</b>  |              | 0.356          | <b>0.356</b>   |
| Odisha                     | GMR             |              | 0.000         | <b>0.000</b>  |              | 0.000         | <b>0.000</b>  |              | 0.000          | <b>0.000</b>   |
| Odisha                     | NLCIL           |              | 0.000         | <b>0.000</b>  |              | 0.000         | <b>0.000</b>  |              | 0.313          | <b>0.313</b>   |
| Odisha                     | OCL             |              | 0.000         | <b>0.000</b>  |              | 0.000         | <b>0.000</b>  |              | 0.000          | <b>0.000</b>   |
| <b>Odisha</b>              | <b>TOTAL</b>    | <b>0.000</b> | <b>12.906</b> | <b>12.906</b> | <b>0.000</b> | <b>20.999</b> | <b>20.999</b> | <b>0.000</b> | <b>24.922</b>  | <b>24.922</b>  |
| Telangana                  | SCCL            |              | 1.609         | <b>1.609</b>  |              | 3.188         | <b>3.188</b>  |              | 5.239          | <b>5.239</b>   |
| Telangana                  | TSPGCL          |              | 0.002         | <b>0.002</b>  |              | 0.004         | <b>0.004</b>  |              | 0.008          | <b>0.008</b>   |
| <b>Telangana</b>           | <b>TOTAL</b>    | <b>0.000</b> | <b>1.611</b>  | <b>1.611</b>  | <b>0.000</b> | <b>3.192</b>  | <b>3.192</b>  | <b>0.000</b> | <b>5.247</b>   | <b>5.247</b>   |
| <b>Uttar Pradesh</b>       | <b>NCL</b>      |              | <b>0.759</b>  | <b>0.759</b>  |              | <b>1.388</b>  | <b>1.388</b>  |              | <b>5.163</b>   | <b>5.163</b>   |
| West Bengal                | ECL             | 0.001        | 0.835         | <b>0.836</b>  | 0.002        | 1.266         | <b>1.268</b>  | 0.001        | 2.051          | <b>2.052</b>   |
| West Bengal                | BCCL            | 0.150        | 0.224         | <b>0.374</b>  | 0.001        | 0.076         | <b>0.077</b>  | 0.000        | 0.064          | <b>0.064</b>   |
| West Bengal                | IISCO           |              | 0.004         | <b>0.004</b>  |              | 0.004         | <b>0.004</b>  |              | 0.003          | <b>0.003</b>   |
| West Bengal                | WBPDCCL         |              | 0.063         | <b>0.063</b>  |              | 0.250         | <b>0.250</b>  |              | 0.851          | <b>0.851</b>   |
| West Bengal                | DPL             |              |               |               |              |               |               |              | 0.043          | <b>0.043</b>   |
| West Bengal                | CESC            |              | 0.148         | <b>0.148</b>  |              | 0.219         | <b>0.219</b>  |              | 0.334          | <b>0.334</b>   |
| <b>West Bengal</b>         | <b>TOTAL</b>    | <b>0.151</b> | <b>1.274</b>  | <b>1.425</b>  | <b>0.003</b> | <b>1.815</b>  | <b>1.818</b>  | <b>0.001</b> | <b>3.346</b>   | <b>3.347</b>   |
| <b>Total Public</b>        |                 | <b>4.126</b> | <b>52.091</b> | <b>56.217</b> | <b>6.410</b> | <b>73.964</b> | <b>80.374</b> | <b>7.212</b> | <b>100.592</b> | <b>107.804</b> |
| <b>Total Private</b>       |                 | <b>0.009</b> | <b>0.853</b>  | <b>0.862</b>  | <b>0.012</b> | <b>0.852</b>  | <b>0.864</b>  | <b>0.016</b> | <b>1.240</b>   | <b>1.256</b>   |
| <b>All India</b>           |                 | <b>4.135</b> | <b>52.944</b> | <b>57.079</b> | <b>6.422</b> | <b>74.816</b> | <b>81.238</b> | <b>7.228</b> | <b>101.832</b> | <b>109.060</b> |

Table 5.8: Captive Block Wise Closing Stock of Raw Coal during Last Three Years

(Qty. in MT)

| Block                      | Company | State          | 2018-19      |                 |              | 2019-20      |                 |              | 2020-21      |                 |              |
|----------------------------|---------|----------------|--------------|-----------------|--------------|--------------|-----------------|--------------|--------------|-----------------|--------------|
|                            |         |                | Coking Coal  | Non Coking Coal | Total Coal   | Coking Coal  | Non Coking Coal | Total Coal   | Coking Coal  | Non Coking Coal | Total Coal   |
| (1)                        | (2)     | (3)            | (4)          | (5)             | (6)          | (7)          | (8)             | (9)          | (10)         | (11)            | (12)         |
| Gare Palma IV/2 & 3        | SECL    | Chhattisgarh   |              | 0.387           | <b>0.387</b> |              | 0.157           | <b>0.157</b> |              | 0.118           | <b>0.118</b> |
| Gare Palma IV/1            | SECL    | Chhattisgarh   |              | 0.059           | <b>0.059</b> |              | 0.000           | <b>0.000</b> |              | 0.000           | <b>0.000</b> |
| Parsa East & Kanta Basan   | RRUVNL  | Chhattisgarh   |              | 0.000           | <b>0.000</b> |              | 0.000           | <b>0.000</b> |              | 0.000           | <b>0.000</b> |
| Pakri Barwadih             | NTPC    | Jharkhand      |              | 0.561           | <b>0.561</b> |              | 0.194           | <b>0.194</b> |              | 0.626           | <b>0.626</b> |
| Tasra                      | SAIL    | Jharkhand      |              | 0.185           | <b>0.185</b> |              | 0.000           | <b>0.000</b> |              | 0.000           | <b>0.000</b> |
| Barjora                    | WBPDCCL | West Bengal    |              | 0.063           | <b>0.063</b> |              | 0.000           | <b>0.000</b> |              | 0.103           | <b>0.103</b> |
| Tadicherla                 | TSPGCL  | Telangana      |              | 0.002           | <b>0.002</b> |              | 0.004           | <b>0.004</b> |              | 0.008           | <b>0.008</b> |
| Manoharpur                 | OCPL    | Odisha         |              | 0.002           | <b>0.002</b> |              | 0.488           | <b>0.488</b> |              | 0.685           | <b>0.685</b> |
| Dulanga                    | NTPC    | Odisha         |              |                 | <b>0.000</b> |              | 0.632           | <b>0.632</b> |              | 0.356           | <b>0.356</b> |
| Tallipalli                 | NTPC    | Chhattisgarh   |              |                 | <b>0.000</b> |              | 0.190           | <b>0.190</b> |              | 0.101           | <b>0.101</b> |
| Talabira II & III          | NLCL    | Odisha         |              |                 | <b>0.000</b> |              |                 | <b>0.000</b> |              | 0.313           | <b>0.313</b> |
| Barjora North              | WBPDCCL | West Bengal    |              |                 | <b>0.000</b> |              |                 | <b>0.000</b> |              | 0.218           | <b>0.218</b> |
| Pachhwara North            | WBPDCCL | Jharkhand      |              |                 | <b>0.000</b> |              |                 | <b>0.000</b> |              | 0.022           | <b>0.022</b> |
| Gangaramchak Bhadulia      | WBPDCCL | West Bengal    |              |                 | <b>0.000</b> |              |                 | <b>0.000</b> |              | 0.530           | <b>0.530</b> |
| Trans Damodar              | DPL     | West Bengal    |              |                 | <b>0.000</b> |              |                 | <b>0.000</b> |              | 0.043           | <b>0.043</b> |
| GP/S-III                   | CSPGCL  | Chhattisgarh   |              |                 | <b>0.000</b> |              | 0.492           | <b>0.492</b> |              | 0.334           | <b>0.334</b> |
| <b>Total Public</b>        |         |                | <b>0.000</b> | <b>1.259</b>    | <b>1.259</b> | <b>0.000</b> | <b>2.157</b>    | <b>2.157</b> | <b>0.000</b> | <b>3.457</b>    | <b>3.457</b> |
| Chotia II                  | BALCO   | Chhattisgarh   |              | 0.103           | <b>0.103</b> |              | 0.230           | <b>0.230</b> |              | 0.001           | <b>0.001</b> |
| Sarshatali                 | CESC    | West Bengal    |              | 0.148           | <b>0.148</b> |              | 0.219           | <b>0.219</b> |              | 0.334           | <b>0.334</b> |
| Talabira I                 | GMR     | Odisha         |              | 0.000           | <b>0.000</b> |              | 0.000           | <b>0.000</b> |              | 0.000           | <b>0.000</b> |
| Gare Palma IV/4            | HIL     | Chhattisgarh   |              | 0.039           | <b>0.039</b> |              | 0.058           | <b>0.058</b> |              | 0.027           | <b>0.027</b> |
| Gare Palma IV/5            | HIL     | Chhattisgarh   |              | 0.009           | <b>0.009</b> |              | 0.001           | <b>0.001</b> |              | 0.000           | <b>0.000</b> |
| Kathautia                  | HIL     | Jharkhand      |              | 0.271           | <b>0.271</b> |              | 0.082           | <b>0.082</b> |              | 0.104           | <b>0.104</b> |
| Amelia North               | JPVL    | Madhya Pradesh |              | 0.001           | <b>0.001</b> |              | 0.001           | <b>0.001</b> |              | 0.000           | <b>0.000</b> |
| Sial Ghogri                | RCCPL   | Madhya Pradesh |              | 0.001           | <b>0.001</b> |              | 0.001           | <b>0.001</b> |              | 0.000           | <b>0.000</b> |
| Belgaon                    | SIL     | Maharashtra    |              | 0.017           | <b>0.017</b> |              | 0.063           | <b>0.063</b> |              | 0.031           | <b>0.031</b> |
| Moher & Moher Amlohri Extn | SPL     | Madhya Pradesh |              | 0.264           | <b>0.264</b> |              | 0.181           | <b>0.181</b> |              | 0.683           | <b>0.683</b> |
| Marki Mangli I             | TUML    | Maharashtra    |              | 0.000           | <b>0.000</b> |              | 0.002           | <b>0.002</b> |              | 0.001           | <b>0.001</b> |
| Ardhagram                  | OCL     | Odisha         |              |                 | <b>0.000</b> |              | 0.000           | <b>0.000</b> |              | 0.000           | <b>0.000</b> |
| Gare Palma IV/8            | AMBUJA  | Chhattisgarh   |              |                 | <b>0.000</b> |              | 0.014           | <b>0.014</b> |              | 0.059           | <b>0.059</b> |
| <b>Total Private</b>       |         |                | <b>0.000</b> | <b>0.853</b>    | <b>0.853</b> | <b>0.000</b> | <b>0.852</b>    | <b>0.852</b> | <b>0.000</b> | <b>1.240</b>    | <b>1.240</b> |
| <b>Grand Total</b>         |         |                | <b>0.000</b> | <b>2.112</b>    | <b>2.112</b> | <b>0.000</b> | <b>3.009</b>    | <b>3.009</b> | <b>0.000</b> | <b>4.697</b>    | <b>4.697</b> |



6

## Pit-head Value & Price



# Section VI

## Pit-head Value and Price

### 6.1 Pit-head Value

**6.1.1** Coal production in India (including lignite) in the year 2020-21 has already been discussed in Section-III. In this section an attempt has been made to discuss pit-head value of coal produced, pit-head (Run of Mine) price, etc. Statement 6.1 and 6.2 provide state wise production and value for coal and lignite for the year 2020-21.

| Statement 6.1: State Wise Production (MT) and Value (Million Rs.) of Coal during 2020-21 |                |                  |
|------------------------------------------------------------------------------------------|----------------|------------------|
| State                                                                                    | Production     | Value            |
| Assam                                                                                    | 0.036          | 117.1            |
| Chhattisgarh                                                                             | 158.410        | 187286.1         |
| Jammu & Kashmir                                                                          | 0.010          | 18.4             |
| Jharkhand                                                                                | 119.295        | 250829.6         |
| Maharashtra                                                                              | 47.435         | 88149.5          |
| Madhya Pradesh                                                                           | 132.531        | 200715.7         |
| Odisha                                                                                   | 154.151        | 122400.0         |
| Telangana                                                                                | 52.603         | 124663.3         |
| Uttar Pradesh                                                                            | 17.016         | 23955.4          |
| West Bengal                                                                              | 34.596         | 78563.6          |
| <b>All India</b>                                                                         | <b>716.083</b> | <b>1076698.8</b> |

| Statement 6.2: State Wise Production (MT) and Value (Million Rs.) of Lignite during 2020-21 |               |                |
|---------------------------------------------------------------------------------------------|---------------|----------------|
| State                                                                                       | Production    | Value          |
| Gujarat                                                                                     | 10.813        | 19216.8        |
| Tamilnadu                                                                                   | 18.026        | 36700.3        |
| Rajasthan                                                                                   | 9.056         | 15350.5        |
| <b>All India</b>                                                                            | <b>37.895</b> | <b>71267.6</b> |

**6.1.2** The total production of coal is the sum of the production categorized under different grades. A better understanding requires grade-wise production and value. However, for a general time series view, Table 6.1 provides detailed data on total production and value of coal and lignite for every state for the last five years.

**6.1.3** Table 6.2 provides data on statewide production of coal and its value categorized by sectors for captive and non-captive separately. The pit head (ROM) prices of coking coal of Coal India Limited for the last few years and 2020-21 are given in Table 6.3 and 6.4.

The pit head (ROM) prices of non-coking coal of CIL (after adoption of GCV band price since 2012) have been given in Table 6.5, 6.6, pit head (ROM) prices are given in Table 6.7 and 6.8. Prices of Singareni Collieries Company Limited are given in Table 6.9 and 6.10.

Table 6.1: State Wise Production of Coal and Lignite Vis-a-Vis Value During Last Five Years

(Qty. in MT and Value in Million Rupees)

| States           | 2016-17        |                 | 2017-18        |                 | 2018-19        |                  | 2019-20        |                  | 2020-21        |                  |
|------------------|----------------|-----------------|----------------|-----------------|----------------|------------------|----------------|------------------|----------------|------------------|
|                  | Production     | Value           | Production     | Value           | Production     | Value            | Production     | Value            | Production     | Value            |
| (1)              | (2)            | (3)             | (4)            | (5)             | (6)            | (7)              | (8)            | (9)              | (10)           | (11)             |
| <b>COAL :</b>    |                |                 |                |                 |                |                  |                |                  |                |                  |
| Assam            | 0.600          | 2231.9          | 0.781          | 4312.4          | 0.784          | 4312.4           | 0.517          | 1736.2           | 0.036          | 117.1            |
| Chhattisgarh     | 138.525        | 104427.5        | 142.546        | 114808.0        | 161.893        | 134351.9         | 157.745        | 139234.0         | 158.410        | 187286.1         |
| Jammu & Kashmir  | 0.010          | 21.3            | 0.014          | 31.1            | 0.013          | 25.8             | 0.014          | 25.8             | 0.010          | 18.4             |
| Jharkhand        | 126.435        | 200571.5        | 123.297        | 254292.4        | 134.666        | 271051.4         | 131.763        | 272123.7         | 119.295        | 250829.6         |
| Maharashtra      | 40.559         | 64267.7         | 42.219         | 70892.8         | 49.818         | 80555.6          | 54.746         | 93946.4          | 47.435         | 88149.5          |
| Meghalaya        | 2.308          | 8585.4          | 1.529          | 5687.7          |                |                  |                |                  |                |                  |
| Madhya Pradesh   | 105.013        | 148372.8        | 112.127        | 174484.1        | 118.661        | 184713.4         | 125.726        | 195145.4         | 132.531        | 200715.7         |
| Odisha           | 139.359        | 103882.9        | 143.328        | 130037.0        | 144.312        | 119110.9         | 143.016        | 146624.3         | 154.151        | 122400.0         |
| Telangana        | 61.336         | 110294.2        | 62.010         | 119131.3        | 65.160         | 174938.4         | 65.703         | 151074.6         | 52.603         | 124663.3         |
| Uttar Pradesh    | 16.056         | 19731.1         | 18.309         | 23827.2         | 20.275         | 26852.2          | 18.030         | 25063.5          | 17.016         | 23955.4          |
| West Bengal      | 27.667         | 72246.3         | 29.240         | 78220.9         | 33.136         | 105237.4         | 33.614         | 85069.8          | 34.596         | 78563.6          |
| <b>All India</b> | <b>657.868</b> | <b>834632.6</b> | <b>675.400</b> | <b>975724.7</b> | <b>728.718</b> | <b>1101149.5</b> | <b>730.874</b> | <b>1110043.7</b> | <b>716.083</b> | <b>1076698.8</b> |
| <b>LIGNITE :</b> |                |                 |                |                 |                |                  |                |                  |                |                  |
| Gujarat          | 10.546         | 13628.1         | 13.781         | 17808.6         | 12.565         | 11092.0          | 10.357         | 9142.9           | 10.813         | 19216.8          |
| Tamilnadu        | 26.204         | 51991.8         | 23.569         | 47666.8         | 23.041         | 42903.8          | 23.516         | 43788.3          | 18.026         | 36700.3          |
| Rajasthan        | 8.480          | 9815.1          | 9.294          | 13941.4         | 8.676          | 14499.2          | 8.223          | 13742.2          | 9.056          | 15350.5          |
| <b>All India</b> | <b>45.230</b>  | <b>75435.0</b>  | <b>46.644</b>  | <b>79416.7</b>  | <b>44.282</b>  | <b>68495.0</b>   | <b>42.096</b>  | <b>66673.3</b>   | <b>37.895</b>  | <b>71267.6</b>   |

**Note:** In respect of Coal Companies which either did not provide value or the value provided is not justified, the value has been estimated on the basis of Basic Price (ROM) notified by Coal India Limited.

Table 6.2 : Statewise Production of Coal and its Value - by Sector &amp; Captive / Non-Captive Units During 2020-21

(Qty. in MT and Value in Million Rupees)

| Block       | Sector  | Quantity & Value | Assam | Chhattisgarh | Jammu & Kashmir | Jharkhand | Maharashtra | Madhya Pradesh | Odisha   | Telangana | Uttar Pradesh | West Bengal | All India |
|-------------|---------|------------------|-------|--------------|-----------------|-----------|-------------|----------------|----------|-----------|---------------|-------------|-----------|
| (1)         | (2)     | (3)              | (4)   | (5)          | (6)             | (7)       | (8)         | (9)            | (10)     | (11)      | (12)          | (13)        | (14)      |
| Non Captive | Public  | Production       | 0.036 | 137.461      | 0.010           | 106.327   | 47.255      | 110.989        | 148.013  | 50.580    | 17.016        | 26.192      | 643.879   |
|             |         | Value            | 117.1 | 112080.7     | 18.4            | 233722.6  | 87816.3     | 175165.7       | 117853.4 | 119869.0  | 23955.4       | 71232.4     | 941831.1  |
|             | Private | Production       |       |              |                 | 5.853     |             |                |          |           |               |             | 5.853     |
|             |         | Value            |       |              |                 | 8904.00   |             |                |          |           |               |             | 8904.00   |
|             | Total   | Production       | 0.036 | 137.461      | 0.010           | 112.180   | 47.255      | 110.989        | 148.013  | 50.580    | 17.016        | 26.192      | 649.732   |
|             |         | Value            | 117.1 | 112080.7     | 18.4            | 242626.6  | 87816.3     | 175165.7       | 117853.4 | 119869.0  | 23955.4       | 71232.4     | 950735.1  |
| Captive     | Public  | Production       |       | 20.516       |                 | 7.069     |             |                | 6.138    | 2.023     |               | 6.325       | 42.071    |
|             |         | Value            |       | 74518.2      |                 | 8129.9    |             |                | 4546.5   | 4794.3    |               | 5304.2      | 97293.2   |
|             | Private | Production       |       | 0.433        |                 | 0.046     | 0.180       | 21.542         |          |           |               | 2.079       | 24.280    |
|             |         | Value            |       | 687.1        |                 | 73.1      | 333.2       | 25550.0        |          |           |               | 2027.0      | 28670.5   |
|             | Total   | Production       | 0.000 | 20.949       | 0.000           | 7.115     | 0.180       | 21.542         | 6.138    | 2.023     | 0.000         | 8.404       | 66.351    |
|             |         | Value            | 0.0   | 75205.4      | 0.0             | 8203.0    | 333.2       | 25550.0        | 4546.5   | 4794.3    | 0.0           | 7331.2      | 125963.6  |
| Total       | Public  | Production       | 0.036 | 157.977      | 0.010           | 113.396   | 47.255      | 110.989        | 154.151  | 52.603    | 17.016        | 32.517      | 685.950   |
|             |         | Value            | 117.1 | 186599.0     | 18.4            | 241852.5  | 87816.3     | 175165.7       | 122400.0 | 124663.3  | 23955.4       | 76536.6     | 1039124.3 |
|             | Private | Production       | 0.000 | 0.433        | 0.000           | 5.899     | 0.180       | 21.542         | 0.000    | 0.000     | 0.000         | 2.079       | 30.133    |
|             |         | Value            | 0.0   | 687.1        | 0.0             | 8977.1    | 333.2       | 25550.0        | 0.0      | 0.0       | 0.0           | 2027.0      | 37574.5   |
|             | Total   | Production       | 0.036 | 158.410      | 0.010           | 119.295   | 47.435      | 132.531        | 154.151  | 52.603    | 17.016        | 34.596      | 716.083   |
|             |         | Value            | 117.1 | 187286.1     | 18.4            | 250829.6  | 88149.5     | 200715.7       | 122400.0 | 124663.3  | 23955.4       | 78563.6     | 1076698.8 |

**Note:** In respect of Coal Companies which either did not provide value or the value provided is not justified, the value has been estimated on the basis of Basic Price (ROM) notified by Coal India Limited.

**Table 6.3 : Pit Head (Run of Mine) Price (Rupees Per Tonne) of Coking Coal**  
**Applicable for Power Utilities (Including IPPs), Fertiliser and Defence Sector. [Price- Rs./ Tonne]**

| Companies            | Period                   | Grade of Coal |      |      |      |      |      |      |      |
|----------------------|--------------------------|---------------|------|------|------|------|------|------|------|
|                      |                          | SI            | SII  | WI   | WII  | WIII | WIV  | SCI  | SCII |
| (1)                  | (2)                      | (3)           | (4)  | (5)  | (6)  | (7)  | (8)  | (9)  | (10) |
| ECL ( Unspecified )  | 01-04-2014 to 31-03-2015 |               |      | 2390 | 1990 | 1470 | 1370 |      |      |
| ECL ( Unspecified )  | 01-04-2015 to 31-03-2016 |               |      | 2390 | 1990 | 1470 | 1370 |      |      |
| ECL ( Unspecified )  | 01-04-2016 to 31-03-2017 |               |      | 2390 | 1990 | 1470 | 1370 |      |      |
| ECL ( Unspecified )  | 01-04-2017 to 31-03-2018 |               |      | 2390 | 1990 | 1470 | 1370 |      |      |
| ECL ( Unspecified )  | 01-04-2018 to 31-03-2019 |               |      | 2390 | 1990 | 1470 | 1370 |      |      |
| ECL ( Unspecified )  | 01-04-2019 to 31-03-2020 |               |      | 2390 | 1990 | 1470 | 1370 |      |      |
| ECL ( Unspecified )  | 01-04-2020 to 31-03-2021 |               |      | 2390 | 1990 | 1470 | 1370 |      |      |
| ECL ( Raniganj )     | 01-04-2014 to 31-03-2015 |               |      |      |      |      |      | 2150 | 1790 |
| ECL ( Raniganj )     | 01-04-2015 to 31-03-2016 |               |      |      |      |      |      | 2150 | 1790 |
| ECL ( Raniganj )     | 01-04-2016 to 31-03-2017 |               |      |      |      |      |      | 2150 | 1790 |
| ECL ( Raniganj )     | 01-04-2017 to 31-03-2018 |               |      |      |      |      |      | 2150 | 1790 |
| ECL ( Raniganj )     | 01-04-2018 to 31-03-2019 |               |      |      |      |      |      | 2150 | 1790 |
| ECL ( Raniganj )     | 01-04-2019 to 31-03-2020 |               |      |      |      |      |      | 2150 | 1790 |
| ECL ( Raniganj )     | 01-04-2020 to 31-03-2021 |               |      |      |      |      |      | 2150 | 1790 |
| BCCL ( Specified )   | 01-04-2014 to 31-03-2015 | 3750          | 3140 | 2220 | 1850 | 1360 | 1270 |      |      |
| BCCL ( Specified )   | 01-04-2015 to 31-03-2016 | 3750          | 3140 | 2220 | 1850 | 1360 | 1270 |      |      |
| BCCL ( Specified )   | 01-04-2017 to 31-03-2021 | 3750          | 3140 | 2740 | 1980 | 1480 | 1370 |      |      |
| BCCL ( Unspecified ) | 01-04-2013 to 31-03-2014 |               |      | 2020 | 1680 | 1240 | 1150 |      |      |
| BCCL ( Unspecified ) | 01-04-2014 to 31-03-2015 |               |      | 2020 | 1680 | 1240 | 1150 |      |      |
| BCCL ( Unspecified ) | 01-04-2015 to 31-03-2021 |               |      | 2020 | 1680 | 1240 | 1150 |      |      |
| BCCL                 | 13-01-2017 to 31-03-2017 |               |      | 4190 | 3200 | 2550 | 2410 |      |      |
| BCCL                 | 01-04-2017 to 31-03-2018 |               |      | 4190 | 3200 | 2550 | 2410 |      |      |
| BCCL                 | 01-04-2018 to 31-03-2019 |               |      | 4190 | 3200 | 2550 | 2410 |      |      |
| BCCL                 | 01-04-2019 to 31-03-2020 |               |      | 4190 | 3200 | 2550 | 2410 |      |      |
| BCCL                 | 01-04-2020 to 31-03-2021 |               |      | 4190 | 3200 | 2550 | 2410 |      |      |
| CCL                  | wef 31-03-2015           | 3750          |      | 1960 | 1620 | 1200 | 1120 |      |      |
| CCL                  | 01-04-2015 to 31-03-2016 | 3750          |      | 1960 | 1620 | 1200 | 1120 |      |      |
| CCL                  | 01-04-2017 to 13-01-2017 |               |      | 1960 | 1620 | 1200 | 1120 |      |      |
| CCL                  | 14-01-2017 to 31-03-2017 |               |      | 3450 | 3210 | 2750 | 1120 |      |      |
| CCL                  | 01-04-2017 to 31-03-2018 |               |      | 3450 | 3210 | 2750 | 1120 |      |      |
| CCL                  | 01-04-2018 to 31-03-2019 |               |      | 3450 | 3210 | 2750 | 1120 |      |      |
| CCL                  | 01-04-2019 to 31-03-2020 |               |      | 3450 | 3210 | 2750 | 1120 |      |      |
| CCL                  | 01-04-2020 to 31-03-2021 |               |      | 3450 | 3210 | 2750 | 1120 |      |      |
| WCL                  | 01-04-2014 to 31-03-2015 |               |      | 1710 | 1410 | 1290 |      |      |      |
| WCL                  | 01-04-2015 to 31-03-2016 |               |      | 1710 | 1410 | 1290 |      |      |      |
| WCL                  | 01-04-2016 to 31-03-2017 |               |      | 1710 | 1410 | 1290 |      |      |      |
| WCL                  | 01-04-2017 to 31-03-2018 |               |      | 1710 | 1410 | 1290 |      |      |      |
| WCL                  | 01-04-2018 to 31-03-2019 |               |      | 1710 | 1410 | 1290 |      |      |      |
| WCL                  | 01-04-2019 to 31-03-2020 |               |      | 1710 | 1410 | 1290 |      |      |      |
| WCL                  | 01-04-2019 to 31-03-2021 |               |      | 1710 | 1410 | 1290 |      |      |      |
| SECL                 | 01-04-2014 to 31-03-2015 |               |      |      |      |      |      | 1740 | 1450 |
| SECL                 | 01-04-2015 to 31-03-2016 |               |      |      |      |      |      | 1740 | 1450 |
| SECL                 | 01-04-2016 to 31-03-2017 |               |      |      |      |      |      | 1740 | 1450 |
| SECL                 | 01-04-2017 to 31-03-2018 |               |      |      |      |      |      | 1740 | 1450 |
| SECL                 | 01-04-2018 to 31-03-2019 |               |      |      |      |      |      | 1740 | 1450 |
| SECL                 | 01-04-2019 to 31-03-2020 |               |      |      |      |      |      | 1740 | 1450 |
| SECL                 | 01-04-2020 to 31-03-2021 |               |      |      |      |      |      | 1740 | 1450 |

**Source: Information provided by CIL**

As per policy adopted by CIL, during **2018-19**, price of coking coal was notified by the respective subsidiary company and available in website.

**Table 6.4 : Pit Head (Run of Mine) Price (Rupees Per Tonne) of Coking Coal****Applicable for Consumers Other Than Power Utilities (Including IPPs), Fertiliser and Defence. [Price- Rs./ Tonne]**

| Companies           | Period                   | Grade of Coal |      |      |      |      |      |      |      |             |  |  |
|---------------------|--------------------------|---------------|------|------|------|------|------|------|------|-------------|--|--|
|                     |                          | SI            | SII  | WI   | WII  | WIII | WIV  | SCI  | SCII | Direct Feed |  |  |
| (1)                 | (2)                      | (3)           | (4)  | (5)  | (6)  | (7)  | (8)  | (9)  | (10) | (11)        |  |  |
| ECL ( Unspecified ) | 01-04-2014 to 31-03-2015 |               |      | 3110 | 2590 | 1910 | 1780 |      |      |             |  |  |
| ECL ( Unspecified ) | 01-04-2015 to 31-03-2016 |               |      | 3110 | 2590 | 1910 | 1780 |      |      |             |  |  |
| ECL ( Unspecified ) | 01-04-2016 to 31-03-2017 |               |      | 3110 | 2590 | 1910 | 1780 |      |      |             |  |  |
| ECL ( Unspecified ) | 01-04-2017 to 31-03-2018 |               |      | 3110 | 2590 | 1910 | 1780 |      |      |             |  |  |
| ECL ( Unspecified ) | 01-04-2018 to 31-03-2019 |               |      | 3110 | 2590 | 1910 | 1780 |      |      |             |  |  |
| ECL ( Unspecified ) | 01-04-2019 to 31-03-2020 |               |      | 3110 | 2590 | 1910 | 1780 |      |      |             |  |  |
| ECL ( Unspecified ) | 01-04-2020 to 31-03-2021 |               |      | 3110 | 2590 | 1910 | 1780 |      |      |             |  |  |
| ECL ( Raniganj )    | 01-04-2014 to 31-03-2015 |               |      |      |      |      |      | 2800 | 2330 |             |  |  |
| ECL ( Raniganj )    | 01-04-2015 to 31-03-2016 |               |      |      |      |      |      | 2800 | 2330 |             |  |  |
| ECL ( Raniganj )    | 01-04-2016 to 31-03-2017 |               |      |      |      |      |      | 2800 | 2330 |             |  |  |
| ECL ( Raniganj )    | 01-04-2017 to 31-03-2018 |               |      |      |      |      |      | 2800 | 2330 |             |  |  |
| ECL ( Raniganj )    | 01-04-2018 to 31-03-2019 |               |      |      |      |      |      | 2800 | 2330 |             |  |  |
| ECL ( Raniganj )    | 01-04-2019 to 31-03-2020 |               |      |      |      |      |      | 2800 | 2330 |             |  |  |
| ECL ( Raniganj )    | 01-04-2020 to 31-03-2021 |               |      |      |      |      |      | 2800 | 2330 |             |  |  |
| BCCL ( Specified )  | 01-04-2014 to 31-03-2015 | 4880          | 4080 | 2890 | 2400 | 1770 | 1650 |      |      |             |  |  |
| BCCL ( Specified )  | 01-04-2015 to 31-03-2016 | 4880          | 4080 | 2890 | 2400 | 1770 | 1650 |      |      |             |  |  |
| BCCL (Unspecified)  | 01-04-2014 to 31-03-2015 |               |      | 2630 | 2180 | 1610 | 1500 |      |      |             |  |  |
| BCCL (Unspecified)  | 01-04-2015 to 31-03-2016 |               |      | 2630 | 2180 | 1610 | 1500 |      |      |             |  |  |
| BCCL                | 01-04-2016 to 12-01-2017 |               |      | 2630 | 2180 | 1610 | 1500 |      |      |             |  |  |
| BCCL                | 13-01-2017 to 31-03-2017 |               |      | 5028 | 3840 | 3060 | 2892 |      |      |             |  |  |
| BCCL                | 01-04-2017 to 28-03-2018 |               |      | 5028 | 3840 | 3060 | 2892 |      |      |             |  |  |
| BCCL                | 29-03-2018 to 31-03-2018 | 5860          | 5635 | 5028 | 3840 | 3060 | 2892 |      |      |             |  |  |
| BCCL                | 01-04-2018 to 31-03-2019 | 5860          | 5635 | 5028 | 3840 | 3060 | 2892 |      |      |             |  |  |
| BCCL                | 01-04-2019 to 31-03-2020 | 5860          | 5635 | 5028 | 3840 | 3060 | 2892 |      |      |             |  |  |
| BCCL                | 01-04-2020 to 31-03-2021 | 5860          | 5635 | 5028 | 3840 | 3060 | 2892 |      |      |             |  |  |
| CCL                 | 01-04-2014 to 31-03-2015 |               |      | 2550 | 2110 | 1560 | 1460 |      |      |             |  |  |
| CCL                 | 01-04-2015 to 31-03-2016 |               |      | 2550 | 2110 | 1560 | 1460 |      |      |             |  |  |
| CCL                 | 01-04-2016 to 13-01-2017 |               |      | 2550 | 2110 | 1560 | 1460 |      |      |             |  |  |
| CCL                 | 14-01-2017 to 31-03-2017 | 4880          | 4080 | 3450 | 3210 | 2750 | 2300 |      |      |             |  |  |
| CCL                 | 01-04-2017 to 31-03-2018 | 4880          | 4080 | 3450 | 3210 | 2750 | 2300 |      |      |             |  |  |
| CCL                 | 01-04-2018 to 31-03-2019 | 4880          | 4080 | 3450 | 3210 | 2750 | 2300 |      |      |             |  |  |
| CCL                 | 01-04-2019 to 31-03-2020 | 4880          | 4080 | 3450 | 3210 | 2750 | 2300 |      |      |             |  |  |
| CCL                 | 01-04-2020 to 31-03-2021 | 4880          | 4080 | 3450 | 3210 | 2750 | 2300 |      |      |             |  |  |
| WCL                 | 01-04-2014 to 31-03-2015 |               |      |      | 2220 | 1830 | 1680 |      |      |             |  |  |
| WCL                 | 01-04-2015 to 31-03-2016 |               |      |      | 2220 | 1830 | 1680 |      |      |             |  |  |
| WCL                 | 01-04-2016 to 31-03-2017 |               |      |      | 2220 | 1830 | 1680 |      |      |             |  |  |
| WCL                 | 01-04-2017 to 31-03-2018 |               |      |      | 2220 | 1830 | 1680 |      |      |             |  |  |
| WCL                 | 01-04-2018 to 31-03-2019 |               |      |      | 2220 | 1830 | 1680 |      |      |             |  |  |
| WCL                 | 01-04-2018 to 31-03-2019 |               |      |      | 2220 | 1830 | 1680 |      |      |             |  |  |
| WCL                 | 01-04-2020 to 31-03-2021 |               |      |      | 2220 | 1830 | 1680 |      |      |             |  |  |
| SECL                | 01-04-2014 to 31-03-2015 |               |      |      |      |      |      | 2260 | 1890 |             |  |  |
| SECL                | 01-04-2015 to 31-03-2016 |               |      |      |      |      |      | 2260 | 1890 |             |  |  |
| SECL                | 01-04-2016 to 31-03-2017 |               |      |      |      |      |      | 2260 | 1890 |             |  |  |
| SECL                | 01-04-2017 to 31-03-2018 |               |      |      |      |      |      | 2260 | 1890 |             |  |  |
| SECL                | 01-04-2018 to 31-03-2019 |               |      |      |      |      |      | 2260 | 1890 |             |  |  |
| SECL                | 01-04-2019 to 31-03-2020 |               |      |      |      |      |      | 2260 | 1890 |             |  |  |
| SECL                | 01-04-2020 to 31-03-2021 |               |      |      |      |      |      | 2260 | 1890 |             |  |  |

**Source : Information provided by CIL. Further details are available in the website of CIL.**As per policy adopted by CIL, during **2018-19**, price of coking coal was notified by the respective subsidiary company and available in website.

Note: Direct Feed Grade has been introduced in 2018-19

**Table 6.5 : Pit Head (Run of Mine) Price (Rupees Per Tonne) of Non-Coking Coal of Coal India Limited**  
(Excluding WCL)

| Grade of Coal | GCV Bands                             | Applicable to Power Utilities ( including IPPs ),<br>Fertiliser and Defence Sector [Price- Rs./ Tonne] |                            |                            |                            |                            |                            |                            |                            |                            |                            |
|---------------|---------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|               |                                       | 28-05-13<br>to<br>31-03-14                                                                             | 01-04-14<br>to<br>31-03-15 | 01-04-15<br>to<br>31-03-16 | 01-04-16<br>to<br>29-05-16 | 30-05-16<br>to<br>31-03-17 | 01-04-17<br>to<br>08-01-18 | 09-01-18<br>to<br>31-03-18 | 01-04-18<br>to<br>31-03-19 | 01-04-19<br>to<br>30-11-20 | 01-12-20<br>to<br>31-03-21 |
| (1)           | (2)                                   | (3)                                                                                                    | (4)                        | (5)                        | (6)                        | (7)                        | (8)                        | (9)                        | (10)                       | (11)                       | (12)                       |
| G 1           | Exceeding 7000                        | *                                                                                                      | *                          | *                          | *                          | *                          | *                          | *                          | *                          | *                          | *                          |
| G 2           | Exceeding 6700 and not exceeding 7000 | 4870                                                                                                   | 4870                       | 4870                       | 4870                       | 3450                       | 3450                       | 3288                       | 3288                       | 3288                       | 3298                       |
| G 3           | Exceeding 6400 and not exceeding 6700 | 3890                                                                                                   | 3890                       | 3890                       | 3890                       | 3210                       | 3210                       | 3144                       | 3144                       | 3144                       | 3154                       |
| G 4           | Exceeding 6100 and not exceeding 6400 | 3490                                                                                                   | 3490                       | 3490                       | 3490                       | 3000                       | 3000                       | 3000                       | 3000                       | 3000                       | 3010                       |
| G 5           | Exceeding 5800 and not exceeding 6100 | 2800                                                                                                   | 2800                       | 2800                       | 2800                       | 2750                       | 2750                       | 2737                       | 2737                       | 2737                       | 2747                       |
| G 6           | Exceeding 5500 and not exceeding 5800 | 1600                                                                                                   | 1600                       | 1600                       | 1600                       | 1900                       | 1900                       | 2317                       | 2317                       | 2317                       | 2327                       |
| G 7           | Exceeding 5200 and not exceeding 5500 | 1400                                                                                                   | 1400                       | 1400                       | 1400                       | 1600                       | 1600                       | 1926                       | 1926                       | 1926                       | 1936                       |
| G 8           | Exceeding 4900 and not exceeding 5200 | 1250                                                                                                   | 1250                       | 1250                       | 1250                       | 1420                       | 1420                       | 1465                       | 1465                       | 1465                       | 1475                       |
| G 9           | Exceeding 4600 and not exceeding 4900 | 970                                                                                                    | 970                        | 970                        | 970                        | 1100                       | 1100                       | 1140                       | 1140                       | 1140                       | 1150                       |
| G 10          | Exceeding 4300 and not exceeding 4600 | 860                                                                                                    | 860                        | 860                        | 860                        | 980                        | 980                        | 1024                       | 1024                       | 1024                       | 1034                       |
| G 11          | Exceeding 4000 and not exceeding 4300 | 700                                                                                                    | 700                        | 700                        | 700                        | 810                        | 810                        | 955                        | 955                        | 955                        | 965                        |
| G 12          | Exceeding 3700 and not exceeding 4000 | 660                                                                                                    | 660                        | 660                        | 660                        | 760                        | 760                        | 886                        | 886                        | 886                        | 896                        |
| G 13          | Exceeding 3400 and not exceeding 3700 | 610                                                                                                    | 610                        | 610                        | 610                        | 720                        | 720                        | 817                        | 817                        | 817                        | 827                        |
| G 14          | Exceeding 3100 and not exceeding 3400 | 550                                                                                                    | 550                        | 550                        | 550                        | 650                        | 650                        | 748                        | 748                        | 748                        | 758                        |
| G 15          | Exceeding 2800 and not exceeding 3100 | 510                                                                                                    | 510                        | 510                        | 510                        | 600                        | 600                        | 590                        | 590                        | 590                        | 600                        |
| G 16          | Exceeding 2500 and not exceeding 2800 | 450                                                                                                    | 450                        | 450                        | 450                        | 530                        | 530                        | 504                        | 504                        | 504                        | 514                        |
| G 17          | Exceeding 2200 and not exceeding 2500 | 400                                                                                                    | 400                        | 400                        | 400                        | 470                        | 470                        | 447                        | 447                        | 447                        | 457                        |

\* For GCV exceeding 7000 Kcal/ Kg, the price shall be increased by Rs. 100/-per tonne over and above the price applicable for GCV band exceeding 6700 but not exceeding 7000 Kcal/Kg, for increase in GCV by every 100 Kcal/ Kg or part thereof.

An additional amount of Rs. 450 per tonne (as per existing practice) to be charged over and above the notified price in respect of the coal produced from Rajmahal mine of Eastern Coalfields Limited.

**Source : Information provided by CIL. Further details are available in website.**

**Table 6.6 : Pit Head Price (Run of Mine) Price (Rupees Per Tonne) of Non-Coking Coal of Coal India Limited**  
(Excluding WCL)

| Grade of Coal | GCV Bands                             | Applicable to Sectors Other than Power Utilities (including IPPs ),<br>Fertiliser and Defence [Price- Rs./ Tonne] |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |
|---------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|               |                                       | 01-01-12<br>to<br>20-06-12                                                                                        | 21-06-12<br>to<br>31-03-13 | 01-04-13<br>to<br>27-05-13 | 28-05-13<br>to<br>31-03-14 | 01-04-14<br>to<br>31-03-15 | 01-04-15<br>to<br>31-03-16 | 01-04-16<br>to<br>29-05-16 | 30-05-16<br>to<br>31-03-17 | 01-04-17<br>to<br>08-01-18 | 09-01-18<br>to<br>31-03-18 | 01-04-18<br>to<br>31-03-19 | 01-04-19<br>to<br>30-11-20 | 01-12-20<br>to<br>31-03-21 |
| (1)           | (2)                                   | (3)                                                                                                               | (4)                        | (3)                        | (3)                        | (4)                        | (5)                        | (6)                        | (7)                        | (8)                        | (9)                        | (10)                       | (11)                       | (12)                       |
| G 1           | Exceeding 7000                        | *                                                                                                                 | *                          | *                          | *                          | *                          | *                          | *                          | *                          | *                          | *                          | *                          | *                          | *                          |
| G 2           | Exceeding 6700 and not exceeding 7000 | 4870                                                                                                              | 4870                       | 4870                       | 4870                       | 4870                       | 4870                       | 4870                       | 3450                       | 3450                       | 3288                       | 3288                       | 3288                       | 3298                       |
| G 3           | Exceeding 6400 and not exceeding 6700 | 4420                                                                                                              | 4420                       | 4420                       | 3890                       | 3890                       | 3890                       | 3890                       | 3210                       | 3210                       | 3144                       | 3144                       | 3144                       | 3154                       |
| G 4           | Exceeding 6100 and not exceeding 6400 | 3970                                                                                                              | 3970                       | 3970                       | 3490                       | 3490                       | 3490                       | 3490                       | 3000                       | 3000                       | 3000                       | 3000                       | 3000                       | 3010                       |
| G 5           | Exceeding 5800 and not exceeding 6100 | 2800                                                                                                              | 2800                       | 2800                       | 2800                       | 2800                       | 2800                       | 2800                       | 2750                       | 2750                       | 2737                       | 2737                       | 2737                       | 2747                       |
| G 6           | Exceeding 5500 and not exceeding 5800 | 1960                                                                                                              | 2350                       | 2350                       | 2150                       | 2150                       | 2150                       | 2150                       | 2280                       | 2280                       | 2524                       | 2524                       | 2524                       | 2534                       |
| G 7           | Exceeding 5200 and not exceeding 5500 | 1720                                                                                                              | 2050                       | 2050                       | 1890                       | 1890                       | 1890                       | 1890                       | 1920                       | 1920                       | 2311                       | 2311                       | 2311                       | 2321                       |
| G 8           | Exceeding 4900 and not exceeding 5200 | 1540                                                                                                              | 1850                       | 1850                       | 1690                       | 1690                       | 1690                       | 1690                       | 1700                       | 1700                       | 1757                       | 1757                       | 1757                       | 1767                       |
| G 9           | Exceeding 4600 and not exceeding 4900 | 1180                                                                                                              | 1430                       | 1430                       | 1310                       | 1310                       | 1310                       | 1310                       | 1320                       | 1320                       | 1368                       | 1368                       | 1368                       | 1378                       |
| G 10          | Exceeding 4300 and not exceeding 4600 | 1050                                                                                                              | 1270                       | 1270                       | 1160                       | 1160                       | 1160                       | 1160                       | 1180                       | 1180                       | 1228                       | 1228                       | 1228                       | 1238                       |
| G 11          | Exceeding 4000 and not exceeding 4300 | 870                                                                                                               | 1040                       | 1040                       | 950                        | 950                        | 950                        | 950                        | 970                        | 970                        | 1145                       | 1145                       | 1145                       | 1155                       |
| G 12          | Exceeding 3700 and not exceeding 4000 | 810                                                                                                               | 970                        | 970                        | 890                        | 890                        | 890                        | 890                        | 910                        | 910                        | 1063                       | 1063                       | 1063                       | 1073                       |
| G 13          | Exceeding 3400 and not exceeding 3700 | 740                                                                                                               | 890                        | 890                        | 820                        | 820                        | 820                        | 820                        | 860                        | 860                        | 980                        | 980                        | 980                        | 990                        |
| G 14          | Exceeding 3100 and not exceeding 3400 | 680                                                                                                               | 810                        | 810                        | 740                        | 740                        | 740                        | 740                        | 780                        | 780                        | 897                        | 897                        | 897                        | 907                        |
| G 15          | Exceeding 2800 and not exceeding 3100 | 620                                                                                                               | 740                        | 740                        | 680                        | 680                        | 680                        | 680                        | 720                        | 720                        | 708                        | 708                        | 708                        | 718                        |
| G 16          | Exceeding 2500 and not exceeding 2800 | 550                                                                                                               | 660                        | 660                        | 610                        | 610                        | 610                        | 610                        | 640                        | 640                        | 604                        | 604                        | 604                        | 614                        |
| G 17          | Exceeding 2200 and not exceeding 2500 | 490                                                                                                               | 580                        | 580                        | 540                        | 540                        | 540                        | 540                        | 570                        | 570                        | 536                        | 536                        | 536                        | 546                        |

\* For GCV exceeding 7000 Kcal/ Kg, the price shall be increased by Rs. 100/-per tonne over and above the price applicable for GCV band exceeding 6700 but not exceeding 7000 cal/Kg, for increase in GCV by every 100 Kcal/ Kg or part thereof.

An additional amount of Rs. 450 per tonne (as per existing practice) to be charged over and above the notified price in respect of the coal produced from Rajmahal mine of Eastern Coalfields Limited.

Source : Information provided by CIL. Further details are available in website.

Table 6.7 : Pit Head (Run of Mines) Price (Rupees per Tonne) of Non-Coking Coal of Western Coalfields Ltd. (WCL)

( Applicable to Power Utilities ( including IPPs ), Fertiliser and Defence Sector ). [Price- Rs. / Tonne]

| Grade of Coal | GCV Bands                             | 01-04-13 to 27-05-13 | 28-05-13 to 16-12-13 | 17-12-13 to 31-03-14 | 01-04-14 to 31-03-15 | 01-04-15 to 31-03-16 | 01-04-16 to 29-05-16 | 30-05-16 to 31-03-17 | 01-04-17 to 08-01-18 | 09-01-18 to 31-03-18 | 01-04-18 to 31-03-19 | 01-04-19 to 30-11-20 | 01-12-20 to 31-03-21 |
|---------------|---------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| (1)           | (2)                                   | (3)                  | (3)                  | (3)                  | (4)                  | (5)                  | (6)                  | (7)                  | (8)                  | (9)                  | (10)                 | (11)                 | (12)                 |
| G 1           | Exceeding 7000                        | *                    | *                    | *                    | *                    | *                    | *                    | *                    | *                    | *                    | *                    | *                    | *                    |
| G 2           | Exceeding 6700 and not exceeding 7000 | 4870                 | 4870                 | 4870                 | 4870                 | 4870                 | 4870                 | 3450                 | 3450                 | 3288                 | 3288                 | 3288                 | 3298                 |
| G 3           | Exceeding 6400 and not exceeding 6700 | 4420                 | 3890                 | 3890                 | 3890                 | 3890                 | 3890                 | 3210                 | 3210                 | 3144                 | 3144                 | 3144                 | 3154                 |
| G 4           | Exceeding 6100 and not exceeding 6400 | 3970                 | 3490                 | 3490                 | 3490                 | 3490                 | 3490                 | 3000                 | 3000                 | 3000                 | 3000                 | 3000                 | 3010                 |
| G 5           | Exceeding 5800 and not exceeding 6100 | 2800                 | 2800                 | 2800                 | 2800                 | 2800                 | 2800                 | 2750                 | 2750                 | 2737                 | 2737                 | 2737                 | 2747                 |
| G 6           | Exceeding 5500 and not exceeding 5800 | 1740                 | 1760                 | 1920                 | 1920                 | 1920                 | 1920                 | 2280                 | 2280                 | 2524                 | 2524                 | 2524                 | 2534                 |
| G 7           | Exceeding 5200 and not exceeding 5500 | 1520                 | 1540                 | 1680                 | 1680                 | 1680                 | 1680                 | 1920                 | 1920                 | 2311                 | 2311                 | 2311                 | 2321                 |
| G 8           | Exceeding 4900 and not exceeding 5200 | 1370                 | 1380                 | 1510                 | 1510                 | 1510                 | 1510                 | 1700                 | 1700                 | 1757                 | 1757                 | 1757                 | 1767                 |
| G 9           | Exceeding 4600 and not exceeding 4900 | 1060                 | 1070                 | 1170                 | 1170                 | 1170                 | 1170                 | 1320                 | 1320                 | 1368                 | 1368                 | 1368                 | 1378                 |
| G 10          | Exceeding 4300 and not exceeding 4600 | 940                  | 940                  | 1030                 | 1030                 | 1030                 | 1030                 | 1180                 | 1180                 | 1228                 | 1228                 | 1228                 | 1238                 |
| G 11          | Exceeding 4000 and not exceeding 4300 | 770                  | 770                  | 840                  | 840                  | 840                  | 840                  | 970                  | 970                  | 1145                 | 1145                 | 1145                 | 1155                 |
| G 12          | Exceeding 3700 and not exceeding 4000 | 720                  | 730                  | 800                  | 800                  | 800                  | 800                  | 910                  | 910                  | 1063                 | 1063                 | 1063                 | 1073                 |
| G 13          | Exceeding 3400 and not exceeding 3700 | 660                  | 670                  | 730                  | 730                  | 730                  | 730                  | 860                  | 860                  | 980                  | 980                  | 980                  | 990                  |
| G 14          | Exceeding 3100 and not exceeding 3400 | 600                  | 610                  | 670                  | 670                  | 670                  | 670                  | 780                  | 780                  | 897                  | 897                  | 897                  | 907                  |
| G 15          | Exceeding 2800 and not exceeding 3100 | 550                  | 560                  | 610                  | 610                  | 610                  | 610                  | 720                  | 720                  | 708                  | 708                  | 708                  | 718                  |
| G 16          | Exceeding 2500 and not exceeding 2800 | 490                  | 500                  | 550                  | 550                  | 550                  | 550                  | 640                  | 640                  | 604                  | 604                  | 604                  | 614                  |
| G 17          | Exceeding 2200 and not exceeding 2500 | 430                  | 440                  | 480                  | 480                  | 480                  | 480                  | 560                  | 560                  | 536                  | 536                  | 536                  | 546                  |

\* For GCV exceeding 7000 Kcal/ Kg, the price shall be increased by Rs. 100/-per tonne over and above the price applicable for GCV band exceeding 6700 but not exceeding 7000 Kcal/Kg, for increase in GCV by every 100 Kcal/ Kg or part thereof.

Source : Information provided by CIL. Further details are available in website.

**Table 6.8: Pit Head (Run of Mines) Price (Rupees per Tonne) of Non-Coking Coal of Western Coalfields Ltd. (WCL)**  
**( Applicable to Sectors Other than Power Utilities ( including IPPs ) and Defence Sector ). [Price- Rs. /Tonne]**

| Grade of Coal | GCV Bands                             | 17-12-13 to 31-03-14 | 01-04-14 to 31-03-15 | 01-04-15 to 31-03-16 | 01-04-16 to 29-05-16 | 30-05-16 to 31-03-17 | 01-04-17 to 08-01-18 | 09-01-18 to 31-03-18 | 01-04-18 to 31-03-19 | 01-04-19 to 30-11-20 | 01-12-20 to 31-03-21 |
|---------------|---------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| (1)           | (2)                                   | (3)                  | (4)                  | (5)                  | (6)                  | (7)                  | (8)                  | (9)                  | (10)                 | (11)                 | (12)                 |
| G 1           | Exceeding 7000                        | *                    | *                    | *                    | *                    | *                    | *                    | *                    | *                    | *                    | *                    |
| G 2           | Exceeding 6700 and not exceeding 7000 | 4870                 | 4870                 | 4870                 | 4870                 | 3450                 | 3450                 | 3288                 | 3288                 | 3288                 | 3298                 |
| G 3           | Exceeding 6400 and not exceeding 6700 | 3890                 | 3890                 | 3890                 | 3890                 | 3210                 | 3210                 | 3144                 | 3144                 | 3144                 | 3154                 |
| G 4           | Exceeding 6100 and not exceeding 6400 | 3490                 | 3490                 | 3490                 | 3490                 | 3000                 | 3000                 | 3000                 | 3000                 | 3000                 | 3010                 |
| G 5           | Exceeding 5800 and not exceeding 6100 | 2800                 | 2800                 | 2800                 | 2800                 | 2750                 | 2750                 | 2737                 | 2737                 | 2737                 | 2747                 |
| G 6           | Exceeding 5500 and not exceeding 5800 | 2590                 | 2590                 | 2590                 | 2590                 | 2280                 | 2280                 | 2580                 | 2580                 | 2580                 | 2590                 |
| G 7           | Exceeding 5200 and not exceeding 5500 | 2270                 | 2270                 | 2270                 | 2270                 | 1920                 | 1920                 | 2423                 | 2423                 | 2423                 | 2433                 |
| G 8           | Exceeding 4900 and not exceeding 5200 | 2030                 | 2030                 | 2030                 | 2030                 | 1700                 | 1700                 | 2109                 | 2109                 | 2109                 | 2119                 |
| G 9           | Exceeding 4600 and not exceeding 4900 | 1570                 | 1570                 | 1570                 | 1570                 | 1320                 | 1320                 | 1642                 | 1642                 | 1642                 | 1652                 |
| G 10          | Exceeding 4300 and not exceeding 4600 | 1390                 | 1390                 | 1390                 | 1390                 | 1180                 | 1180                 | 1474                 | 1474                 | 1474                 | 1484                 |
| G 11          | Exceeding 4000 and not exceeding 4300 | 1150                 | 1150                 | 1150                 | 1150                 | 970                  | 970                  | 1374                 | 1374                 | 1374                 | 1384                 |
| G 12          | Exceeding 3700 and not exceeding 4000 | 1070                 | 1070                 | 1070                 | 1070                 | 910                  | 910                  | 1275                 | 1275                 | 1275                 | 1285                 |
| G 13          | Exceeding 3400 and not exceeding 3700 | 980                  | 980                  | 980                  | 980                  | 860                  | 860                  | 1176                 | 1176                 | 1176                 | 1186                 |
| G 14          | Exceeding 3100 and not exceeding 3400 | 890                  | 890                  | 890                  | 890                  | 780                  | 780                  | 1076                 | 1076                 | 1076                 | 1086                 |
| G 15          | Exceeding 2800 and not exceeding 3100 | 820                  | 820                  | 820                  | 820                  | 720                  | 720                  | 850                  | 850                  | 850                  | 860                  |
| G 16          | Exceeding 2500 and not exceeding 2800 | 730                  | 730                  | 730                  | 730                  | 640                  | 640                  | 725                  | 725                  | 725                  | 735                  |
| G 17          | Exceeding 2200 and not exceeding 2500 | 640                  | 640                  | 640                  | 640                  | 570                  | 570                  | 643                  | 643                  | 643                  | 653                  |

\* For GCV exceeding 7000 Kcal/ Kg, the price shall be increased by Rs. 100/-per tonne over and above the price applicable for GCV band exceeding 6700 but not exceeding 7000 Kcal/Kg, for increase in GCV by every 100 Kcal/ Kg or part thereof.

Source : Information provided by CIL. Further details are available in website.

**Table 6.9: Pit Head (Run of Mine) Price (Rupees per Tonne) of the Singareni Collieries Company Limited  
(Applicable to All Sectors )**

| Grade of Coal | GCV Range  | 08-01-12 to 31-03-12 | 01-04-12 to 31-03-13 | 01-04-13 to 18-07-13 | 19-07-13 to 10-09-13 |
|---------------|------------|----------------------|----------------------|----------------------|----------------------|
| (1)           | (2)        | (3)                  | (4)                  | (5)                  | (6)                  |
| G 1           | Above 7000 | 3542                 | 3896                 | 3896                 | 4680                 |
| G 2           | 6701-7000  | 3393                 | 3733                 | 3733                 | 4480                 |
| G 3           | 6401-6700  | 3244                 | 3569                 | 3569                 | 4290                 |
| G 4           | 6101-6400  | 3032                 | 3336                 | 3336                 | 4340                 |
| G 5           | 5801-6100  | 2886                 | 3319                 | 3319                 | 4320                 |
| G 6           | 5501-5800  | 2360                 | 2360                 | 2360                 | 2360                 |
| G 7           | 5201-5500  | 1840                 | 1840                 | 1840                 | 1840                 |
| G 8           | 4901-5200  | 1700                 | 1700                 | 1700                 | 1700                 |
| G 9           | 4601-4900  | 1500                 | 1500                 | 1500                 | 1500                 |
| G 10          | 4301-4600  | 1400                 | 1400                 | 1400                 | 1400                 |
| G 11          | 4001-4300  | 1130                 | 1130                 | 1130                 | 1130                 |
| G 12          | 3701-4000  | 910                  | 910                  | 910                  | 910                  |
| G 13          | 3401-3700  | 690                  | 690                  | 690                  | 690                  |
| G 14          | 3101-3400  | 610                  | 610                  | 610                  | 610                  |
| G 15          | 2801-3100  | 510                  | 510                  | 510                  | 510                  |
| G 16          | 2501-2800  | 474                  | 474                  | 474                  | 474                  |
| G 17          | 2201-2500  | 420                  | 420                  | 420                  | 420                  |

NB : SCCL notified separate price of coal for Power Utilities and Non-Power Consumers Sectors from 11-09-2013, please vide Table 6.13

**Source : Information provided by SCCL**

**Table 6.10 : Basic (Run of Mine) Price (Rupees per Tonne) of the Singareni Collieries Company Limited  
(Applicable for Power Utility Sector )**

| Grade of Coal | GCV Range  | 11-09-13 to 31-03-14 | 01-04-14 to 11-01-15 | 12-01-15 to 31-03-15 | 01-04-15 to 31-03-16 | 01-04-16 to 21-05-16 | 22-05-16 to 27-10-16 | 28-10-16 to 23-01-17 | 24-01-17 to 31-03-17 | 01-04-17 to 08-04-17 | 09-04-17 to 30-06-17 | 01-07-17 to 31-10-17 | 01-11-17 to 31-03-18 | 01-04-18 to 31-12-18 | 01-01-19 to 16-02-20 | 17-02-20 to 31-03-20 | 01-04-20 to 31-03-21 |
|---------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| (1)           | (2)        | (3)                  | (4)                  | (5)                  | (6)                  | (7)                  | (8)                  | (9)                  | (10)                 | (11)                 | (12)                 | (13)                 | (14)                 | (15)                 | (16)                 | (17)                 | (18)                 |
| G 1           | Above 7000 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4910                 | 4910                 | 4910                 |
| G 2           | 6701-7000  | 4480                 | 4480                 | 4480                 | 4480                 | 4480                 | 4480                 | 4480                 | 4480                 | 4480                 | 4480                 | 4480                 | 4480                 | 4480                 | 4700                 | 4700                 | 4700                 |
| G 3           | 6401-6700  | 4390                 | 4390                 | 4390                 | 4390                 | 4390                 | 4390                 | 4390                 | 4390                 | 4390                 | 4390                 | 4390                 | 4390                 | 4390                 | 4610                 | 4610                 | 4610                 |
| G 4           | 6101-6400  | 4340                 | 4340                 | 4340                 | 4340                 | 4340                 | 4340                 | 4340                 | 4340                 | 4340                 | 4340                 | 4340                 | 4340                 | 4340                 | 4560                 | 4560                 | 4560                 |
| G 5           | 5801-6100  | 4320                 | 4320                 | 4320                 | 4320                 | 4320                 | 4320                 | 3320                 | 3320                 | 3320                 | 3520                 | 3520                 | 3700                 | 3700                 | 3885                 | 3885                 | 3885                 |
| G 6           | 5501-5800  | 2720                 | 2720                 | 3328                 | 3328                 | 3328                 | 3328                 | 3000                 | 3000                 | 3000                 | 3200                 | 3200                 | 3600                 | 3600                 | 3780                 | 3780                 | 3780                 |
| G 7           | 5201-5500  | 2120                 | 2120                 | 2600                 | 2600                 | 2600                 | 2600                 | 2600                 | 2600                 | 2600                 | 2800                 | 2800                 | 3100                 | 3100                 | 3430                 | 3430                 | 3430                 |
| G 8           | 4901-5200  | 1960                 | 1960                 | 2580                 | 2580                 | 2580                 | 2580                 | 2580                 | 2580                 | 2580                 | 2600                 | 2600                 | 2900                 | 2900                 | 3130                 | 3130                 | 3130                 |
| G 9           | 4601-4900  | 1730                 | 1730                 | 1730                 | 1730                 | 1730                 | 1730                 | 1730                 | 1730                 | 1730                 | 2030                 | 2030                 | 2330                 | 2330                 | 2450                 | 2450                 | 2450                 |
| G 10          | 4301-4600  | 1610                 | 1610                 | 1610                 | 1610                 | 1610                 | 1610                 | 1610                 | 1610                 | 1610                 | 1900                 | 1900                 | 2200                 | 2200                 | 2310                 | 2310                 | 2310                 |
| G 11          | 4001-4300  | 1300                 | 1300                 | 1300                 | 1300                 | 1300                 | 1300                 | 1300                 | 1300                 | 1300                 | 1430                 | 1430                 | 1730                 | 1730                 | 1820                 | 1820                 | 1820                 |
| G 12          | 3701-4000  | 1050                 | 1050                 | 1050                 | 1050                 | 1050                 | 1050                 | 1050                 | 1050                 | 1050                 | 1250                 | 1250                 | 1520                 | 1520                 | 1600                 | 1600                 | 1600                 |
| G 13          | 3401-3700  | 800                  | 800                  | 800                  | 800                  | 800                  | 800                  | 800                  | 960                  | 960                  | 960                  | 960                  | 1160                 | 1160                 | 1230                 | 1230                 | 1230                 |
| G 14          | 3101-3400  | 710                  | 710                  | 710                  | 710                  | 710                  | 710                  | 710                  | 710                  | 710                  | 710                  | 710                  | 1000                 | 1000                 | 1100                 | 1100                 | 1100                 |
| G 15          | 2801-3100  | 590                  | 590                  | 590                  | 590                  | 590                  | 590                  | 590                  | 590                  | 590                  | 590                  | 590                  | 880                  | 880                  | 970                  | 970                  | 970                  |
| G 16          | 2501-2800  | 550                  | 550                  | 550                  | 550                  | 550                  | 550                  | 550                  | 550                  | 550                  | 550                  | 550                  | 840                  | 840                  | 920                  | 920                  | 920                  |
| G 17          | 2201-2500  | 490                  | 490                  | 490                  | 490                  | 490                  | 490                  | 490                  | 490                  | 490                  | 490                  | 490                  | 590                  | 590                  | 830                  | 650                  | 650                  |

Source : Information provided by SCCL, further details available in website.

NB : SCCL notified separate price of coal for Power Utilities and Non-Power Consumers from 11-09-2013.

**Table 6.11 : Basic (Run of Mine) Price (Rupees per Tonne) of the Singareni Collieries Company Limited**  
(Applicable for Non-Power Utility Sector)

| Grade of Coal | GCV Range  | 11-09-13 to 31-03-14 | 01-04-14 to 11-01-15 | 12-01-15 to 31-03-15 | 01-04-15 to 31-03-16 | 01-04-16 to 21-05-16 | 22-05-16 to 27-10-16 | 28-10-16 to 23-01-17 | 24-01-17 to 31-03-17 | 01-04-17 to 08-04-17 | 09-04-17 to 30-06-17 | 01-07-17 to 31-10-17 | 01-11-17 to 31-03-18 | 01-04-18 to 31-12-18 | 01-01-19 to 16-02-20 | 17-02-20 to 31-03-20 | 01-04-20 to 31-03-21 |
|---------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| (1)           | (2)        | (3)                  | (4)                  | (5)                  | (6)                  | (7)                  | (8)                  | (9)                  | (10)                 | (11)                 | (12)                 | (13)                 | (14)                 | (15)                 | (16)                 | (17)                 | (18)                 |
| G 1           | Above 7000 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4680                 | 4910                 | 4910                 | 4910                 | 4910                 |
| G 2           | 6701-7000  | 4480                 | 4480                 | 4480                 | 4480                 | 4480                 | 4300                 | 4300                 | 4300                 | 4300                 | 4300                 | 4480                 | 4480                 | 4700                 | 4700                 | 4700                 | 4700                 |
| G 3           | 6401-6700  | 4390                 | 4390                 | 4390                 | 4390                 | 4390                 | 3900                 | 3900                 | 3900                 | 3900                 | 3900                 | 4390                 | 4390                 | 4610                 | 4610                 | 4610                 | 4610                 |
| G 4           | 6101-6400  | 4340                 | 4340                 | 4340                 | 4340                 | 4340                 | 3600                 | 3600                 | 3600                 | 3600                 | 3600                 | 4340                 | 4340                 | 4560                 | 4560                 | 4560                 | 4560                 |
| G 5           | 5801-6100  | 4320                 | 4320                 | 4320                 | 4320                 | 4320                 | 3320                 | 3320                 | 3320                 | 3520                 | 3520                 | 3700                 | 3700                 | 3885                 | 3885                 | 3885                 | 3885                 |
| G 6           | 5501-5800  | 3310                 | 3310                 | 3328                 | 3328                 | 3328                 | 3000                 | 3000                 | 3000                 | 3200                 | 3200                 | 3600                 | 3600                 | 3780                 | 3780                 | 3780                 | 3780                 |
| G 7           | 5201-5500  | 2580                 | 2580                 | 2600                 | 2600                 | 2600                 | 2600                 | 2600                 | 2600                 | 2800                 | 2800                 | 3100                 | 3100                 | 3430                 | 3430                 | 3430                 | 3430                 |
| G 8           | 4901-5200  | 2550                 | 2550                 | 2580                 | 2580                 | 2580                 | 2580                 | 2580                 | 2580                 | 2600                 | 2600                 | 2900                 | 2900                 | 3130                 | 3130                 | 3130                 | 3130                 |
| G 9           | 4601-4900  | 2250                 | 2250                 | 2280                 | 2280                 | 2280                 | 2280                 | 2280                 | 2280                 | 2500                 | 2500                 | 2800                 | 2800                 | 3020                 | 3020                 | 3020                 | 3020                 |
| G 10          | 4301-4600  | 2100                 | 2100                 | 2130                 | 2130                 | 2130                 | 2130                 | 2130                 | 2130                 | 2340                 | 2340                 | 2660                 | 2660                 | 2880                 | 2880                 | 2880                 | 2880                 |
| G 11          | 4001-4300  | 1700                 | 1700                 | 1725                 | 1725                 | 1725                 | 1725                 | 1725                 | 1725                 | 1900                 | 1900                 | 2150                 | 2150                 | 2340                 | 2340                 | 2340                 | 2340                 |
| G 12          | 3701-4000  | 1370                 | 1370                 | 1395                 | 1395                 | 1395                 | 1395                 | 1395                 | 1395                 | 1500                 | 1500                 | 1900                 | 1900                 | 2080                 | 2080                 | 2080                 | 2080                 |
| G 13          | 3401-3700  | 1040                 | 1040                 | 1065                 | 1065                 | 1065                 | 1065                 | 1065                 | 1065                 | 1200                 | 1200                 | 1500                 | 1500                 | 1660                 | 1660                 | 1660                 | 1660                 |
| G 14          | 3101-3400  | 920                  | 920                  | 945                  | 945                  | 945                  | 945                  | 945                  | 945                  | 945                  | 945                  | 1300                 | 1300                 | 1520                 | 1520                 | 1520                 | 1520                 |
| G 15          | 2801-3100  | 770                  | 770                  | 795                  | 795                  | 795                  | 795                  | 795                  | 795                  | 795                  | 795                  | 1000                 | 1000                 | 1190                 | 1190                 | 970                  | 970                  |
| G 16          | 2501-2800  | 620                  | 620                  | 635                  | 635                  | 635                  | 635                  | 635                  | 635                  | 635                  | 635                  | 840                  | 840                  | 1010                 | 1010                 | 1010                 | 920                  |
| G 17          | 2201-2500  | 550                  | 550                  | 486                  | 486                  | 486                  | 486                  | 486                  | 486                  | 486                  | 490                  | 590                  | 590                  | 940                  | 650                  | 650                  | 650                  |

Source : Information provided by SCCL, further details available in website.

NB : SCCL notified separate price of coal for Power Utilities and Non-Power Consumers from 11-09-2013.

7

# Import & Export



## Section VII

### 7.1: Import & Export

**7.1.1** In spite of sufficient coal reserve, we have not been able to meet our demand from our own production. Moreover, the supply of high quality coal (low-ash coal) in the country has been more limited than the low quality coal. Therefore, to bridge the demand-supply gap, we have no option but to resort to import of coal, especially low-ash coal.

**7.1.2** As per our Import Policy 1993-94, coal has been put under Open General License (OGL) and therefore consumers are free to import coal based on their requirement. Superior quality non-coking coal is imported mainly by coast-based power plants and other industrial users viz., paper, sponge iron, cements and captive power plants, on consideration of transport logistics, commercial prudence, export entitlements and inadequate availability of such superior coal from indigenous sources.

**7.1.3** In 2020-21, import of coal by India was 215.251 MT against import of 248.537 MT in 2019-20, thus import decreased by 13.39% over 2019-20. Import of coal, both in quantity and value is shown in Statement 7.1 below.

| Statement 7.1: Import of Coal to India in 2020-21 |                |                     |
|---------------------------------------------------|----------------|---------------------|
| Type of Coal                                      | Quantity [MT]  | Value [Rs. Million] |
| Coking                                            | 51.198         | 453552              |
| Non-Coking                                        | 164.053        | 706688              |
| <b>Total</b>                                      | <b>215.251</b> | <b>1160240</b>      |

It may be seen that the share of coking coal in the total quantity was 23.79% but it accounted for 39.09% of the total value of import

**7.1.4** Statement 7.2 shows country wise import of coal in India in 2020-21. It can be seen that Indonesia with 42.98% share remained the leading supplier followed by Australia 25.53% and South Africa 14.45%. These three countries together accounted for 82.96% share in the country's import in 2020-21.

**Statement 7.2: Source Country-Wise Import of Coal by India during 2020-21**

| Country      | Quantity [MT]  | Share          |
|--------------|----------------|----------------|
| Indonesia    | 92.535         | 42.98%         |
| Australia    | 54.953         | 25.53%         |
| South Africa | 31.093         | 14.45%         |
| U S A        | 12.204         | 5.67%          |
| Russia       | 6.749          | 3.14%          |
| Singapore    | 4.486          | 2.08%          |
| Mozambique   | 3.570          | 1.66%          |
| Canada       | 2.963          | 1.38%          |
| Colombia     | 2.350          | 1.09%          |
| Switzerland  | 1.968          | 0.91%          |
| U Arab Emts  | 0.825          | 0.38%          |
| Others       | 1.555          | 0.72%          |
| <b>Total</b> | <b>215.251</b> | <b>100.00%</b> |

**7.1.5** The break-up of source country wise import for coking and non-coking coal during 2020-21 is given in statement 7.3 and statement 7.4 respectively.

**Statement 7.3 Source Country-Wise Import of Coking Coal by India during 2020-21**

| Country      | Quantity [MT] | Share          |
|--------------|---------------|----------------|
| Australia    | 35.945        | 70.21%         |
| U S A        | 3.895         | 7.61%          |
| Canada       | 2.850         | 5.57%          |
| Singapore    | 1.860         | 3.63%          |
| Mozambique   | 1.669         | 3.26%          |
| Indonesia    | 1.398         | 2.73%          |
| Russia       | 1.328         | 2.59%          |
| Switzerland  | 0.460         | 0.90%          |
| Others       | 1.793         | 3.50%          |
| <b>Total</b> | <b>51.198</b> | <b>100.00%</b> |

**Statement 7.4 Source Country-Wise Import of Non-Coking Coal to India during 2020-21**

| Country      | Quantity [MT]  | Share          |
|--------------|----------------|----------------|
| Indonesia    | 91.137         | 55.56%         |
| South Africa | 31.093         | 18.95%         |
| Australia    | 18.008         | 10.98%         |
| U S A        | 8.309          | 5.06%          |
| Russia       | 5.421          | 3.30%          |
| Colombia     | 2.350          | 1.43%          |
| Mozambique   | 1.900          | 1.16%          |
| Others       | 5.835          | 3.56%          |
| <b>Total</b> | <b>164.053</b> | <b>100.00%</b> |

**7.1.6** Demand of coal of the country and its production vis-à-vis import during the last five years are given in statement 7.5

**Statement 7.5: Demand, Production and Import of Coal in India in last five years [MT]**

| Year    | Demand * | Production | Import  |
|---------|----------|------------|---------|
| 2016-17 | 884.870  | 657.868    | 190.953 |
| 2017-18 | 908.400  | 675.400    | 208.249 |
| 2018-19 | 991.350  | 728.718    | 235.348 |
| 2019-20 | 1000.00  | 730.874    | 248.537 |
| 2020-21 | 1052.00  | 716.083    | 215.251 |

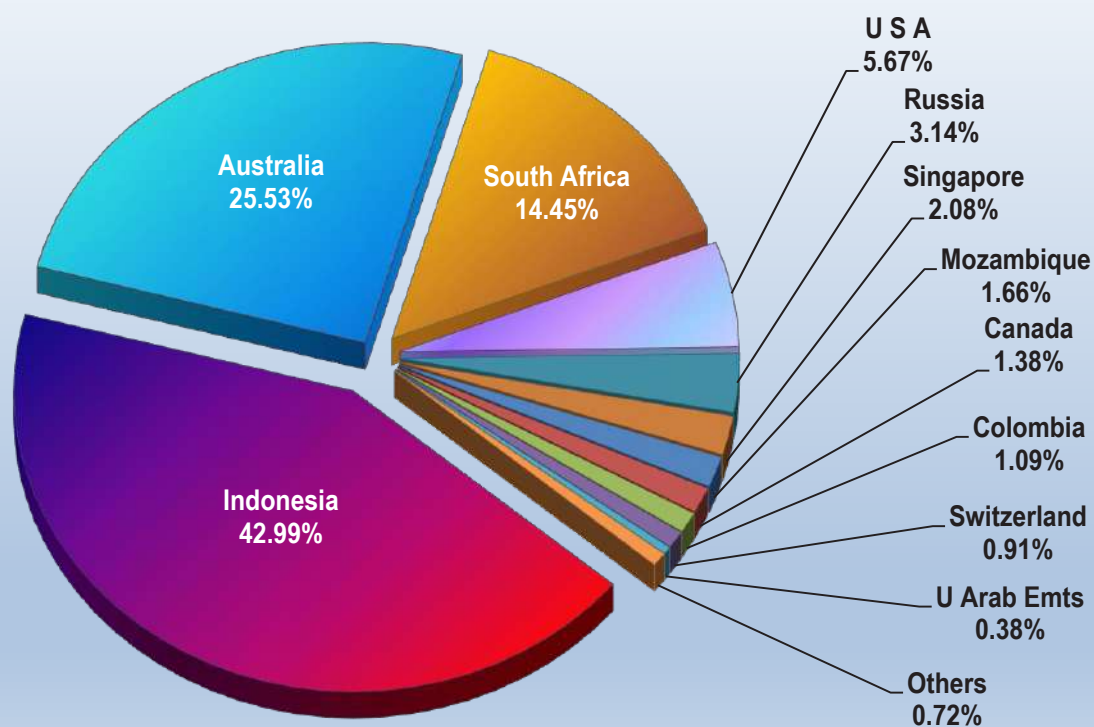
\* Source: Annual Plan, MOC

**7.1.7** Export of Coal: Although, there is short supply of coal in India compared to its demand and it has to resort to import of coal, India does export some quantity of coal to its neighbouring countries. In 2020-21 the export of coal was 2.945 MT (statement 7.6) and mainly exported to Bangladesh and Nepal, having respective shares of 22.58% and 74.74%. Out of the export, quantity of coking coal was 0.0032 MT.

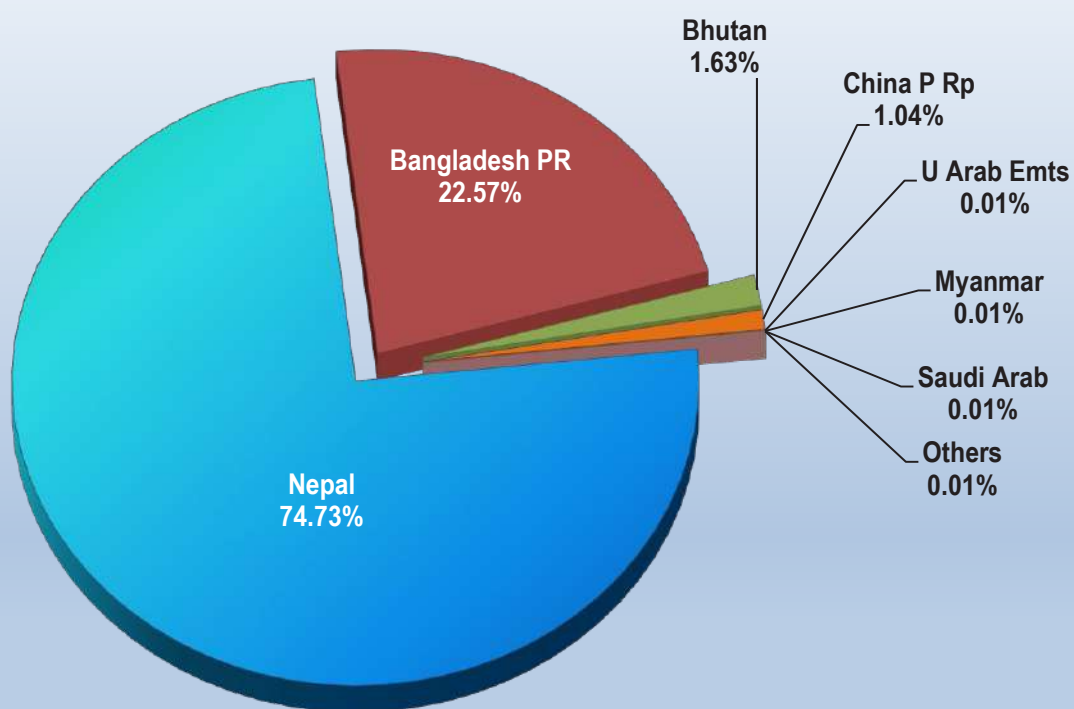
**Statement 7.6: Export of Coal from India by destination countries during 2020-21**

| Country      | Quantity [MT] | Share          |
|--------------|---------------|----------------|
| Nepal        | 2.201         | 74.74%         |
| Bangladesh   | 0.665         | 22.58%         |
| Bhutan       | 0.048         | 1.63%          |
| Others       | 0.031         | 1.05%          |
| <b>Total</b> | <b>2.945</b>  | <b>100.00%</b> |

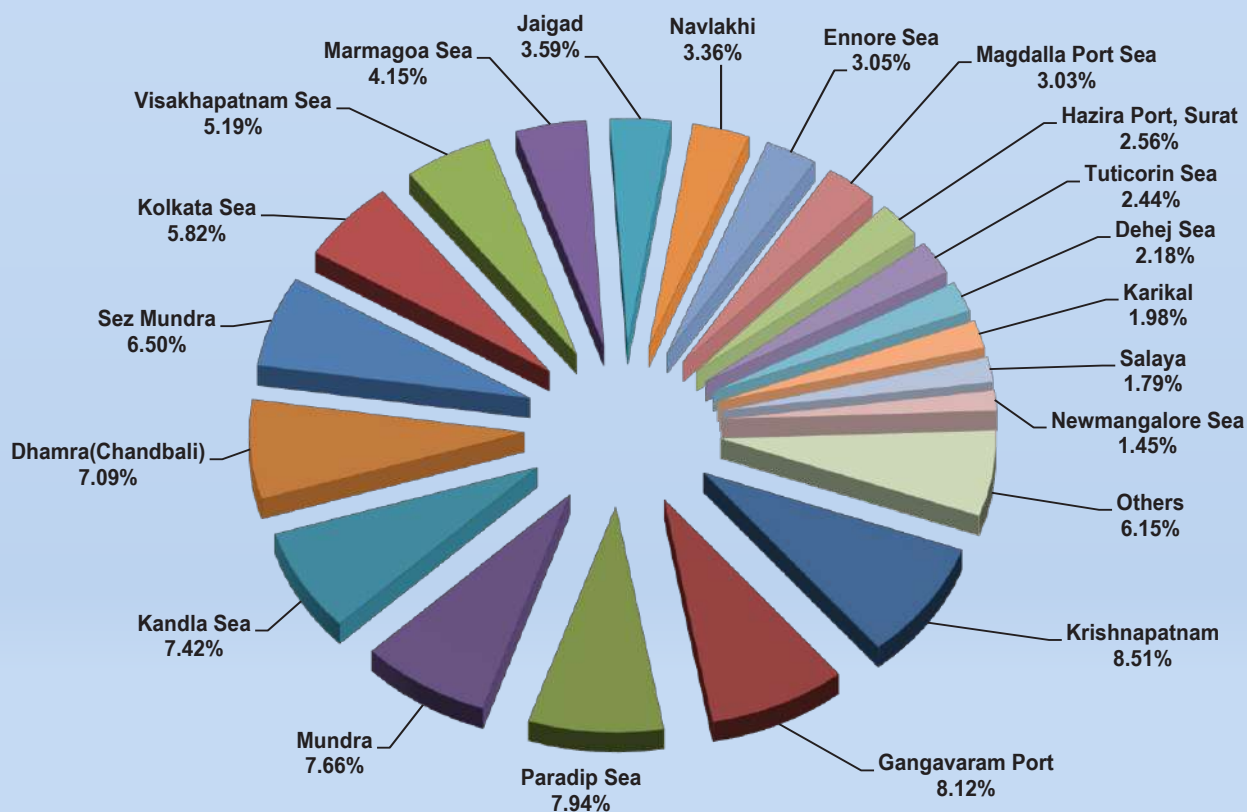
Ch.7.1: Share of Country Wise Import of Coal to India in 2020-21



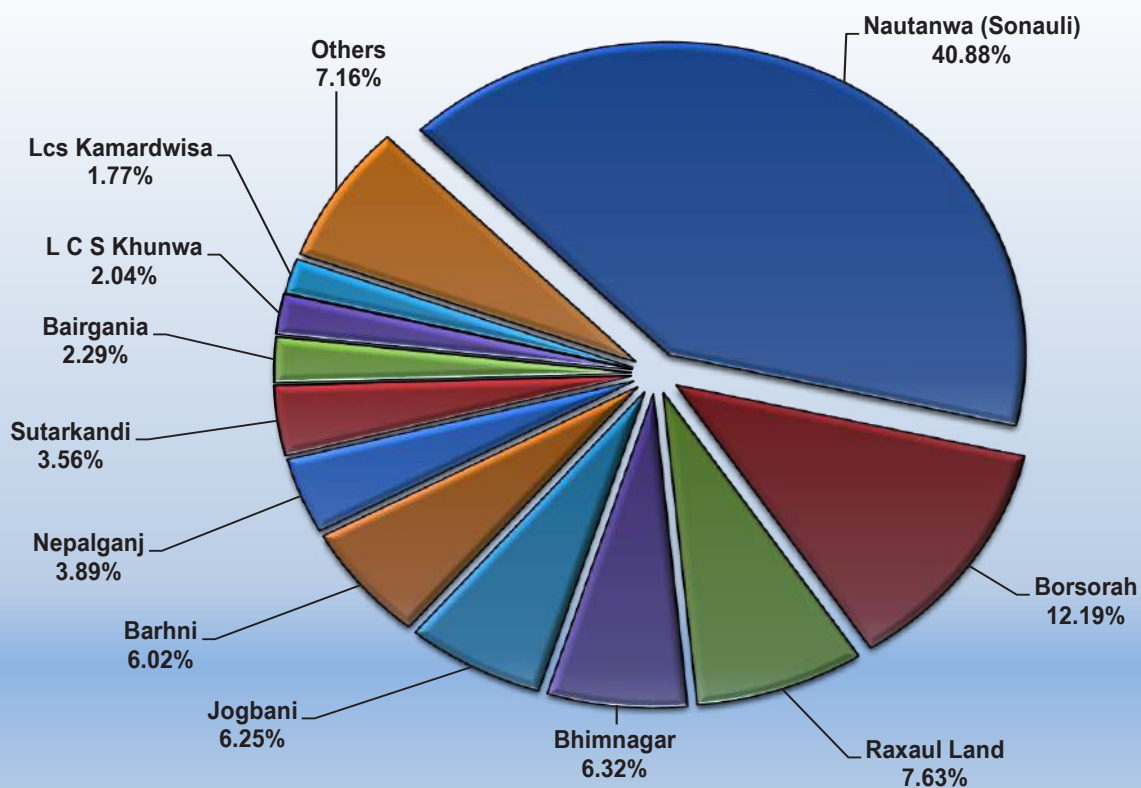
Ch.7.2: Share of Country Wise Export of Coal from India in 2020-21



Ch.7.3 : Share of Port Wise Import of Coal in 2020-21

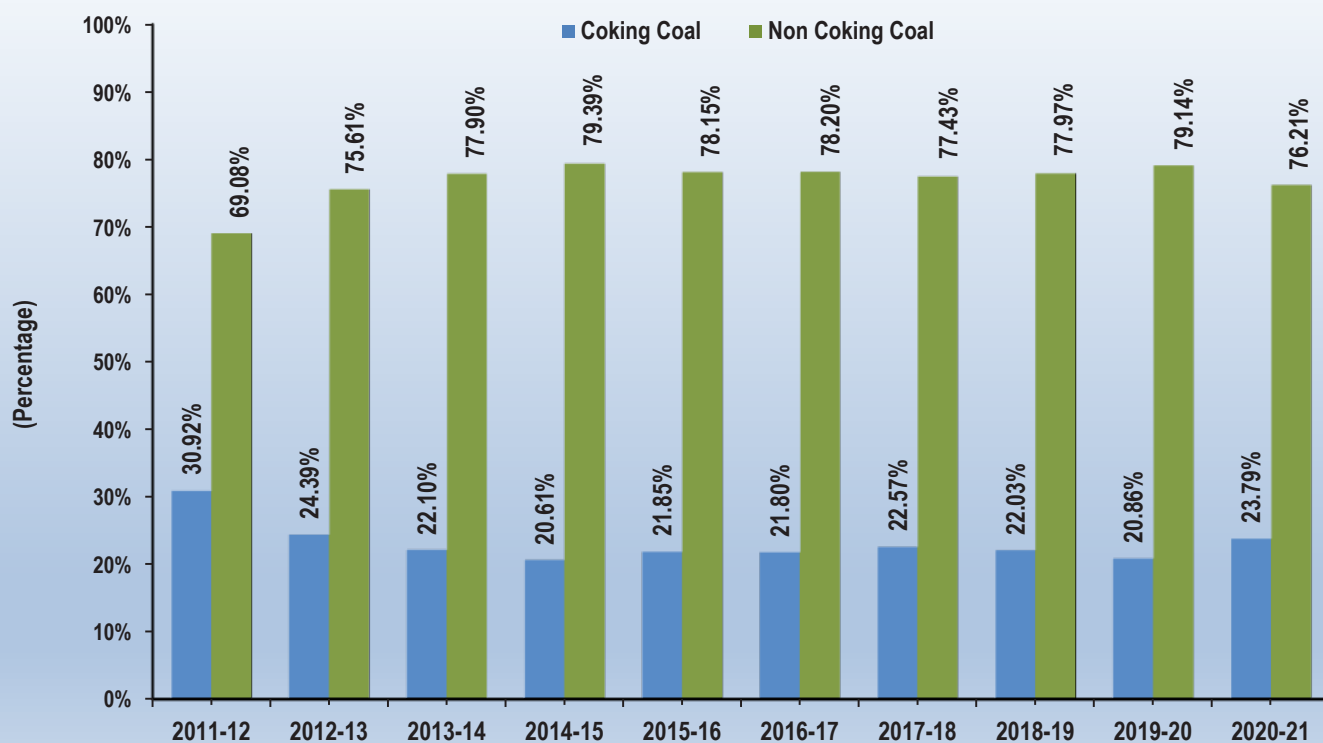


Ch.7.4 : Share of Port Wise Export of Coal in 2020-21



**Table 7.1 : Year Wise Import of Coal, Coke & Others Coal Products & Lignite to India during Last Ten Years****( Qty. in MT & Value in Million Rs.)**

| Year           | Coking Coal     |                  | Non Coking Coal  |                  | Total Coal       |                   | Coke & Others Coal Products |                 | Lignite        |               |
|----------------|-----------------|------------------|------------------|------------------|------------------|-------------------|-----------------------------|-----------------|----------------|---------------|
|                | Quantity        | Value            | Quantity         | Value            | Quantity         | Value             | Quantity                    | Value           | Quantity       | Value         |
| (1)            | (2)             | (3)              | (4)              | (5)              | (6)              | (7)               | (8)                         | (10)            | (11)           | (13)          |
| 2011-12        | 31.80101        | 424692.34        | 71.03937         | 363555.92        | <b>102.84037</b> | <b>788248.27</b>  | 1.49110                     | 31214.59        | 0.00002        | 0.47          |
| 2012-13        | 35.55697        | 378398.09        | 110.22847        | 490056.94        | <b>145.78545</b> | <b>868455.02</b>  | 2.37692                     | 47711.63        | 0.00055        | 10.22         |
| 2013-14        | 36.87214        | 348318.65        | 129.98489        | 574973.16        | <b>166.85702</b> | <b>923291.81</b>  | 3.08065                     | 56918.82        | 0.00127        | 23.73         |
| 2014-15        | 43.71529        | 337655.59        | 168.38818        | 707585.71        | <b>212.10347</b> | <b>1045241.30</b> | 4.17053                     | 67994.89        | 0.00064        | 17.03         |
| 2015-16        | 44.56117        | 282519.09        | 159.38809        | 577818.53        | <b>203.94926</b> | <b>860337.62</b>  | 3.29388                     | 43806.15        | 0.00105        | 14.83         |
| 2016-17        | 41.64379        | 412300.61        | 149.36482        | 590772.69        | <b>191.00861</b> | <b>1003073.30</b> | 3.07163                     | 32683.54        | 0.01912        | 433.29        |
| 2017-18        | 47.00325        | 595226.36        | 161.24542        | 789543.41        | <b>208.24867</b> | <b>1384769.77</b> | 4.35583                     | 54019.35        | 0.01041        | 116.50        |
| 2018-19        | 51.83768        | 720497.64        | 183.51033        | 988707.26        | <b>235.34801</b> | <b>1709204.90</b> | 4.58478                     | 91524.74        | 0.01937        | 403.43        |
| 2019-20        | 51.83275        | 612668.32        | 196.70383        | 914652.23        | <b>248.53658</b> | <b>1527320.55</b> | 4.93094                     | 120644.85       | 0.05425        | 1074.46       |
| <b>2020-21</b> | <b>51.19754</b> | <b>453552.10</b> | <b>164.05357</b> | <b>706688.44</b> | <b>215.25112</b> | <b>1160240.54</b> | <b>2.45729</b>              | <b>44688.59</b> | <b>0.01886</b> | <b>409.24</b> |

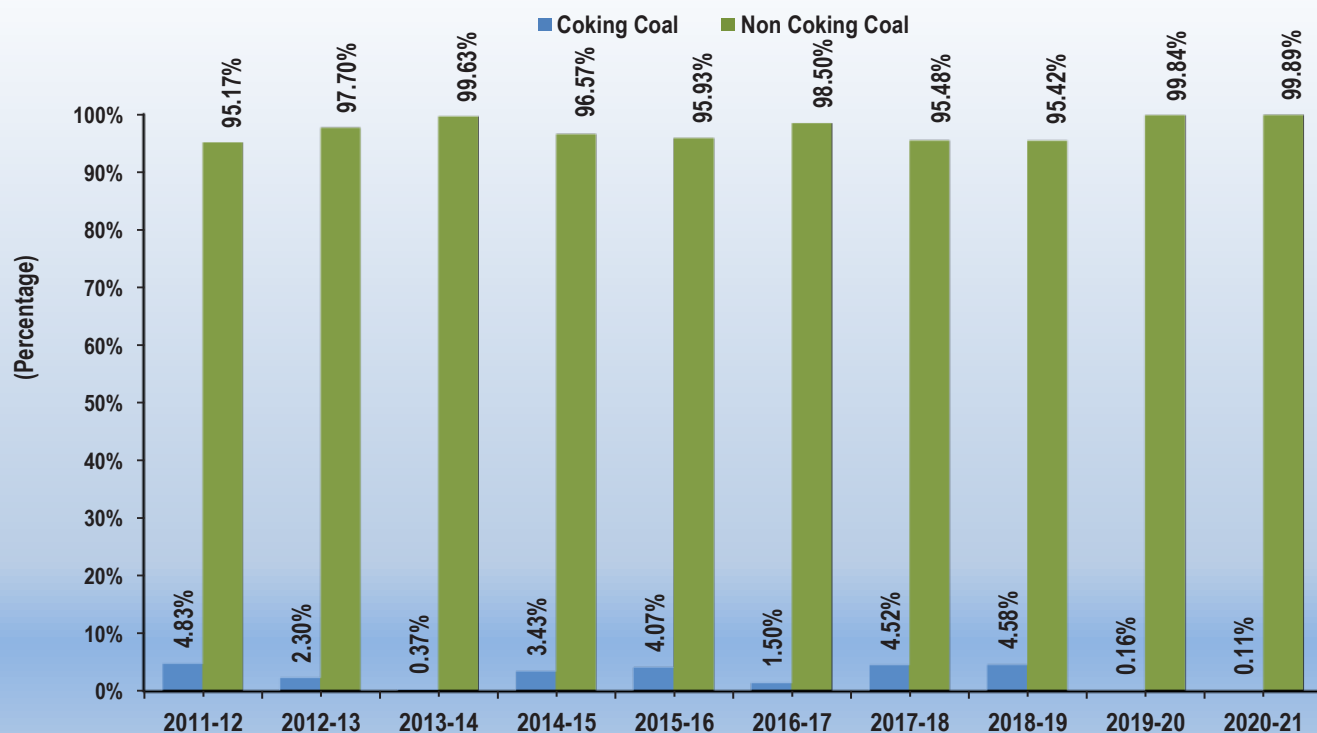
**Year Wise Import of Coking & Non Coking Coal to India During Last Ten Years**

Source: DGCI &amp; S

**Table 7.2 : Year Wise Export of Coal, Coke & Others Coal Products & Lignite from India during Last Ten Years**  
( Qty. in MT & Value in Million Rs.)

| Year           | Coking Coal    |              | Non Coking Coal |                | Total Coal     |                 | Coke & Others Coal Products |               | Lignite        |                |
|----------------|----------------|--------------|-----------------|----------------|----------------|-----------------|-----------------------------|---------------|----------------|----------------|
|                | Quantity       | Value        | Quantity        | Value          | Quantity       | Value           | Quantity                    | Value         | Quantity       | Value          |
| (1)            | (2)            | (3)          | (4)             | (5)            | (6)            | (7)             | (8)                         | (10)          | (11)           | (13)           |
| 2011-12        | 0.09722        | 286.72       | 1.91748         | 5525.35        | <b>2.01470</b> | <b>5812.07</b>  | 0.61336                     | 11524.78      |                |                |
| 2012-13        | 0.05621        | 302.18       | 2.38676         | 8349.02        | <b>2.44296</b> | <b>8651.19</b>  | 1.20114                     | 6017.15       | 0.06906        | 360.27         |
| 2013-14        | 0.00802        | 34.94        | 2.18006         | 10805.12       | <b>2.18808</b> | <b>10840.07</b> | 0.15385                     | 1521.38       | 0.00194        | 61.13          |
| 2014-15        | 0.04249        | 413.03       | 1.19588         | 6784.24        | <b>1.23838</b> | <b>7197.27</b>  | 0.10206                     | 1140.32       | 0.00285        | 39.81          |
| 2015-16        | 0.06410        | 650.37       | 1.51109         | 8348.06        | <b>1.57519</b> | <b>8998.43</b>  | 0.14860                     | 1493.51       | 0.00051        | 8.73           |
| 2016-17        | 0.02665        | 114.53       | 1.74600         | 9554.72        | <b>1.77265</b> | <b>9669.25</b>  | 0.08869                     | 1063.43       | 0.00538        | 305.12         |
| 2017-18        | 0.06791        | 394.41       | 1.43575         | 8388.62        | <b>1.50365</b> | <b>8783.03</b>  | 0.10725                     | 1726.21       | 0.00441        | 292.56         |
| 2018-19        | 0.05978        | 911.89       | 1.24659         | 8587.98        | <b>1.30637</b> | <b>9499.87</b>  | 0.02493                     | 228.09        | 0.07894        | 2233.19        |
| 2019-20        | 0.00164        | 13.43        | 1.02813         | 5818.65        | <b>1.02977</b> | <b>5832.07</b>  | 0.02200                     | 224.42        | 0.09266        | 2480.98        |
| <b>2020-21</b> | <b>0.00320</b> | <b>23.09</b> | <b>2.94199</b>  | <b>5712.93</b> | <b>2.94519</b> | <b>5736.02</b>  | <b>0.02532</b>              | <b>311.91</b> | <b>0.18739</b> | <b>4778.67</b> |

**Year Wise Export of Coking & Non Coking Coal from India During Last Ten Years**



Source: DGCI & S

Table 7.3 : Source Country Wise Import of Coal, Coke &amp; Others Coal Products &amp; Lignite to India during 2020-21

(Qty. in MT &amp; Value in Million Rs. &amp; US \$)

| Country         | Coking Coal     |                  |                | Non Coking Coal |                  |                | Total Coal       |                   |                 | Coke & Others Coal Products |                 |               | Lignite         |               |             |
|-----------------|-----------------|------------------|----------------|-----------------|------------------|----------------|------------------|-------------------|-----------------|-----------------------------|-----------------|---------------|-----------------|---------------|-------------|
|                 | Quantity        | Value Rs.        | Value (\$)     | Quantity        | Value Rs.        | Value (\$)     | Quantity         | Value Rs.         | Value (\$)      | Quantity                    | Value Rs.       | Value (\$)    | Quantity        | Value Rs.     | Value (\$)  |
| (1)             | (2)             | (3)              | (4)            | (5)             | (6)              | (7)            | (8)              | (9)               | (10)            | (11)                        | (12)            | (13)          | (14)            | (15)          | (16)        |
| Australia       | 36.94518        | 329648.39        | 4457.68        | 18.00760        | 97208.65         | 1318.29        | 54.95278         | 426857.04         | 5775.97         | 0.02152                     | 225.89          | 3.05          |                 |               |             |
| Austria         | 0.07680         | 656.68           | 8.92           | 0.17791         | 785.94           | 10.76          | 0.25471          | 1442.61           | 19.68           |                             |                 |               |                 |               |             |
| Baharain Is     |                 |                  |                | 0.00118         | 16.57            | 0.22           | 0.00118          | 16.57             | 0.22            | 0.00055                     | 4.82            | 0.07          |                 |               |             |
| Bangladesh Pr   |                 |                  |                | 0.33086         | 280.34           | 3.78           | 0.33086          | 280.34            | 3.78            |                             |                 |               |                 |               |             |
| Belgium         |                 |                  |                | 0.00100         | 2.08             | 0.03           | 0.00100          | 2.08              | 0.03            |                             |                 |               |                 |               |             |
| Canada          | 2.85008         | 26394.84         | 354.79         | 0.11327         | 957.02           | 12.68          | 2.96335          | 27351.85          | 367.47          | 0.00045                     | 7.27            | 0.10          |                 |               |             |
| Chile           |                 |                  |                |                 |                  |                |                  |                   |                 | 0.01136                     | 194.46          | 2.65          |                 |               |             |
| China P Rp      |                 |                  |                | 0.02549         | 755.87           | 10.17          | 0.02549          | 755.87            | 10.17           | 0.01501                     | 374.40          | 5.01          | 0.01886         | 409.24        | 5.52        |
| Colombia        |                 |                  |                | 2.35030         | 11949.44         | 157.86         | 2.35030          | 11949.44          | 157.86          | 0.51179                     | 8254.21         | 111.49        |                 |               |             |
| Cyprus          |                 |                  |                | 0.00126         | 15.19            | 0.21           | 0.00126          | 15.19             | 0.21            |                             |                 |               |                 |               |             |
| Denmark         |                 |                  |                |                 |                  |                |                  |                   |                 | 0.00136                     | 23.43           | 0.31          |                 |               |             |
| Egypt A Rp      |                 |                  |                |                 |                  |                |                  |                   |                 | 0.00500                     | 115.30          | 1.56          |                 |               |             |
| Estonia         |                 |                  |                |                 |                  |                |                  |                   |                 | 0.00032                     | 6.60            | 0.09          |                 |               |             |
| Germany         | 0.10200         | 1286.36          | 17.52          | 0.00307         | 10.40            | 0.14           | 0.10507          | 1296.76           | 17.66           | 0.00040                     | 7.83            | 0.11          |                 |               |             |
| Ghana           |                 |                  |                |                 |                  |                |                  |                   |                 |                             |                 |               |                 | 0.01          | 0.00        |
| Hong Kong       |                 |                  |                | 0.00055         | 12.09            | 0.16           | 0.00055          | 12.09             | 0.16            | 0.00006                     | 2.30            | 0.03          |                 |               |             |
| Indonesia       | 1.39758         | 10246.27         | 138.51         | 91.13700        | 331015.81        | 4467.91        | 92.53458         | 341262.08         | 4606.42         | 0.13466                     | 2877.51         | 38.81         |                 |               |             |
| Iran            |                 |                  |                |                 |                  |                |                  |                   |                 | 0.00061                     | 9.93            | 0.14          |                 |               |             |
| Ireland         |                 |                  |                |                 |                  |                |                  |                   |                 | 0.00018                     | 2.70            | 0.04          |                 |               |             |
| Italy           |                 |                  |                |                 |                  |                |                  |                   |                 | 0.00003                     | 0.93            | 0.01          |                 |               |             |
| Japan           |                 |                  |                |                 |                  |                |                  |                   |                 | 0.39656                     | 7439.35         | 100.23        |                 |               |             |
| Kazakhstan      |                 |                  |                | 0.16256         | 792.76           | 10.89          | 0.16256          | 792.76            | 10.89           |                             |                 |               |                 |               |             |
| Latvia          |                 |                  |                | 0.02980         | 262.20           | 3.52           | 0.02980          | 262.20            | 3.52            | 0.00347                     | 71.84           | 0.96          |                 |               |             |
| Lithuania       |                 |                  |                |                 |                  |                |                  |                   |                 | 0.00562                     | 132.62          | 1.80          |                 |               |             |
| Mozambique      | 1.66873         | 14318.60         | 192.45         | 1.90079         | 9173.81          | 123.89         | 3.56952          | 23492.41          | 316.34          |                             |                 |               |                 |               |             |
| Netherland      |                 |                  |                | 0.06109         | 375.61           | 5.01           | 0.06109          | 375.61            | 5.01            |                             |                 |               |                 |               |             |
| New Zealand     | 0.22451         | 1888.28          | 25.39          | 0.00164         | 29.36            | 0.40           | 0.22615          | 1917.64           | 25.79           | 0.00029                     | 5.07            | 0.07          |                 |               |             |
| Philippines     |                 |                  |                | 0.05000         | 167.44           | 2.26           | 0.05000          | 167.44            | 2.26            |                             |                 |               |                 |               |             |
| Poland          |                 |                  |                |                 |                  |                |                  |                   |                 | 0.95664                     | 18379.85        | 248.82        |                 |               |             |
| Qatar           |                 |                  |                |                 |                  |                |                  |                   |                 | 0.00248                     | 14.96           | 0.20          |                 |               |             |
| Russia          | 1.32849         | 8922.09          | 120.61         | 5.42090         | 36752.68         | 494.53         | 6.74940          | 45674.77          | 615.14          | 0.11924                     | 2235.26         | 30.17         |                 |               |             |
| Saudi Arab      |                 |                  |                | 0.07365         | 312.44           | 4.25           | 0.07365          | 312.44            | 4.25            |                             |                 |               |                 |               |             |
| Singapore       | 1.86032         | 16177.49         | 218.93         | 2.62558         | 12360.60         | 166.53         | 4.48590          | 28538.09          | 385.46          | 0.05188                     | 765.45          | 10.33         |                 |               |             |
| South Africa    |                 |                  |                | 31.09339        | 142867.13        | 1927.58        | 31.09339         | 142867.13         | 1927.58         |                             |                 |               |                 |               |             |
| Spain           |                 |                  |                | 0.19026         | 1200.76          | 16.07          | 0.19026          | 1200.76           | 16.07           | 0.00010                     | 3.19            | 0.04          |                 |               |             |
| Switzerland     | 0.45996         | 4138.86          | 55.87          | 1.50823         | 7263.11          | 98.87          | 1.96819          | 11401.97          | 154.74          | 0.21214                     | 3437.94         | 46.25         |                 |               |             |
| U Arab Emis     | 0.38822         | 2977.48          | 40.48          | 0.43703         | 1958.23          | 26.32          | 0.82526          | 4935.71           | 66.80           | 0.00466                     | 78.57           | 1.05          |                 |               |             |
| U K             | 0.00079         | 24.08            | 0.33           | 0.01125         | 87.47            | 1.17           | 0.01203          | 111.55            | 1.50            | 0.00015                     | 5.55            | 0.08          |                 |               |             |
| U S A           | 3.89487         | 36872.69         | 494.50         | 8.30863         | 49605.00         | 669.60         | 12.20350         | 86477.69          | 1164.11         |                             | 0.17            | 0.00          |                 |               |             |
| Venezuela       |                 |                  |                |                 |                  |                |                  |                   |                 | 0.00078                     | 11.18           | 0.15          |                 |               |             |
| Vietnam Soc Rep |                 |                  |                | 0.02931         | 470.45           | 6.32           | 0.02931          | 470.45            | 6.32            |                             |                 |               |                 |               |             |
| Unspecified     |                 |                  |                |                 |                  |                |                  |                   |                 |                             |                 |               |                 |               |             |
| <b>Total</b>    | <b>51.19754</b> | <b>453552.10</b> | <b>6125.98</b> | <b>164.05</b>   | <b>706688.44</b> | <b>9539.41</b> | <b>215.25112</b> | <b>1160240.54</b> | <b>15665.39</b> | <b>2.46</b>                 | <b>44688.59</b> | <b>603.62</b> | <b>0.018857</b> | <b>409.24</b> | <b>5.52</b> |

Source: DGCI &amp; S

Table 7.4 : Destination Country Wise Export of Coal, Coke &amp; Others Coal Products &amp; Lignite from India during 2020-21

(Qty. in MT &amp; Value in Million Rs. &amp; US \$)

| Country         | Coking Coal    |               |              | Non Coking Coal |                 |               | Total Coal     |                 |               | Coke & Others Coal Products |                |              | Lignite         |                 |               |
|-----------------|----------------|---------------|--------------|-----------------|-----------------|---------------|----------------|-----------------|---------------|-----------------------------|----------------|--------------|-----------------|-----------------|---------------|
|                 | Quantity       | Value Rs.     | Value (\$)   | Quantity        | Value Rs.       | Value (\$)    | Quantity       | Value Rs.       | Value (\$)    | Quantity                    | Value Rs.      | Value (\$)   | Quantity        | Value Rs.       | Value (\$)    |
| (1)             | (2)            | (3)           | (4)          | (5)             | (6)             | (7)           | (8)            | (9)             | (10)          | (11)                        | (12)           | (13)         | (14)            | (15)            | (16)          |
| Angola          |                |               |              | 0.00000         | 0.02            | 0.00          | 0.00000        | 0.02            | 0.00          |                             |                |              |                 |                 |               |
| Bangladesh Pr   | 0.00074        | 3.86          | 0.05         | 0.66407         | 734.87          | 9.99          | 0.66481        | 738.73          | 10.04         | 0.00663                     | 92.77          | 1.25         | 0.00010         | 1.34            | 0.02          |
| Bhutan          |                |               |              | 0.04790         | 472.51          | 6.39          | 0.04790        | 472.51          | 6.39          | 0.00009                     | 1.14           | 0.02         | 0.06265         | 1530.75         | 20.76         |
| Brazil          |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          |                             |                |              | 0.04050         | 964.98          | 13.26         |
| Brunei          |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          |                             |                |              | 0.00002         | 0.51            | 0.01          |
| Cameroon        |                |               |              | 0.00000         | 0.12            | 0.00          | 0.00000        | 0.12            | 0.00          |                             |                |              |                 |                 |               |
| China P Rp      |                |               |              | 0.03050         | 208.91          | 2.86          | 0.03050        | 208.91          | 2.86          |                             |                |              |                 |                 |               |
| Cote D' Ivoire  |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          | 0.00001                     | 0.10           | 0.00         |                 |                 |               |
| Finland         |                |               |              |                 | 0.03            | 0.00          | 0.00000        | 0.03            | 0.00          |                             |                |              |                 |                 |               |
| Gabon           |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          | 0.00001                     | 0.09           | 0.00         |                 |                 |               |
| Germany         |                |               |              | 0.00000         | 0.24            | 0.00          | 0.00000        | 0.24            | 0.00          |                             |                |              |                 | 0.00            | 0.00          |
| Greece          |                |               |              | 0.00002         | 0.55            | 0.01          | 0.00002        | 0.55            | 0.01          |                             |                |              |                 |                 |               |
| Indonesia       |                |               |              |                 | 0.00            | 0.00          | 0.00000        | 0.00            | 0.00          | 0.00007                     | 1.72           | 0.02         | 0.01483         | 368.73          | 5.06          |
| Japan           |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          |                             |                |              | 0.00000         | 0.04            | 0.00          |
| Jordan          |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          | 0.00006                     | 1.70           | 0.02         | 0.00023         | 6.52            | 0.09          |
| Kenya           |                |               |              | 0.00000         | 0.10            | 0.00          | 0.00000        | 0.10            | 0.00          |                             |                |              |                 |                 |               |
| Korea Rp        |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          | 0.00274                     | 76.50          | 1.04         |                 |                 |               |
| Liberia         |                |               |              |                 | 0.02            | 0.00          | 0.00000        | 0.02            | 0.00          |                             |                |              |                 |                 |               |
| Malaysia        |                |               |              | 0.00002         | 0.34            | 0.00          | 0.00002        | 0.34            | 0.00          |                             |                |              | 0.00006         | 1.71            | 0.02          |
| Maldives        |                |               |              | 0.00000         | 0.03            | 0.00          | 0.00000        | 0.03            | 0.00          |                             |                |              |                 |                 |               |
| Mauritius       |                |               |              | 0.00000         | 0.13            | 0.00          | 0.00000        | 0.13            | 0.00          |                             |                |              |                 |                 |               |
| Myanmar         |                |               |              | 0.00030         | 2.49            | 0.03          | 0.00030        | 2.49            | 0.03          |                             |                |              |                 |                 |               |
| Nepal           | 0.00246        | 19.24         | 0.26         | 2.19846         | 4274.89         | 57.89         | 2.20092        | 4294.12         | 58.15         | 0.01506                     | 120.23         | 1.63         | 0.00008         | 0.60            | 0.01          |
| Netherland      |                |               |              | 0.00003         | 0.42            | 0.01          | 0.00003        | 0.42            | 0.01          |                             |                |              |                 |                 |               |
| Oman            |                |               |              | 0.00005         | 1.36            | 0.02          | 0.00005        | 1.36            | 0.02          |                             |                |              | 0.00572         | 133.10          | 1.82          |
| Poland          |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          |                             | 0.00           | 0.00         |                 |                 |               |
| Qatar           |                |               |              | 0.00003         | 1.33            | 0.02          | 0.00003        | 1.33            | 0.02          | 0.00017                     | 4.94           | 0.07         | 0.00052         | 15.43           | 0.21          |
| Russia          |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          |                             |                |              | 0.00004         | 2.39            | 0.03          |
| Saudi Arab      |                |               |              | 0.00022         | 5.09            | 0.07          | 0.00022        | 5.09            | 0.07          | 0.00008                     | 1.94           | 0.03         | 0.00158         | 159.21          | 2.14          |
| Singapore       |                |               |              | 0.00002         | 0.68            | 0.01          | 0.00002        | 0.68            | 0.01          |                             |                |              | 0.00015         | 22.43           | 0.31          |
| South Africa    |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          | 0.00006                     | 2.41           | 0.03         | 0.00003         | 1.20            | 0.02          |
| Sri Lanka Dsr   |                |               |              | 0.00000         | 0.26            | 0.00          | 0.00000        | 0.26            | 0.00          |                             |                |              | 0.00021         | 6.74            | 0.09          |
| Sudan           |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          | 0.00020                     | 3.27           | 0.04         |                 |                 |               |
| Tanzania Rep    |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          | 0.00004                     | 1.76           | 0.02         |                 |                 |               |
| Thailand        |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          |                             |                |              | 0.00002         | 2.55            | 0.03          |
| Turkey          |                |               |              |                 | 0.00            | 0.00          | 0.00000        | 0.00            | 0.00          |                             |                |              |                 |                 |               |
| U Arab Emis     |                |               |              | 0.00035         | 8.17            | 0.11          | 0.00035        | 8.17            | 0.11          | 0.00003                     | 0.27           | 0.00         | 0.00005         | 7.54            | 0.10          |
| U S A           |                |               |              |                 | 0.03            | 0.00          | 0.00000        | 0.03            | 0.00          | 0.00008                     | 3.08           | 0.04         |                 | 0.00            | 0.00          |
| Uganda          |                |               |              | 0.00000         | 0.29            | 0.00          | 0.00000        | 0.29            | 0.00          |                             |                |              |                 |                 |               |
| Ukraine         |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          |                             |                |              | 0.00012         | 5.16            | 0.07          |
| Vietnam Soc Rep |                |               |              | 0.00000         | 0.05            | 0.00          | 0.00000        | 0.05            | 0.00          |                             |                |              | 0.06050         | 1547.73         | 21.24         |
| Unspecified     |                |               |              |                 |                 |               | 0.00000        | 0.00            | 0.00          |                             |                |              |                 |                 |               |
| <b>TOTAL</b>    | <b>0.00320</b> | <b>23.094</b> | <b>0.313</b> | <b>2.94</b>     | <b>5712.930</b> | <b>77.418</b> | <b>2.94519</b> | <b>5736.023</b> | <b>77.731</b> | <b>0.03</b>                 | <b>311.913</b> | <b>4.233</b> | <b>0.187391</b> | <b>4778.670</b> | <b>65.278</b> |

Source: DGCI &amp; S

Table 7.5 : Destination Port Wise Import of Coal, Coke &amp; Others Coal Products &amp; Lignite to India during 2020-21

(Qty. in MT &amp; Value in Million Rs. &amp; US \$)

| Port                           | Coking Coal     |                  |                | Non Coking Coal  |                  |                | Total Coal       |                   |                 | Coke & Others Coal Products |                 |               | Lignite        |               |             |
|--------------------------------|-----------------|------------------|----------------|------------------|------------------|----------------|------------------|-------------------|-----------------|-----------------------------|-----------------|---------------|----------------|---------------|-------------|
|                                | Quantity        | Value Rs.        | Value (\$)     | Quantity         | Value Rs.        | Value (\$)     | Quantity         | Value Rs.         | Value (\$)      | Quantity                    | Value Rs.       | Value (\$)    | Quantity       | Value Rs.     | Value (\$)  |
| (1)                            | (2)             | (3)              | (4)            | (5)              | (6)              | (7)            | (8)              | (9)               | (10)            | (11)                        | (12)            | (13)          | (14)           | (15)          | (16)        |
| Agartala                       |                 |                  |                | 0.01761          | 155.10           | 2.08           | 0.01761          | 155.10            | 2.08            |                             |                 |               |                |               |             |
| Applic Multi Prod Sez Vizag Dc |                 |                  |                | 0.23400          | 924.39           | 12.50          | 0.23400          | 924.39            | 12.50           | 0.04709                     | 788.61          | 10.61         |                |               |             |
| Bangalore Airport              |                 | 0.15             | 0.00           |                  |                  |                | 0.00000          | 0.15              | 0.00            |                             | 0.03            | 0.00          |                |               |             |
| Bedi Sea                       | 0.04700         | 458.31           | 6.27           | 0.23450          | 975.24           | 13.27          | 0.28150          | 1433.55           | 19.54           |                             |                 |               |                |               |             |
| Bhavnagar                      |                 |                  |                | 1.41682          | 5036.22          | 67.94          | 1.41682          | 5036.22           | 67.94           |                             |                 |               |                |               |             |
| Chennai Air                    |                 |                  |                | 0.00000          | 0.02             | 0.00           | 0.00000          | 0.02              | 0.00            |                             |                 |               |                |               |             |
| Chennai Sea                    | 0.00058         | 17.55            | 0.24           | 0.00997          | 286.40           | 3.82           | 0.01055          | 303.95            | 4.06            | 0.00293                     | 83.05           | 1.12          | 0.00993        | 163.86        | 2.23        |
| Cochin Sea                     |                 |                  |                | 0.00018          | 6.58             | 0.09           | 0.00018          | 6.58              | 0.09            |                             |                 |               |                |               |             |
| Concor Icd Naya Raipur         |                 |                  |                | 0.00031          | 8.78             | 0.12           | 0.00031          | 8.78              | 0.12            |                             |                 |               |                |               |             |
| Concor Icd/Mmlp Khapri Nagpur  |                 |                  |                | 0.00218          | 71.62            | 0.96           | 0.00218          | 71.62             | 0.96            |                             |                 |               |                |               |             |
| Dehej Sea                      |                 |                  |                | 4.69082          | 17226.70         | 233.01         | 4.69082          | 17226.70          | 233.01          |                             |                 |               |                |               |             |
| Delhi (Icd)                    |                 |                  |                |                  |                  |                | 0.00000          | 0.00              | 0.00            | 0.00239                     | 71.08           | 0.98          |                |               |             |
| Delhi Air                      |                 |                  |                | 0.00001          | 0.77             | 0.01           | 0.00001          | 0.77              | 0.01            |                             | 0.23            | 0.00          |                |               |             |
| Dhahanu Sea                    |                 |                  |                | 0.41135          | 1695.58          | 22.93          | 0.41135          | 1695.58           | 22.93           |                             |                 |               |                |               |             |
| Dhamra(Chandbali)              | 8.27320         | 73803.69         | 996.41         | 6.99502          | 40236.70         | 543.45         | 15.26822         | 114040.39         | 1539.86         |                             |                 |               |                |               |             |
| Dharmatar Sea                  |                 |                  |                | 2.56913          | 9749.42          | 131.54         | 2.56913          | 9749.42           | 131.54          |                             |                 |               |                |               |             |
| Ennore Sea                     | 0.85935         | 7696.99          | 104.63         | 5.70395          | 21392.52         | 289.34         | 6.56330          | 29089.51          | 393.97          |                             |                 |               | 0.00132        | 21.19         | 0.28        |
| Gangavaram Port                | 4.48199         | 38293.81         | 518.35         | 12.99593         | 60310.79         | 814.82         | 17.47793         | 98604.60          | 1333.16         |                             |                 |               |                |               |             |
| Gopalpur Port                  | 0.24331         | 1651.00          | 22.39          | 0.48350          | 2201.80          | 29.88          | 0.72680          | 3852.80           | 52.27           | 0.03257                     | 579.99          | 7.88          |                |               |             |
| Hazira Port, Surat             |                 |                  |                | 5.50349          | 17166.69         | 231.81         | 5.50349          | 17166.69          | 231.81          |                             |                 |               |                |               |             |
| Htpl Kilaraipur Icd            |                 |                  |                | 0.00022          | 5.03             | 0.07           | 0.00022          | 5.03              | 0.07            |                             |                 |               |                |               |             |
| Hyderabad Airport              | 0.00000         | 0.08             | 0.00           | 0.00000          | 0.01             | 0.00           | 0.00000          | 0.08              | 0.00            |                             |                 |               |                |               |             |
| Icd Bhusawal                   |                 |                  |                |                  |                  |                | 0.00000          | 0.00              | 0.00            | 0.00136                     | 23.42           | 0.31          |                |               |             |
| Icd Chowpayal                  |                 |                  |                | 0.00010          | 1.62             | 0.02           | 0.00010          | 1.62              | 0.02            |                             |                 |               |                |               |             |
| Icd Concor Jharsuguda          |                 |                  |                | 0.00025          | 2.93             | 0.04           | 0.00025          | 2.93              | 0.04            |                             |                 |               |                |               |             |
| Icd Dhandari Kalan, Pswc       |                 |                  |                | 0.00016          | 4.43             | 0.06           | 0.00016          | 4.43              | 0.06            |                             |                 |               |                |               |             |
| Icd Durgapur, Wb               |                 |                  |                | 0.00028          | 3.28             | 0.04           | 0.00028          | 3.28              | 0.04            | 0.00081                     | 12.79           | 0.18          |                |               |             |
| Icd Jaipur                     |                 |                  |                | 0.00748          | 89.18            | 1.21           | 0.00748          | 89.18             | 1.21            |                             |                 |               |                |               |             |
| Icd Ludhiana                   |                 |                  |                | 0.00009          | 2.35             | 0.03           | 0.00009          | 2.35              | 0.03            |                             |                 |               |                |               |             |
| Icd Rewari                     |                 |                  |                |                  |                  |                | 0.00000          | 0.00              | 0.00            | 0.00003                     | 0.63            | 0.01          |                |               |             |
| Icd Sahnewal, Grfl             |                 |                  |                | 0.00049          | 11.09            | 0.15           | 0.00049          | 11.09             | 0.15            |                             |                 |               |                |               |             |
| Icd Tuticorin                  |                 |                  |                | 0.00006          | 2.33             | 0.03           | 0.00006          | 2.33              | 0.03            |                             |                 |               |                |               |             |
| Jabilant Infra Ltd Kandla      |                 |                  |                | 0.00300          | 8.26             | 0.11           | 0.00300          | 8.26              | 0.11            |                             |                 |               |                |               |             |
| Jaigad                         | 3.98603         | 35064.35         | 473.52         | 3.74178          | 18308.73         | 247.14         | 7.72781          | 53373.08          | 720.66          |                             |                 |               |                |               |             |
| Jakhav                         |                 |                  |                | 0.52727          | 2403.35          | 32.50          | 0.52727          | 2403.35           | 32.50           |                             |                 |               |                |               |             |
| Kakinada Sea                   | 0.27671         | 2069.42          | 28.31          | 0.83323          | 3314.17          | 44.72          | 1.10994          | 5383.58           | 73.04           |                             |                 |               |                |               |             |
| Kandla Sea                     | 0.84221         | 7729.24          | 104.80         | 15.13140         | 69024.95         | 931.63         | 15.97361         | 76754.20          | 1036.43         | 0.00514                     | 118.33          | 1.60          |                |               |             |
| Karikal                        | 0.38677         | 3303.02          | 44.36          | 3.88576          | 15554.25         | 210.13         | 4.27253          | 18857.28          | 254.49          |                             |                 |               |                |               |             |
| Kattupalli Port/ Tiruvallur    |                 |                  |                |                  |                  |                | 0.00000          | 0.00              | 0.00            |                             |                 |               | 0.00051        | 7.38          | 0.10        |
| Kodinar Sea                    |                 |                  |                | 0.38124          | 1703.58          | 23.33          | 0.38124          | 1703.58           | 23.33           |                             |                 |               |                |               |             |
| Kolkata Air                    |                 | 0.34             | 0.00           | 0.00011          | 1.13             | 0.02           | 0.00011          | 1.47              | 0.02            |                             | 0.00            | 0.00          |                |               |             |
| Kolkata Sea                    | 7.06796         | 63794.89         | 862.48         | 5.46479          | 28101.81         | 379.86         | 12.53275         | 91896.70          | 1242.33         | 0.37697                     | 6407.66         | 86.71         | 0.00273        | 44.17         | 0.59        |
| Krishnapatnam                  | 3.28299         | 26285.34         | 355.56         | 15.04027         | 60096.89         | 809.31         | 18.32326         | 86382.23          | 1164.87         | 0.12064                     | 2280.19         | 30.94         |                |               |             |
| Lcs Mahurighat                 |                 |                  |                | 0.00589          | 50.51            | 0.69           | 0.00589          | 50.51             | 0.69            |                             |                 |               |                |               |             |
| Magdalla Port Sea              |                 |                  |                | 6.52590          | 28239.48         | 382.58         | 6.52590          | 28239.48          | 382.58          | 1.07029                     | 20318.99        | 274.45        |                |               |             |
| Marmagao Sea                   | 5.83726         | 50753.24         | 683.12         | 3.10374          | 17389.28         | 234.66         | 8.94100          | 68142.52          | 917.78          |                             |                 |               |                |               |             |
| Mumbai Air                     | 0.00001         | 0.36             | 0.00           | 0.00007          | 1.74             | 0.02           | 0.00008          | 2.09              | 0.03            |                             | 0.09            | 0.00          |                | 0.01          | 0.00        |
| Mumbai Sea                     |                 |                  |                | 1.70459          | 7896.94          | 106.57         | 1.70459          | 7896.94           | 106.57          |                             |                 |               |                |               |             |
| Mundra                         | 0.54890         | 5515.92          | 74.55          | 15.94719         | 72192.50         | 972.49         | 16.49608         | 77708.42          | 1047.04         | 0.00063                     | 10.35           | 0.14          |                |               |             |
| Navlakhi                       |                 |                  |                | 7.23729          | 22792.27         | 308.54         | 7.23729          | 22792.27          | 308.54          |                             |                 |               |                |               |             |
| New Mangalore Sea              | 0.03992         | 409.02           | 5.62           | 3.08594          | 14137.02         | 190.57         | 3.12586          | 14546.04          | 196.19          | 0.15308                     | 3253.00         | 43.77         |                |               |             |
| Nhava Sheva Sea                |                 |                  |                | 0.00424          | 134.85           | 1.83           | 0.00424          | 134.85            | 1.83            | 0.00909                     | 164.61          | 2.22          | 0.00068        | 5.74          | 0.08        |
| Okha                           | 0.10697         | 928.58           | 12.61          | 0.77348          | 3536.00          | 47.77          | 0.88045          | 4464.58           | 60.39           |                             |                 |               |                |               |             |
| Paradip Sea                    | 9.51412         | 86167.21         | 1163.41        | 7.57538          | 41329.15         | 557.32         | 17.08950         | 127496.37         | 1720.73         | 0.09633                     | 1676.08         | 22.61         |                |               |             |
| Parri Infra Co Pvt Ltd         |                 |                  |                | 0.09000          | 224.36           | 3.02           | 0.09000          | 224.36            | 3.02            |                             |                 |               |                |               |             |
| Pipavab(Vicor)                 | 0.05077         | 476.80           | 6.54           | 1.02226          | 4734.43          | 64.12          | 1.07303          | 5211.23           | 70.66           | 0.09612                     | 1536.02         | 20.86         |                |               |             |
| Porbandar                      |                 |                  |                | 0.51581          | 2204.02          | 29.85          | 0.51581          | 2204.02           | 29.85           |                             |                 |               |                |               |             |
| Ranpar                         |                 |                  |                | 0.11159          | 341.47           | 4.53           | 0.11159          | 341.47            | 4.53            |                             |                 |               |                |               |             |
| Revdanda                       |                 |                  |                | 0.53432          | 2181.63          | 29.50          | 0.53432          | 2181.63           | 29.50           |                             |                 |               |                |               |             |
| Salaya                         |                 |                  |                | 3.84291          | 13322.20         | 179.22         | 3.84291          | 13322.20          | 179.22          |                             |                 |               |                |               |             |
| Saraf Agencies Pvt Ltd         |                 |                  |                | 0.00330          | 45.86            | 0.60           | 0.00330          | 45.86             | 0.60            |                             |                 |               |                |               |             |
| Sez Dahej                      |                 |                  |                | 0.00500          | 12.98            | 0.17           | 0.00500          | 12.98             | 0.17            | 0.00005                     | 1.68            | 0.02          |                |               |             |
| Sez Jamnagar (Reliance)        |                 |                  |                | 0.29895          | 1198.02          | 16.29          | 0.29895          | 1198.02           | 16.29           |                             |                 |               |                |               |             |
| Sez Mundra                     |                 |                  |                | 13.99543         | 57680.60         | 779.57         | 13.99543         | 57680.60          | 779.57          |                             |                 |               |                |               |             |
| Srimantapur                    |                 |                  |                | 0.30736          | 74.73            | 1.01           | 0.30736          | 74.73             | 1.01            |                             |                 |               |                |               |             |
| Tuticorin Sea                  |                 |                  |                | 5.25541          | 17496.31         | 235.24         | 5.25541          | 17496.31          | 235.24          | 0.00193                     | 131.13          | 1.74          | 0.00225        | 141.86        | 1.92        |
| Visakhapatnam Sea              | 5.35149         | 49132.79         | 662.80         | 5.82085          | 23387.37         | 315.29         | 11.17234         | 72520.17          | 978.08          | 0.43988                     | 7230.64         | 97.48         | 0.00143        | 25.04         | 0.33        |
| Unspecified                    |                 |                  |                |                  |                  |                | 0.00000          | 0.00              | 0.00            |                             |                 |               |                |               |             |
| <b>Total</b>                   | <b>51.19754</b> | <b>453552.10</b> | <b>6125.98</b> | <b>164.05357</b> | <b>706688.44</b> | <b>9539.41</b> | <b>215.25112</b> | <b>1160240.54</b> | <b>15665.39</b> | <b>2.45729</b>              | <b>44688.59</b> | <b>603.62</b> | <b>0.01886</b> | <b>409.24</b> | <b>5.52</b> |

Source: DGCI &amp; S

Table 7.6 : Port Wise Export of Coal, Coke &amp; Others Coal Products &amp; Lignite from India during 2020-21

(Qty. in MT &amp; Value in Million Rs. &amp; US \$)

| Port                          | Coking Coal    |              |             | Non Coking Coal |                |              | Total Coal     |                |              | Coke & Others Coal Products |               |             | Lignite        |                |              |
|-------------------------------|----------------|--------------|-------------|-----------------|----------------|--------------|----------------|----------------|--------------|-----------------------------|---------------|-------------|----------------|----------------|--------------|
|                               | Quantity       | Value Rs.    | Value (\$)  | Quantity        | Value Rs.      | Value (\$)   | Quantity       | Value Rs.      | Value (\$)   | Quantity                    | Value Rs.     | Value (\$)  | Quantity       | Value Rs.      | Value (\$)   |
| (1)                           | (2)            | (3)          | (4)         | (5)             | (6)            | (7)          | (8)            | (9)            | (10)         | (11)                        | (12)          | (13)        | (14)           | (15)           | (16)         |
| Ahmedabad Air Cargo Complex   |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         |                             |               |             |                | 0.01           | 0.00         |
| Barhni                        | 0.00133        | 9.86         | 0.13        | 0.07978         | 562.34         | 7.62         | 0.08111        | 572.20         | 7.75         | 0.00013                     | 0.69          | 0.01        |                |                |              |
| Borsorah                      | 0.00048        | 2.45         | 0.03        | 0.09470         | 482.73         | 6.54         | 0.09518        | 485.18         | 6.58         |                             |               |             |                |                |              |
| Cfs Nashik                    |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         | 0.00002                     | 0.19          | 0.00        |                |                |              |
| Chasuapara                    | 0.00002        | 0.10         | 0.00        | 0.03282         | 172.70         | 2.36         | 0.03284        | 172.79         | 2.36         |                             |               |             |                |                |              |
| Chennai Air                   |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         |                             |               |             |                | 0.00           | 0.00         |
| Chennai Sea                   |                |              |             | 0.00002         | 0.45           | 0.01         | 0.00002        | 0.45           | 0.01         |                             |               |             |                | 0.00           | 0.00         |
| Concor Icd/Mmlp Khapri Nagpur |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         |                             |               |             | 0.00006        | 1.71           | 0.02         |
| Darranga (Rangia)             |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         | 0.00009                     | 1.14          | 0.02        | 0.01099        | 262.87         | 3.56         |
| Delhi (Icd)                   |                |              |             |                 | 0.03           | 0.00         | 0.00000        | 0.03           | 0.00         |                             |               |             |                |                |              |
| Delhi Air                     |                |              |             |                 | 0.03           | 0.00         | 0.00000        | 0.03           | 0.00         |                             | 0.00          | 0.00        |                |                |              |
| Dhamra(Chandbali)             |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         |                             |               |             | 0.04050        | 964.98         | 13.26        |
| Golokgans Rly.Stn             |                |              |             | 0.00311         | 16.45          | 0.22         | 0.00311        | 16.45          | 0.22         |                             |               |             |                |                |              |
| Gouriphanta                   |                |              |             | 1.57532         | 90.59          | 1.23         | 1.57532        | 90.59          | 1.23         |                             |               |             |                |                |              |
| Hatisar (Deosiri)             |                |              |             | 0.00208         | 23.60          | 0.32         | 0.00208        | 23.60          | 0.32         |                             |               |             |                |                |              |
| Hazira Port, Surat            |                |              |             | 0.00043         | 5.55           | 0.08         | 0.00043        | 5.55           | 0.08         |                             |               |             |                |                |              |
| Icd Ludhiana                  |                |              |             |                 | 0.02           | 0.00         | 0.00000        | 0.02           | 0.00         |                             |               |             |                |                |              |
| Icd Pakwara Moradabad/Meerut  |                |              |             | 0.00000         | 0.11           | 0.00         | 0.00000        | 0.11           | 0.00         |                             |               |             |                |                |              |
| Icd Patli                     |                |              |             | 0.00000         | 0.02           | 0.00         | 0.00000        | 0.02           | 0.00         |                             |               |             |                |                |              |
| Icd Sabarmati                 |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         |                             |               |             |                | 0.00           | 0.00         |
| Icd Vadodara/Baroda           |                |              |             | 0.00000         | 0.13           | 0.00         | 0.00000        | 0.13           | 0.00         |                             |               |             |                |                |              |
| Jaigaon                       |                |              |             |                 | 0.00           | 0.00         | 0.00000        | 0.00           | 0.00         |                             |               |             | 0.05168        | 1268.39        | 17.20        |
| Jogbani                       |                |              |             | 0.00013         | 0.37           | 0.01         | 0.00013        | 0.37           | 0.01         | 0.00098                     | 9.64          | 0.13        |                |                |              |
| Joynagar                      |                |              |             |                 | 0.00           | 0.00         | 0.00000        | 0.00           | 0.00         |                             |               |             |                |                |              |
| Kandla Sea                    |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         |                             |               |             | 0.01483        | 364.05         | 5.00         |
| Kattupalli Port/ Tiruvallur   |                |              |             |                 | 0.00           | 0.00         | 0.00000        | 0.00           | 0.00         |                             |               |             |                |                |              |
| Kolkata Air                   |                |              |             | 0.00000         | 0.24           | 0.00         | 0.00000        | 0.24           | 0.00         |                             |               |             |                |                |              |
| Kolkata Sea                   |                |              |             | 0.00006         | 1.62           | 0.02         | 0.00006        | 1.62           | 0.02         | 0.00036                     | 7.68          | 0.10        | 0.00903        | 217.93         | 2.99         |
| Krishnapatnam                 |                |              |             | 0.03050         | 208.91         | 2.86         | 0.03050        | 208.91         | 2.86         |                             |               |             |                |                |              |
| L C S Khunwa                  |                |              |             | 0.08512         | 364.83         | 4.95         | 0.08512        | 364.83         | 4.95         |                             |               |             |                |                |              |
| Lcs Birpara Alipurduar        |                |              |             | 0.00002         | 0.24           | 0.00         | 0.00002        | 0.24           | 0.00         |                             |               |             |                |                |              |
| Lcs Kamardwisa                |                |              |             | 0.04580         | 448.68         | 6.07         | 0.04580        | 448.68         | 6.07         |                             |               |             |                |                |              |
| Marmagosa Sea                 |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         |                             |               |             | 0.02000        | 487.30         | 6.67         |
| Mumbai Air                    |                |              |             |                 | 0.00           | 0.00         | 0.00000        | 0.00           | 0.00         |                             |               |             |                |                |              |
| Mundra                        |                |              |             | 0.00050         | 11.04          | 0.15         | 0.00050        | 11.04          | 0.15         | 0.00340                     | 93.14         | 1.27        | 0.00295        | 254.50         | 3.43         |
| Nautanwa (Sonauli)            | 0.00084        | 7.06         | 0.10        | 0.29636         | 1972.27        | 26.63        | 0.29720        | 1979.32        | 26.73        | 0.00081                     | 5.69          | 0.08        |                |                |              |
| Nepalganj                     | 0.00029        | 2.32         | 0.03        | 0.14487         | 1153.84        | 15.67        | 0.14516        | 1156.17        | 15.70        | 0.00088                     | 7.36          | 0.10        | 0.00002        | 0.07           | 0.00         |
| Nhava Sheva Sea               |                |              |             | 0.00005         | 2.50           | 0.03         | 0.00005        | 2.50           | 0.03         | 0.00006                     | 2.03          | 0.03        | 0.00018        | 8.19           | 0.11         |
| Panitanki                     |                |              |             | 0.00000         | 0.03           | 0.00         | 0.00000        | 0.03           | 0.00         | 0.00798                     | 63.06         | 0.86        | 0.00005        | 0.54           | 0.01         |
| Paradip Sea                   |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         |                             |               |             | 0.03150        | 843.70         | 11.60        |
| Petrapole Land                | 0.00024        | 1.31         | 0.02        | 0.00283         | 17.03          | 0.23         | 0.00307        | 18.34          | 0.24         | 0.00633                     | 87.50         | 1.18        | 0.00010        | 1.34           | 0.02         |
| Raxaul Land                   |                |              |             | 0.00003         | 0.14           | 0.00         | 0.00003        | 0.14           | 0.00         | 0.00429                     | 33.81         | 0.46        |                |                |              |
| Sursand                       |                |              |             | 0.52986         | 42.19          | 0.58         | 0.52986        | 42.19          | 0.58         |                             |               |             |                |                |              |
| Sutarkandi                    |                |              |             | 0.00075         | 3.77           | 0.05         | 0.00075        | 3.77           | 0.05         |                             |               |             |                |                |              |
| Tikunia                       |                |              |             | 0.00141         | 11.24          | 0.15         | 0.00141        | 11.24          | 0.15         |                             |               |             |                |                |              |
| Toothibari, Maharajganj       |                |              |             | 0.01545         | 119.24         | 1.62         | 0.01545        | 119.24         | 1.62         |                             |               |             |                |                |              |
| Visakhapatnam Sea             |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         |                             |               |             | 0.00550        | 103.10         | 1.41         |
| Unspecified                   |                |              |             |                 |                |              | 0.00000        | 0.00           | 0.00         |                             |               |             |                |                |              |
| <b>TOTAL</b>                  | <b>0.00320</b> | <b>23.09</b> | <b>0.31</b> | <b>2.94199</b>  | <b>5712.93</b> | <b>77.42</b> | <b>2.94519</b> | <b>5736.02</b> | <b>77.73</b> | <b>0.02532</b>              | <b>311.91</b> | <b>4.23</b> | <b>0.18739</b> | <b>4778.67</b> | <b>65.28</b> |

Source: DGCI &amp; S

# 8

## Washery Performance



# Section VIII

## Washery Performance

### 8.1 Washery Performance of Coal in India

**8.1.1** Demand of Power, Steel and Cement in a developing country is closely related to its economic growth. Coal is one of the main inputs for steel, thermal power and cement industry. That is why distribution of coal in adequate quantity and quality to power sector followed by steel and cement manufacturing sector is considered a priority in Indian Coal Industry.

**8.1.2** In blast furnace, iron ore, hard coke and limestone are used and hot air is injected into the base of the furnace. The molten iron or hot metal is periodically tapped and sent along with steel scrap and more lime stone to Basic Oxygen Furnace (BOF) to produce almost pure liquid steel. To economise on coking coal consumption, non-coking coal in pulverized form is sometime injected along with hot air. Here coke supplies carbon which acts as a reducing agent of iron ore as well as provides heat to melt the iron.

**8.1.3** Coking coal when heated in absence of air, it softens, liquefies and resolidifies into hard but porous lumps called Hard Coke. Hard Coke is made in Coke Oven Batteries by high temperature carbonization (HTC). For manufacturing of hard coke, coking coal must have very low ash content, preferably within 19% and also low sulfur and phosphorous.

**8.1.4** Generally Indian coking coal is characterised by high ash and low Sulphur contents and therefore is not considered to be of adequate quality for steel plant. The quality of coal can be improved through the mechanism of washing but cost of washing, at times, is so high that it becomes uneconomical for commercial purpose that is why, major share of total coking coal produced indigenously go for use for metallurgical purpose.

**8.1.5** Imported coking coal having low ash content is blended with indigenous coking coal for better use. Moreover, indigenous coking coal is washed in different washeries owned by various coal companies and integrated steel plants to reduce the ash content to make it suitable for use in the steel plant. In the process of washing, besides washed coal or clean coal by-products like middling and rejects/slurries are obtained. Middling so obtained is mostly used in the power sector.

### 8.2 Contribution of Coal Washeries

**8.2.1** We have already explained the role of washeries in coal industry. Table 8.1 provides data on coking coal washeries in India in 2020-21. It may be seen that the total capacity of the coking coal washeries was 29.98 MTA. The share of public sector was 21.98 MTA and private sector 8.00 MTA.

**8.2.2** Table 8.2 shows performance of coking coal washeries for last three years. It may be seen that the performance has been more or less static in the last three years of 2018-2019, 2019-20 and 2020-21 having washed coking coal production of 5.570 MT and 5.250 MT and 4.422 MT respectively. The corresponding yield percentages were 47%, 48% and 46% respectively.

**8.2.3** Table 8.3 provides details of non-coking coal washeries in public sector and private sector and their installed capacities. Table 8.4 records the performance of these non coking washeries for last three years.

Table 8.1: Coking Coal Washeries in India During 2020-21

| Sector               | Owner Company                 | Name of Washery | Year of Commissioning | Feed Type | State       | Location/ Coalfield | Raw Coal Capacity (MTPA) |
|----------------------|-------------------------------|-----------------|-----------------------|-----------|-------------|---------------------|--------------------------|
| (1)                  | (2)                           | (3)             | (4)                   | (5)       | (6)         | (7)                 | (8)                      |
| Public               | Bharat Coking Coal Ltd.       | Dugda           | 1968                  | Pr. Ckg.  | Jharkhand   | Jharia              | 2.00                     |
|                      |                               | Bhojudih        | 1962 (Expn-64)        | Pr. Ckg.  | West Bengal | Jharia              | 1.70                     |
|                      |                               | Sudamdih        | 1981                  | Pr. Ckg.  | Jharkhand   | Jharia              | 1.60                     |
|                      |                               | Moonidih        | 1983                  | Pr. Ckg.  | Jharkhand   | Jharia              | 1.60                     |
|                      |                               | Mahuda          | 1990                  | Md. Ckg.  | Jharkhand   | Jharia              | 0.63                     |
|                      |                               | Madhuband       | 1998                  | Pr. Ckg.  | Jharkhand   | Jharia              | 2.50                     |
|                      | <b>Total</b>                  |                 |                       |           |             |                     | <b>10.03</b>             |
|                      | Central Coalfields Ltd.       | Kathara         | 1969                  | Md. Ckg.  | Jharkhand   | Bokaro              | 3.00                     |
|                      |                               | Sawang          | 1970                  | Md. Ckg.  | Jharkhand   | Bokaro              | 0.75                     |
|                      |                               | Rajrappa        | 1987                  | Md. Ckg.  | Jharkhand   | Ramgarh             | 3.00                     |
|                      |                               | Kedla           | 1997                  | Md. Ckg.  | Jharkhand   | Ramgarh             | 2.60                     |
|                      | <b>Total</b>                  |                 |                       |           |             |                     | <b>9.35</b>              |
|                      | Western Coalfields Ltd.       | Nandan          | 1984                  | Md. Ckg.  | M.P.        | Chhindwara          | 1.20                     |
|                      | <b>All Coal India Ltd.</b>    |                 |                       |           |             |                     | <b>20.58</b>             |
|                      | Steel Authority of India Ltd. | Chasnala        | 1969                  | Coking    | Jharkhand   | Dhanbad             | 1.40                     |
| <b>Total Public</b>  |                               |                 |                       |           |             |                     | <b>21.98</b>             |
| Private              | Tata Steel Ltd.               | W.Bokaro-II     | 1984                  | Md. Ckg.  | Jharkhand   | Ramgarh             | 2.50                     |
|                      |                               | W.Bokaro-III    | 1994                  | Md. Ckg.  | Jharkhand   | Ramgarh             | 2.70                     |
|                      |                               | Jamadoba        | 1957                  | Pr. Ckg.  | Jharkhand   | Jamadoba            | 1.30                     |
|                      |                               | Bhelatand       | 1995                  | Pr. Ckg.  | Jharkhand   | Bhelatand           | 1.50                     |
|                      | <b>Total</b>                  |                 |                       |           |             |                     | <b>8.00</b>              |
| <b>Total Private</b> |                               |                 |                       |           |             |                     | <b>8.00</b>              |
| <b>Grand Total</b>   |                               |                 |                       |           |             |                     | <b>29.98</b>             |

**Table 8.2: Coking Coal Washery Performance in Last Three Years****(Qty. in MT)**

| Year    | Owner Company        | Raw Coal Feed | Washed Coal  | Yield (%)   |
|---------|----------------------|---------------|--------------|-------------|
|         |                      |               | Prod.        | Washed Coal |
| (1)     | (2)                  | (3)           | (4)          | (5)         |
| 2020-21 | BCCL                 | 1.135         | 0.270        | 24          |
|         | CCL                  | 1.515         | 0.436        | 29          |
|         | <b>Total CIL</b>     | <b>2.650</b>  | <b>0.706</b> | <b>27</b>   |
|         | SAIL                 | 1.061         | 0.597        | 56          |
|         | <b>Total Public</b>  | <b>3.711</b>  | <b>1.303</b> | <b>35</b>   |
|         | TSL (Private)        | 5.920         | 3.119        | 53          |
|         | <b>Total Private</b> | <b>5.920</b>  | <b>3.119</b> | <b>53</b>   |
|         | <b>Grand Total</b>   | <b>9.631</b>  | <b>4.422</b> | <b>46</b>   |
| 2019-20 | BCCL                 | 1.402         | 0.626        | 45          |
|         | CCL                  | 2.250         | 0.762        | 34          |
|         | <b>Total CIL</b>     | <b>3.652</b>  | <b>1.388</b> | <b>38</b>   |
|         | SAIL                 | 0.638         | 0.386        | 60          |
|         | <b>Total Public</b>  | <b>4.290</b>  | <b>1.773</b> | <b>41</b>   |
|         | TSL (Private)        | 6.734         | 3.477        | 52          |
|         | <b>Total Private</b> | <b>6.734</b>  | <b>3.477</b> | <b>52</b>   |
|         | <b>Grand Total</b>   | <b>11.024</b> | <b>5.250</b> | <b>48</b>   |
| 2018-19 | BCCL                 | 1.309         | 0.634        | 48          |
|         | CCL                  | 2.432         | 0.805        | 33          |
|         | <b>WCL</b>           | <b>0.000</b>  | <b>0.000</b> | <b>0</b>    |
|         | Total CIL            | 3.741         | 1.439        | 38          |
|         | <b>SAIL</b>          | <b>0.733</b>  | <b>0.396</b> | <b>54</b>   |
|         | Total Public         | 4.474         | 1.835        | 41          |
|         | <b>TSL (Private)</b> | <b>7.294</b>  | <b>3.735</b> | <b>51</b>   |
|         | <b>Total Private</b> | <b>7.294</b>  | <b>3.735</b> | <b>51</b>   |
|         | <b>Grand Total</b>   | <b>11.767</b> | <b>5.570</b> | <b>47</b>   |

Note: (1) Yield rate of an item = 100 x (Quantity of the item produced / Raw Coal feed).

Table 8.3: Non Coking Coal Washery in India During 2020-21

| Sector        | Owner Company                        | Name of Washery | Year of Commissioning | Feed Type  | State        | Location/ Coal field | Raw Coal Capacity (MTPA) |
|---------------|--------------------------------------|-----------------|-----------------------|------------|--------------|----------------------|--------------------------|
| (1)           | (2)                                  | (3)             | (4)                   | (5)        | (6)          | (7)                  | (8)                      |
| Public        | Central Coalfields Ltd.              | Gidi            | 1970                  | Non-Coking | Jharkhand    | Hazaribagh           | 2.50                     |
|               |                                      | Piparwar        | 1997                  | Non-Coking | Jharkhand    | Chatra               | 6.50                     |
|               |                                      | Total           |                       |            |              |                      | 9.00                     |
|               | All Coal India Ltd.                  |                 |                       |            |              |                      | 9.00                     |
| Total Public  |                                      |                 |                       |            |              |                      | 9.00                     |
| Private       | Adani Enterprises Ltd.               | AEL             | 2012-13               | Non-Coking | Chhattisgarh | Parsa                | 15.00                    |
|               | Aryan Coal Benefication (India) Ltd. | Chakabura       | 2004                  | Non-Coking | Chhattisgarh | Korba                | 7.50                     |
|               |                                      | Dipka           | 1999-2000             | Non-Coking | Chhattisgarh | Korba                | 14.00                    |
|               |                                      | Pander Pauni    | 2003-04               | Non-Coking | Maharashtra  | Bollarpur            | 2.62                     |
|               |                                      | Gevra           | 2007-08               | Non-Coking | Chhattisgarh | Korba                | 6.25                     |
|               |                                      | Binjhri         | 2010-11               | Non-Coking | Chhattisgarh | Korba                | 4.80                     |
|               |                                      | Hemgir          | 2011-12               | Non-Coking | Orissa       | Hemgir               | 5.00                     |
|               |                                      | Ratija          | 1999                  | Non-Coking | Chhattisgarh | Korba                | 11.00                    |
|               |                                      | Talcher         | 2015                  | Non-Coking | Orissa       | Bharatpur            | 9.52                     |
|               | Aryan Energy Pvt. Ltd.               | Talcher         | 2003                  | Non-Coking | Orissa       | Talcher              | 2.34                     |
|               | Global Coal & Mining Pvt. Ltd        | IB Valley       | 2006                  | Non-Coking | Orissa       | Ib valley            | 3.50                     |
|               |                                      | Ramagundam      | 2004                  | Non-Coking | Telengana    | Ramagundam           | 1.00                     |
|               |                                      | Talcher         | 2002                  | Non-Coking | Orissa       | Talcher              | 4.00                     |
|               |                                      | Manuguru        | 2009                  | Non-Coking | Telengana    | Manuguru             | 1.50                     |
|               | Jindal Power Ltd.                    | JPL             | 2013                  | Non-Coking | Chhattisgarh | Raigarh              | 4.75                     |
|               | Kartikay Coal Washeries Pvt Ltd      | Wani            | 2005-06               | Non-Coking | Maharashtra  | Wardha               | 2.50                     |
|               | Maruti Clean Coal                    | Maruti          | 2015                  | Non-Coking | Chhattisgarh |                      | 6.60                     |
| Total Private |                                      |                 |                       |            |              |                      | 101.88                   |
| Grand Total   |                                      |                 |                       |            |              |                      | 110.88                   |
|               |                                      |                 |                       |            |              |                      |                          |

**Table 8.4: Performance of Non Coking Coal Washeries in India for Last Three Financial Years****(Qty. in MT)**

| <b>Year</b> | <b>Company</b>                    | <b>Raw Coal Feed</b> | <b>Washed Coal Production</b> | <b>Yield (%)</b> |
|-------------|-----------------------------------|----------------------|-------------------------------|------------------|
| <b>(1)</b>  | <b>(2)</b>                        | <b>(3)</b>           | <b>(4)</b>                    | <b>(5)</b>       |
| 2020-21     | CCL                               | 5.528                | 5.510                         | 99.67            |
|             | <b>Total CIL</b>                  | <b>5.528</b>         | <b>5.510</b>                  | <b>99.67</b>     |
|             | <b>Total Public</b>               | <b>5.528</b>         | <b>5.510</b>                  | <b>99.67</b>     |
|             | Adani Enterprises Ltd.            | 15.000               | 12.170                        | 81.13            |
|             | Aryan Coal Benefication Pvt.Ltd.  | 5.475                | 4.444                         | 81.17            |
|             | Aryan Energy Pvt. Ltd.            | 0.749                | 0.549                         | 73.30            |
|             | Global Coal & Mining Pvt. Ltd.    | 1.620                | 1.138                         | 70.25            |
|             | Jindal Power Limited              | 0.520                | 0.463                         | 89.04            |
|             | Kartikay Coal Washeries Pvt. Ltd. | 0.011                | 0.009                         | 81.82            |
|             | Maruti Clean Coal                 | 0.737                | 0.438                         | 59.43            |
|             | <b>Total Private</b>              | <b>24.112</b>        | <b>19.211</b>                 | <b>79.67</b>     |
|             | <b>Grand Total</b>                | <b>29.640</b>        | <b>24.721</b>                 | <b>83.40</b>     |
| 2019-20     | CCL                               | 6.519                | 6.480                         | 99.41            |
|             | <b>Total CIL</b>                  | <b>6.519</b>         | <b>6.480</b>                  | <b>99.41</b>     |
|             | <b>Total Public</b>               | <b>6.519</b>         | <b>6.480</b>                  | <b>99.41</b>     |
|             | Adani Enterprises Ltd.            | 15.000               | 11.709                        | 78.06            |
|             | Aryan Coal Benefication Pvt.Ltd.  | 22.673               | 18.003                        | 79.40            |
|             | Aryan Energy Pvt. Ltd.            | 1.940                | 1.426                         | 73.50            |
|             | Global Coal & Mining Pvt. Ltd.    | 4.185                | 2.790                         | 66.65            |
|             | Jindal Power Limited              | 0.414                | 0.372                         | 89.92            |
|             | Kartikay Coal Washeries Pvt. Ltd. | 0.126                | 0.089                         | 71.01            |
|             | Maruti Clean Coal                 | 1.015                | 0.933                         | 91.92            |
|             | <b>Total Private</b>              | <b>45.354</b>        | <b>35.322</b>                 | <b>77.88</b>     |
|             | <b>Grand Total</b>                | <b>51.873</b>        | <b>41.802</b>                 | <b>80.59</b>     |
| 2018-19     | CCL                               | 6.769                | 6.631                         | 97.96            |
|             | <b>Total CIL</b>                  | <b>6.769</b>         | <b>6.631</b>                  | <b>97.96</b>     |
|             | <b>Total Public</b>               | <b>6.769</b>         | <b>6.631</b>                  | <b>97.96</b>     |
|             | Adani Enterprises Ltd.            | 15.000               | 11.980                        | 79.87            |
|             | Aryan Coal Benefication Pvt.Ltd.  | 18.006               | 14.612                        | 81.15            |
|             | Aryan Energy Pvt. Ltd.            | 1.410                | 1.115                         | 79.09            |
|             | Global Coal & Mining Pvt. Ltd.    | 5.220                | 3.392                         | 64.98            |
|             | Jindal Power Limited              | 0.075                | 0.068                         | 90.31            |
|             | Kartikay Coal Washeries Pvt. Ltd. | 0.142                | 0.102                         | 71.76            |
|             | Maruti Clean Coal                 | 0.214                | 0.171                         | 80.10            |
|             | Spectrum Coal & Power Ltd.        | 12.431               | 9.841                         | 79.17            |
|             | <b>Total Private</b>              | <b>52.497</b>        | <b>41.281</b>                 | <b>78.64</b>     |
|             | <b>Grand Total</b>                | <b>59.266</b>        | <b>47.912</b>                 | <b>80.84</b>     |

Note: (1) Yield rate of an item = 100x Quantity of the item produced / Raw Coal feed.

\* Jhama is also recycled in Madhuband washery. So it is not reported in this table.



9

# Captive Mining Blocks



# Section IX

## Captive Coal Blocks & Lignite Block

### Captive Coal & Lignite Blocks

**9.1.1** The policy of the allotment of Captive Coal Blocks was adopted by the Government of India in the year 1993 and as per this policy by the end of 2013-14, out of total allocated 218 coal blocks, 80 coal blocks were de-allocated. Thus, at the end of 2013-14, 138 coal blocks included 28 lignite blocks remained allocated under the category of Captive Coal Block. During the year 2014-15 by virtue of judgment dated 25.08.2014 read with the order dated 24.09.2014 of the Hon'ble Supreme Court of India, out of 218 captive coal blocks, allocation of 204 coal blocks were cancelled except allocation of 12 coal blocks for UMPPs and one coal block each allocated to NTPC and SAIL.

**9.1.2** Further, allocation of 10 coal blocks of UMPP were cancelled. As on March, 2021, 02 coal blocks allocated through earlier dispensations stand allocated.

**9.1.3** Subsequent to the order of the Hon'ble Supreme Court of India, 42 nos. of producing coal blocks [Schedule II coal mines as per the Coal Mines (Special Provisions) Ordinance, 2014 replaced by the Coal Mines (Special Provision) Act,

2015] were allowed to produce coal up to 31.03.2015.

**9.1.4** As on 31.03.2021, the number of coal blocks that exists is 130 (vested/ allotted - 126 + Custodian - 04).

**9.1.5** The number of lignite blocks that stands allocated as on 31.03.2021, is 23.

**Table 9.1: Summary of Allocation of Coal Blocks that Stand Allocated/ Vested under CM(SP) Act and MMDR Act & Lignite Blocks that Stand Allocated upto 2020-21 (Except CIL as Custodian)**

| Sector                     | End-use                  | No. of Blocks | Geological/Extractable Reserve (Qty. in MT) |
|----------------------------|--------------------------|---------------|---------------------------------------------|
| (1)                        | (2)                      | (3)           | (4)                                         |
| <b>Coal Blocks</b>         |                          |               |                                             |
| Public Sector Undertakings | Power                    | 57            | 13896.00                                    |
|                            | Commercial Mining        | 18            | 4337.99                                     |
|                            | NRS                      | 3             | 267.68                                      |
|                            | UMPP                     | 2             | 352                                         |
|                            | <b>Total</b>             | <b>80</b>     | <b>18853.48</b>                             |
| Private Companies          | Power                    | 5             | 250.41                                      |
|                            | Commercial Mining        | 18            | 1633.34                                     |
|                            | NRS                      | 23            | 751.22                                      |
|                            | UMPP                     | 0             | 0.00                                        |
|                            | <b>Total</b>             | <b>46</b>     | <b>2634.97</b>                              |
| All India                  | <b>Power</b>             | <b>62</b>     | <b>14146.41</b>                             |
|                            | <b>Commercial Mining</b> | <b>36</b>     | <b>5971.33</b>                              |
|                            | <b>NRS</b>               | <b>26</b>     | <b>1018.90</b>                              |
|                            | <b>UMPP</b>              | <b>2</b>      | <b>351.81</b>                               |
|                            | <b>Total</b>             | <b>126</b>    | <b>21488.45</b>                             |
| <b>Lignite Blocks</b>      |                          |               |                                             |
| State PSU                  | Power                    | 11            | 1093.94                                     |
|                            | Commercial               | 10            | 408.93                                      |
|                            | <b>Total</b>             | <b>21</b>     | <b>1502.87</b>                              |
| Private                    | Power                    | 1             | 44.66                                       |
|                            | Commercial               | 1             | 7.80                                        |
|                            | <b>Total</b>             | <b>2</b>      | <b>52.46</b>                                |
| All India                  | <b>Power</b>             | <b>12</b>     | <b>1138.60</b>                              |
|                            | <b>Commercial</b>        | <b>11</b>     | <b>416.73</b>                               |
|                            | <b>Grand Total</b>       | <b>23</b>     | <b>1555.33</b>                              |

Note: Geological Reserve/Extractable Reserve quantities as available with this office.

**Table 9.2: Year Wise and Sector Wise Allotment of Captive Coal Blocks that Stand Allocated/Vested including Blocks Allotted under MMDR Act upto 2020-21 (Except CIL as Custodian)**

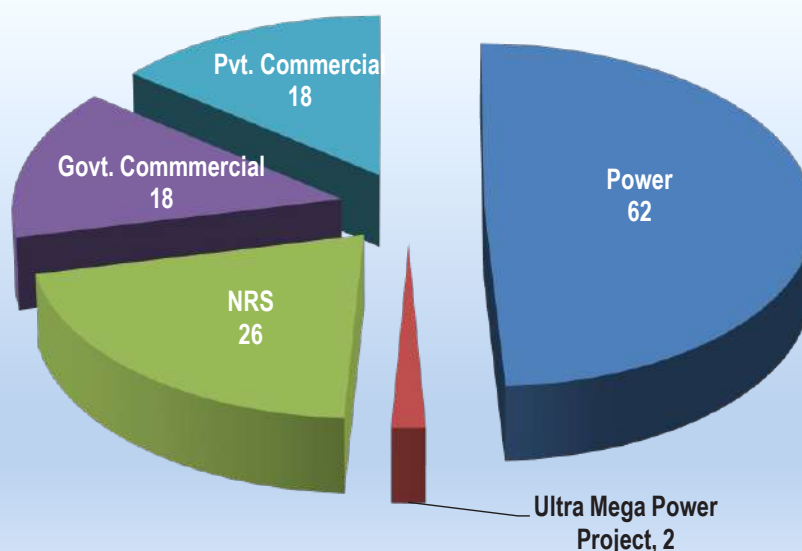
(GR in MT)

| Year of Allotment | Power             |                                | Ultra Mega Power Project |                                | NRS               |                                | Govt. Commercial  |                                | Pvt. Commercial   |                                | Total             |                                |
|-------------------|-------------------|--------------------------------|--------------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|-------------------|--------------------------------|
|                   | Coal Blocks (No.) | Geological/Extractable Reserve | Coal Blocks (No.)        | Geological/Extractable Reserve | Coal Blocks (No.) | Geological/Extractable Reserve | Coal Blocks (No.) | Geological/Extractable Reserve | Coal Blocks (No.) | Geological/Extractable Reserve | Coal Blocks (No.) | Geological/Extractable Reserve |
| (1)               | (2)               | (3)                            | (4)                      | (5)                            | (6)               | (7)                            | (8)               | (9)                            | (10)              | (11)                           | (12)              | (13)                           |
| 1996              |                   |                                |                          |                                | 1                 | 96.31                          |                   |                                |                   |                                | 1                 | 96.31                          |
| 1998              |                   |                                |                          |                                |                   |                                |                   |                                |                   |                                | 0                 | 0.00                           |
| 2004              | 1                 | 616.13                         |                          |                                |                   |                                |                   |                                |                   |                                | 1                 | 616.13                         |
| 2006              |                   |                                | 2                        | 351.81                         |                   |                                |                   |                                |                   |                                | 2                 | 351.81                         |
| 2007              |                   |                                |                          |                                |                   |                                |                   |                                |                   |                                | 0                 | 0.00                           |
| 2008              |                   |                                |                          |                                |                   |                                |                   |                                |                   |                                | 0                 | 0.00                           |
| 2009              |                   |                                |                          |                                |                   |                                |                   |                                |                   |                                | 0                 | 0.00                           |
| 2010              |                   |                                |                          |                                |                   |                                |                   |                                |                   |                                | 0                 | 0.00                           |
| 2015              | 48                | 8651.10                        |                          |                                | 17                | 343.29                         |                   |                                |                   |                                | 65                | 8994.39                        |
| 2016              | 7                 | 1668.79                        |                          |                                | 3                 | 172.69                         | 8                 | 1540.09                        |                   |                                | 18                | 3381.57                        |
| 2017              | 1                 | 393.60                         |                          |                                |                   |                                |                   |                                |                   |                                | 1                 | 393.60                         |
| 2018              | 1                 | 2102.00                        |                          |                                |                   |                                |                   |                                |                   |                                | 1                 | 2102.00                        |
| 2019              |                   |                                |                          |                                |                   |                                | 7                 | 2731.30                        |                   |                                | 7                 | 2731.30                        |
| 2020              | 4                 | 714.79                         |                          |                                | 5                 | 406.61                         | 2                 | 55.97                          |                   |                                | 11                | 1177.37                        |
| 2021              | 0                 | 0.00                           |                          |                                |                   |                                | 1                 | 10.63                          | 18                | 1633.34                        | 19                | 1643.97                        |
| <b>Total</b>      | <b>62</b>         | <b>14146.41</b>                | <b>2</b>                 | <b>351.81</b>                  | <b>26</b>         | <b>1018.90</b>                 | <b>18</b>         | <b>4337.99</b>                 | <b>18</b>         | <b>1633.34</b>                 | <b>126</b>        | <b>21488.45</b>                |

Note: 1. Geological Reserve/Extractable Reserve quantities as available with this office.

2. Some coal blocks allocated earlier were deallocated or reallocated later on. Accordingly year-wise allocations have been modified.

#### Sector Wise Number Allotment of Captive Coal Blocks upto 2020-21

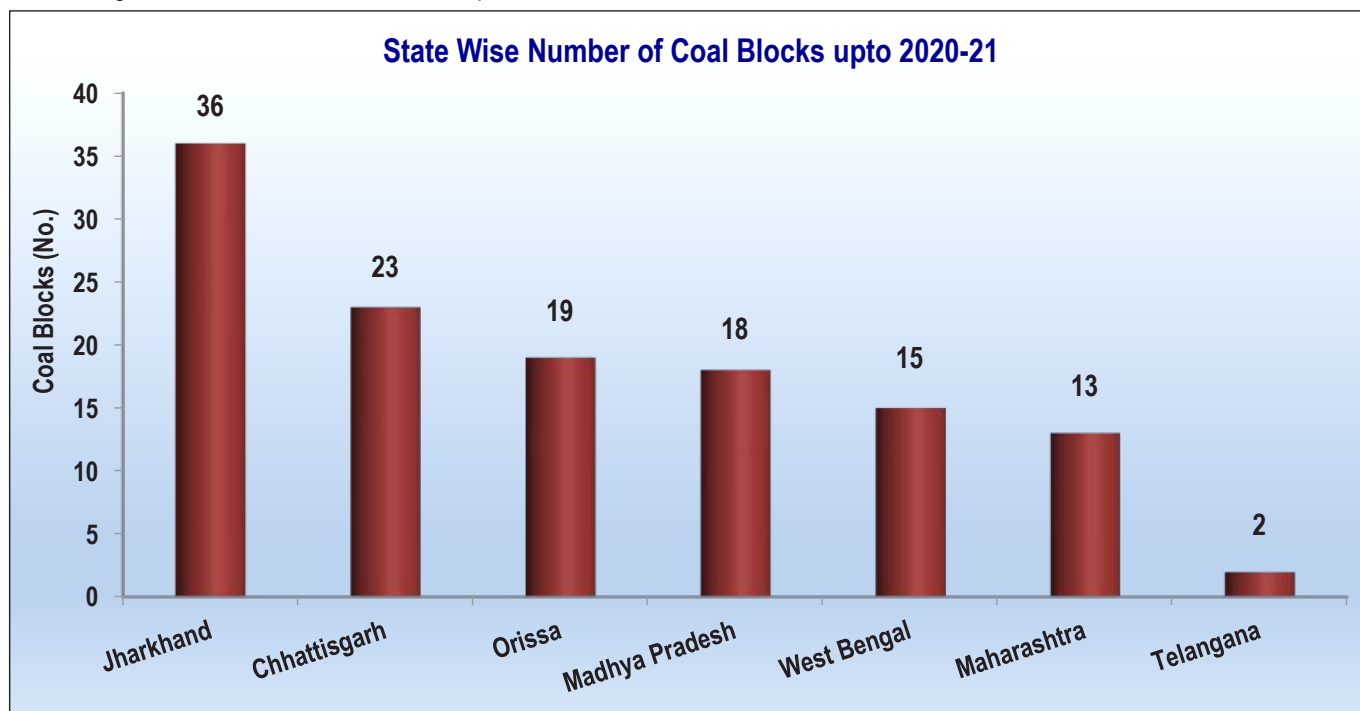


**Table 9.3: State Wise and Sector Wise Allotment of Captive Coal Blocks that Stand Allocated/Vested including Blocks Allotted under MMDR Act upto 2020-21 (Except CIL as Custodian)**

(GR in MT)

| State          | Power             |                                | Ultra Mega Power Project |                                | NRS               |                                | Government Commercial |                                | Private Commercial |                                | Total             |                                |
|----------------|-------------------|--------------------------------|--------------------------|--------------------------------|-------------------|--------------------------------|-----------------------|--------------------------------|--------------------|--------------------------------|-------------------|--------------------------------|
|                | Coal Blocks (No.) | Geological/Extractable Reserve | Coal Blocks (No.)        | Geological/Extractable Reserve | Coal Blocks (No.) | Geological/Extractable Reserve | Coal Blocks (No.)     | Geological/Extractable Reserve | Coal Blocks (No.)  | Geological/Extractable Reserve | Coal Blocks (No.) | Geological/Extractable Reserve |
| (1)            | (2)               | (3)                            | (4)                      | (5)                            | (6)               | (7)                            | (8)                   | (9)                            | (10)               | (11)                           | (12)              | (13)                           |
| Chhattisgarh   | 14                | 3507.88                        |                          |                                | 5                 | 182.10                         | 2                     | 296.32                         | 2                  | 91.94                          | 23                | 4078.24                        |
| Jharkhand      | 15                | 4292.16                        | 0                        | 0.00                           | 8                 | 240.95                         | 9                     | 1618.90                        | 4                  | 875.07                         | 36                | 7027.08                        |
| Madhya Pradesh | 3                 | 645.58                         | 2                        | 351.81                         | 4                 | 92.40                          | 1                     | 141.00                         | 8                  | 184.79                         | 18                | 1415.58                        |
| Maharashtra    | 7                 | 290.35                         |                          |                                | 4                 | 29.03                          |                       |                                | 2                  | 51.54                          | 13                | 370.92                         |
| Odisha         | 11                | 3035.26                        |                          |                                | 3                 | 304.10                         | 3                     | 1702.90                        | 2                  | 430.00                         | 19                | 5472.26                        |
| Telangana      | 1                 | 40.92                          |                          |                                |                   |                                | 1                     | 110.87                         |                    |                                | 2                 | 151.79                         |
| West Bengal    | 11                | 2334.26                        |                          |                                | 2                 | 170.32                         | 2                     | 468.00                         |                    |                                | 15                | 2972.58                        |
| <b>Total</b>   | <b>62</b>         | <b>14146.41</b>                | <b>2</b>                 | <b>351.81</b>                  | <b>26</b>         | <b>1018.90</b>                 | <b>18</b>             | <b>4337.99</b>                 | <b>18</b>          | <b>1633.34</b>                 | <b>126</b>        | <b>21488.45</b>                |

Note: Geological Reserve/Extractable Reserve quantities as available with this office.



**Table 9.4: Coal Production from Captive Blocks Since 1997-98, Projection for XII<sup>th</sup>  
Five Year Plan and CCO Estimates**

| Year                                                                                                        | Target /<br>Achievement | Power                 |                                   | Iron & Steel          |                                   | Govt. Comm            |                                   | Private Comm &<br>Cements |                                   | Total                 |                                   |
|-------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------|-----------------------------------|-----------------------|-----------------------------------|-----------------------|-----------------------------------|---------------------------|-----------------------------------|-----------------------|-----------------------------------|
|                                                                                                             |                         | No. of<br>Coal Blocks | Production<br>(Million<br>Tonnes) | No. of<br>Coal Blocks | Production<br>(Million<br>Tonnes) | No. of<br>Coal Blocks | Production<br>(Million<br>Tonnes) | No. of<br>Coal Blocks     | Production<br>(Million<br>Tonnes) | No. of<br>Coal Blocks | Production<br>(Million<br>Tonnes) |
| (1)                                                                                                         | (2)                     | (3)                   | (4)                               | (5)                   | (6)                               | (7)                   | (8)                               | (9)                       | (10)                              | (11)                  | (12)                              |
| 1997-98                                                                                                     | Achievement             | 2                     | 0.71                              |                       |                                   |                       |                                   |                           |                                   | 2                     | 0.71                              |
| 1998-99                                                                                                     |                         | 2                     | 1.79                              | 1                     | 0.04                              |                       |                                   |                           |                                   | 3                     | 1.83                              |
| 1999-00                                                                                                     |                         | 2                     | 2.17                              | 1                     | 0.78                              |                       |                                   |                           |                                   | 3                     | 2.95                              |
| 2000-01                                                                                                     |                         | 2                     | 2.41                              | 1                     | 1.42                              |                       |                                   |                           |                                   | 3                     | 3.83                              |
| 2001-02                                                                                                     |                         | 2                     | 2.91                              | 1                     | 1.55                              |                       |                                   |                           |                                   | 3                     | 4.46                              |
| 2002-03                                                                                                     |                         | 3                     | 3.40                              | 1                     | 2.12                              |                       |                                   |                           |                                   | 4                     | 5.52                              |
| 2003-04                                                                                                     |                         | 4                     | 5.36                              | 1                     | 2.47                              |                       |                                   |                           |                                   | 5                     | 7.83                              |
| 2004-05                                                                                                     |                         | 4                     | 6.92                              | 2                     | 3.09                              |                       |                                   | 2                         | 0.10                              | 8                     | 10.11                             |
| 2005-06                                                                                                     |                         | 5                     | 7.58                              | 2                     | 5.76                              |                       |                                   | 2                         | 0.28                              | 9                     | 13.62                             |
| 2006-07                                                                                                     |                         | 5                     | 10.07                             | 4                     | 7.32                              |                       |                                   | 2                         | 0.22                              | 11                    | 17.61                             |
| XI <sup>th</sup> Five Year Plan                                                                             |                         |                       |                                   |                       |                                   |                       |                                   |                           |                                   |                       |                                   |
| 2007-08                                                                                                     | Target 1(BE)            | 13                    | 13.90                             | 4                     | 8.05                              | 1                     | 0.20                              | 2                         | 0.33                              | 20                    | 22.48                             |
|                                                                                                             | Achievement             | 7                     | 12.83                             | 5                     | 8.01                              | 1                     | 0.08                              | 2                         | 0.33                              | 15                    | 21.25                             |
| 2008-09                                                                                                     | Target 1(BE)            | 20                    | 22.53                             | 14                    | 11.21                             | 3                     | 1.65                              | 3                         | 0.33                              | 40                    | 35.72                             |
|                                                                                                             | Achievement             | 14                    | 21.25                             | 8                     | 8.39                              | 1                     | 0.14                              | 2                         | 0.24                              | 25                    | 30.01                             |
| 2009-10                                                                                                     | Target 1(BE)            | 30                    | 24.90                             | 37                    | 19.04                             | 6                     | 2.85                              | 2                         | 0.30                              | 75                    | 47.09                             |
|                                                                                                             | Achievement             | 14                    | 25.74                             | 11                    | 9.48                              | 1                     | 0.25                              |                           |                                   | 26                    | 35.46                             |
| 2010-11                                                                                                     | Target 1(BE)            | 33                    | 35.80                             | 41                    | 31.20                             | 8                     | 5.70                              | 2                         | 0.30                              | 84                    | 73.00                             |
|                                                                                                             | Target 2(RE)            | 15                    | 25.50                             | 9                     | 9.64                              | 1                     | 0.20                              | 2                         | 0.30                              | 27                    | 35.64                             |
|                                                                                                             | Achievement             | 15                    | 24.36                             | 10                    | 9.27                              | 1                     | 0.30                              | 2                         | 0.30                              | 28                    | 34.22                             |
| 2011-12                                                                                                     | Target 1(BE)            | 42                    | 54.28                             | 41                    | 41.30                             | 8                     | 8.20                              | 2                         | 0.30                              | 93                    | 104.08                            |
|                                                                                                             | Target 2(RE)            | 18                    | 27.30                             | 16                    | 10.35                             | 2                     | 0.30                              | 2                         | 0.30                              | 38                    | 38.25                             |
|                                                                                                             | Achievement             | 15                    | 25.82                             | 11                    | 9.83                              | 1                     | 0.22                              | 2                         | 0.30                              | 29                    | 36.17                             |
| XII <sup>th</sup> Five Year Plan                                                                            |                         |                       |                                   |                       |                                   |                       |                                   |                           |                                   |                       |                                   |
| 2012-13                                                                                                     | Target                  | 17                    | 26.80                             | 17                    | 11.10                             | 3                     | 1.00                              | 2                         |                                   | 39                    | 38.90                             |
|                                                                                                             | Achievement             | 19                    | 25.59                             | 13                    | 10.72                             | 2                     | 0.42                              | 2                         | 0.30                              | 36                    | 37.04                             |
| 2013-14                                                                                                     | Target                  | 20                    | 28.25                             | 21                    | 12.16                             | 4                     | 0.57                              | 3                         | 0.30                              | 48                    | 41.28                             |
|                                                                                                             | Achievement             | 22                    | 26.81                             | 13                    | 11.64                             | 3                     | 0.73                              | 2                         | 0.30                              | 40                    | 39.49                             |
| 2014-15                                                                                                     | Target                  | 25                    | 37.87                             | 14                    | 12.69                             | 3                     | 1.01                              | 4                         | 0.30                              | 46                    | 51.87                             |
|                                                                                                             | Achievement             | 22                    | 37.93                             | 13                    | 11.95                             | 3                     | 2.54                              | 2                         | 0.30                              | 40                    | 52.72                             |
| Coal Production from Captive Blocks during 2015-16 to 2020-21 and Production Projection<br>as per Mine Plan |                         |                       |                                   |                       |                                   |                       |                                   |                           |                                   |                       |                                   |
| Year                                                                                                        | Target /<br>Achievement | Power                 |                                   | NRS                   |                                   | Govt. Comm            |                                   | Total                     |                                   |                       |                                   |
|                                                                                                             |                         | No. of<br>Coal Blocks | Production<br>(Qty. in MT)        | No. of<br>Coal Blocks | Production<br>(Qty. in MT)        | No. of<br>Coal Blocks | Production<br>(Qty. in MT)        | No. of<br>Coal Blocks     | Production<br>(Qty. in MT)        |                       |                                   |
| (1)                                                                                                         | (2)                     | (3)                   | (4)                               | (5)                   | (6)                               | (7)                   | (8)                               | (9)                       | (10)                              |                       |                                   |
| 2015-16                                                                                                     | Target                  | 6                     | 22.70                             | 5                     | 3.27                              | 2                     | 2.00                              | 13                        | 27.97                             |                       |                                   |
|                                                                                                             | Achievement             | 6                     | 25.67                             | 4                     | 3.15                              | 2                     | 2.28                              | 12                        | 31.10                             |                       |                                   |
| 2016-17                                                                                                     | Target                  | 12                    | 33.50                             | 11                    | 7.60                              | 2                     | 5.00                              | 25                        | 46.10                             |                       |                                   |
|                                                                                                             | Achievement             | 7                     | 27.38                             | 6                     | 5.16                              | 2                     | 4.90                              | 15                        | 37.43                             |                       |                                   |
| 2017-18                                                                                                     | Target                  | 8                     | 43.54                             | 9                     | 7.80                              | 3                     | 12.25                             | 20                        | 63.59                             |                       |                                   |
|                                                                                                             | Achievement             | 7                     | 31.16                             | 7                     | 5.72                              | 3                     | 4.42                              | 17                        | 41.30                             |                       |                                   |
| 2018-19                                                                                                     | Target                  | 11                    | 50.35                             | 9                     | 5.20                              | 3                     | 11.25                             | 23                        | 66.80                             |                       |                                   |
|                                                                                                             | Achievement             | 11                    | 45.63                             | 11                    | 4.28                              | 3                     | 4.95                              | 25                        | 54.85                             |                       |                                   |
| 2019-20                                                                                                     | Target                  | 17                    | 52.88                             | 10                    | 5.83                              | 3                     | 17.00                             | 30                        | 75.71                             |                       |                                   |
|                                                                                                             | Achievement             | 16                    | 54.89                             | 10                    | 2.98                              | 3                     | 3.42                              | 29                        | 61.30                             |                       |                                   |
| 2020-21                                                                                                     | Target                  | 21                    | 82.54                             | 10                    | 9.99                              | 3                     | 11.25                             | 34                        | 103.78                            |                       |                                   |
|                                                                                                             | Achievement             | 21                    | 62.31                             | 10                    | 0.83                              | 3                     | 3.20                              | 34                        | 66.35                             |                       |                                   |

Table 9.5: Lignite Blocks that Stand Allocated upto 2020-21

| Sl. No.            | State (Block)    | Date of Allocation | Name of Block              | Name of Allocattee | No. of Blocks | Sector | GR while Allotting (MT) | End-use Plant | Remarks       |
|--------------------|------------------|--------------------|----------------------------|--------------------|---------------|--------|-------------------------|---------------|---------------|
| (1)                | (2)              | (3)                | (4)                        | (5)                | (6)           | (7)    | (8)                     | (9)           | (10)          |
| 1                  | Gujarat          | 04.04.2000         | Khadsaliya                 | GHCL               | 1             | Pvt    | 7.80                    | Commercial    | Producing     |
| 2                  | Gujarat          | 05.12.2001         | Tadkeswar                  | GMDC               | 1             | Pub    | 40.00                   | Commercial    | Producing     |
| 3                  | Gujarat          | 30.04.2003         | Mata na Madh               | GMDC               | 1             | Pub    | 34.00                   | Commercial    | Producing     |
| 4                  | Gujarat          | 21.07.1973         | Panandhro                  | GMDC               | 1             | Pub    | 98.00                   | Commercial    | Producing     |
| 5                  | Gujarat          | 05.12.2001         | Rajpardi /G-19 Extn (Amod) | GMDC               | 2             | Pub    | 21.00                   | Commercial    | Producing     |
| 6                  | Gujarat          | 09.03.2000         | Mongrol Valia              | GIPCL              | 1             | Pub    | 341.74                  | Power         | Producing     |
| 7                  | Gujarat          | 06.09.2005         | Khadsaliya-II              | GPCL               | 1             | Pub    | 22.50                   | Power         | Non-producing |
| 8                  | Gujarat          | 06.09.2005         | Surka III                  | GPCL               | 1             | Pub    | NA                      | Power         | Non-producing |
| 9                  | Gujarat          | 05.12.2001         | Surkha (North), Bhavnagar  | GMDC               | 1             | Pub    | 69.63                   | Commercial    | Producing     |
| 10                 | Gujarat          | 23.09.2009         | Umarsar                    | GMDC               | 1             | Pub    | 27.50                   | Commercial    | Producing     |
| 11                 | Gujarat          | 15.12.1995         | Vastan                     | GIPCL              | 1             | Pub    | 39.99                   | Power         | Producing     |
| 12                 | Gujarat          | 22.09.1995         | Ghogra-Surka               | GPCL               | 1             | Pub    | 60.68                   | Power         | Non-producing |
|                    | <b>Gujarat</b>   |                    | <b>Total</b>               |                    | <b>13</b>     |        | <b>762.840</b>          |               |               |
| 1                  | Rajasthan        | 02.11.1994         | Giral                      | RSSML              | 1             | Pub    | 101.90                  | Commercial    | Producing     |
| 2                  | Rajasthan        | 25.08.2001         | Matasukh                   | RSMML              | 1             | Pub    | 16.90                   | Commercial    | Producing     |
| 3                  | Rajasthan        | 25.08.2001         | Kasnau Igiya               | RSMML              | 1             | Pub    |                         | Commercial    | Producing     |
| 4                  | Rajasthan        | 06.09.2004         | Soneri                     | RSMML              | 1             | Pub    | 42.56                   | Power         | Non-producing |
| 5                  | Rajasthan        | 01.07.2005         | Gurha(W)                   | RSMML              | 1             | Pub    | 37.50                   | Power         | Non-producing |
| 6                  | Rajasthan        | 01.07.2005         | Gurha(E)                   | V.S Lig            | 1             | Pvt    | 44.66                   | Power         | Producing     |
| 7                  | Rajasthan        | 13.11.2006         | Kapurdih                   | RRVNL              | 1             | Pub    | 91.99                   | Power         | Producing     |
| 8                  | Rajasthan        | 13.11.2006         | Jalipa                     | RSMML              | 1             | Pub    | 316.28                  | Power         | Non-producing |
| 9                  | Rajasthan        | 13.11.2006         | Shivkar-Kurla              | RSMML              | 1             | Pub    | 112.00                  | Power         | Non-producing |
| 10                 | Rajasthan        | 13.11.2006         | Sachcha Sauda              | RSMML              | 1             | Pub    | 28.70                   | Power         | Non-producing |
|                    | <b>Rajasthan</b> |                    | <b>Total</b>               |                    | <b>10</b>     |        | <b>792.49</b>           |               |               |
| <b>Grand Total</b> |                  |                    |                            |                    | <b>23</b>     |        | <b>1555.33</b>          |               |               |

Note: GR of Khadsaliya etc. is estimated from inferred GR.

Table 9.6: State Wise List of Captive &amp; Commercial Coal Blocks that Stand Vested/Allocated upto 2020-21 (Except CIL as Custodian)

| Sl.No.                               | Block Allocated                          | No. of Blocks | State where the Block is Located | Extractable Reserve (Qty. in MT) | Date of Allotment | Mode of Allocation | Name of the party                                                                                                    | Type of Company: PSU(S)/PSU© /Private | End-use Plant |
|--------------------------------------|------------------------------------------|---------------|----------------------------------|----------------------------------|-------------------|--------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------|
| (1)                                  | (2)                                      | (3)           | (4)                              | (5)                              | (6)               | (7)                | (8)                                                                                                                  | (9)                                   | (10)          |
| 1-2                                  | Parsa East, Kanta Basan                  | 2             | Chhattisgarh                     | 378.23                           | 31.03.2015        | Allotted           | Rajasthan Rajya Vidyut Utpadan Nigam Ltd                                                                             | PSU(C)                                | Power         |
| 3                                    | Gare Palma Sector I                      | 1             | Chhattisgarh                     | 194.00                           | 14.09.2015        | Allotted           | Gujarat State Electricity Corporation Limited                                                                        | PSU(S)                                | Power         |
| 4                                    | Gare Palma Sector II                     | 1             | Chhattisgarh                     | 655.15                           | 31.08.2015        | Allotted           | Maharashtra State Power Generation Corp. Ltd                                                                         | PSU(S)                                | Power         |
| 5                                    | Gare Palma Sector III                    | 1             | Chhattisgarh                     | 92.69                            | 14.09.2015        | Allotted           | Chhattisgarh State Power Generation Co Ltd                                                                           | PSU(S)                                | Power         |
| 6-7                                  | Gidhmuri, Paturia                        | 2             | Chhattisgarh                     | 257.83                           | 13.10.2015        | Allotted           | Chhattisgarh State Power Generation Co Ltd                                                                           | PSU(S)                                | Power         |
| 8                                    | Parsa                                    | 1             | Chhattisgarh                     | 184.26                           | 08.09.2015        | Allotted           | Rajasthan Rajya Vidyut Utpadan Nigam Ltd                                                                             | PSU(S)                                | Power         |
| 9                                    | Talaipalli                               | 1             | Chhattisgarh                     | 842.68                           | 08.09.2015        | Allotted           | NTPC Ltd                                                                                                             | PSU(C)                                | Power         |
| 10-11                                | Durgapur-II Taraimar & Durgapur-II Sarya | 2             | Chhattisgarh                     | 303.04                           | 02.03.2020        | Allotted           | Karnataka Power Corporation Ltd                                                                                      | PSU(S)                                | Power         |
| 12                                   | Kente Extn                               | 1             | Chhattisgarh                     | 200.00                           | 31.03.2015        | Allotted           | Rajasthan Rajya Vidyut Utpadan Nigam Ltd                                                                             | PSU(S)                                | Power         |
| 13                                   | Banai                                    | 1             | Chhattisgarh                     | 200.00                           | 31.03.2015        | Allotted           | NTPC Ltd                                                                                                             | PSU(C)                                | Power         |
| 14                                   | Bhalumuda                                | 1             | Chhattisgarh                     | 200.00                           | 31.03.2015        | Allotted           | NTPC Ltd                                                                                                             | PSU(C)                                | Power         |
| <b>Total Chhattisgarh Power</b>      |                                          | <b>14</b>     |                                  | <b>3507.88</b>                   |                   |                    |                                                                                                                      |                                       |               |
| 15                                   | Chotia                                   | 1             | Chhattisgarh                     | 7.38                             | 23.03.2015        | Vested             | Bharat Aluminium Company Ltd                                                                                         | PVT                                   | NRS           |
| 16                                   | Gare Palma IV-4                          | 1             | Chhattisgarh                     | 7.94                             | 23.03.2015        | Vested             | Hindalco Industries Limited                                                                                          | PVT                                   | NRS           |
| 17                                   | Gare Palma IV-5                          | 1             | Chhattisgarh                     | 74.69                            | 23.03.2015        | Vested             | Hindalco Industries Limited                                                                                          | PVT                                   | NRS           |
| 18                                   | Bhaskarpara                              | 1             | Chhattisgarh                     | 46.91                            | 10.02.2020        | Vested             | Prakash Industries Limited                                                                                           | PVT                                   | NRS           |
| 19                                   | Gare-Palma Sector-IV/8                   | 1             | Chhattisgarh                     | 45.18                            | 22.04.2015        | Vested             | Ambuja Cements Limited                                                                                               | PVT                                   | NRS           |
| <b>Total Chhattisgarh NRS</b>        |                                          | <b>5</b>      |                                  | <b>182.10</b>                    |                   |                    |                                                                                                                      |                                       |               |
| 20                                   | Madanpur South                           | 1             | Chhattisgarh                     | 183.38                           | 29.09.2016        | Allotted           | Andhra Pradesh Mineral Development Corp Ltd                                                                          | PSU(S)                                | Commercial    |
| 21                                   | Gare Palma IV-7                          | 1             | Chhattisgarh                     | 52.98                            | 08.03.2021        | Vested             | Sarda Energy and Minerals Limited                                                                                    | PVT                                   | Commercial    |
| 22                                   | Gare Palma IV-1                          | 1             | Chhattisgarh                     | 38.96                            | 2021              | Vested             | Jindal Power Limited                                                                                                 | PVT                                   | Commercial    |
| 23                                   | Kerwa                                    | 1             | Chhattisgarh                     | 112.94                           | 21.07.2016        | Allotted           | Kerwa Coal Ltd ( Joint Venture of Chhattisgarh Mineral Development Corpn. And M.P. state Mining Corp Ltd.            | PSU(S)                                | Commercial    |
| <b>Total Chhattisgarh Commercial</b> |                                          | <b>4</b>      |                                  | <b>388.26</b>                    |                   |                    |                                                                                                                      |                                       |               |
| 24                                   | Pachhwarra Central                       | 1             | Jharkhand                        | 239.75                           | 31.03.2015        | Allotted           | Punjab State Power Corp Ltd                                                                                          | PSU(S)                                | Power         |
| 25                                   | Pachhwarra North                         | 1             | Jharkhand                        | 383.60                           | 31.03.2015        | Allotted           | West Bengal Power Development Corp. Ltd.                                                                             | PSU(S)                                | Power         |
| 26                                   | Badam                                    | 1             | Jharkhand                        | 90.50                            | 31.08.2015        | Allotted           | Bihar State Power Generation Co Ltd                                                                                  | PSU(S)                                | Power         |
| 27                                   | Banhardih                                | 1             | Jharkhand                        | 553.00                           | 30.06.2015        | Allotted           | Jharkhand Urja Utpadan Nigam Ltd                                                                                     | PSU(S)                                | Power         |
| 28-29                                | Chatti Bariatu, Chatti Bariatu South     | 2             | Jharkhand                        | 390.96                           | 08.09.2015        | Allotted           | NTPC Ltd                                                                                                             | PSU(C)                                | Power         |
| 30                                   | Kerandari                                | 1             | Jharkhand                        | 142.01                           | 08.09.2015        | Allotted           | NTPC Ltd                                                                                                             | PSU(C)                                | Power         |
| 31                                   | Rajbar D & E                             | 1             | Jharkhand                        | 526.05                           | 30.06.2015        | Allotted           | Tenughat Vidyut Nigam Ltd                                                                                            | PSU(S)                                | Power         |
| 32                                   | Saharpur Jamarpani                       | 1             | Jharkhand                        | 524.00                           | 13.08.2015        | Allotted           | UP Rajya Vidyut Utpadan Nigam Ltd                                                                                    | PSU(S)                                | Power         |
| 33                                   | Ganeshpur                                | 1             | Jharkhand                        | 91.80                            | 22.04.2015        | Vested             | GMR Chhattisgarh Energy Limited                                                                                      | PVT                                   | Power         |
| 34                                   | Jitpur                                   | 1             | Jharkhand                        | 65.54                            | 22.04.2015        | Vested             | Adani Power Limited                                                                                                  | PVT                                   | Power         |
| 35                                   | Kalyanpur-Badalpara                      | 1             | Jharkhand                        | 200.00                           | 24.02.2016        | Allotted           | Haryana Powe Generation Corp Ltd                                                                                     | PSU(S)                                | Power         |
| 36                                   | Pachwarra South                          | 1             | Jharkhand                        | 279.00                           | 03.10.2016        | Allotted           | M/s Neyveli Uttar Pradesh Power Ltd (JV of NLC India Ltd CPSU and Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd SPSU) | PSU(C)                                | Power         |
| 37                                   | Tubed                                    | 1             | Jharkhand                        | 189.82                           | 07.10.2016        | Allotted           | Damodar Valley Corporation                                                                                           | PSU(S)                                | Power         |
| 38                                   | Pakri Barwadi                            | 1             | Jharkhand                        | 616.13                           | 11.10.2004        | Allotted           | NTPC Ltd                                                                                                             | PSU(C)                                | Power         |
| <b>Total Jharkhand Power</b>         |                                          | <b>15</b>     |                                  | <b>4292.16</b>                   |                   |                    |                                                                                                                      |                                       |               |
|                                      |                                          |               |                                  |                                  |                   |                    |                                                                                                                      |                                       | Cont...       |

Table 9.6: State Wise List of Captive &amp; Commercial Coal Blocks that Stand Vested/Allocated upto 2020-21 (Except CIL as Custodian)

| Sl.No.                                 | Block Allocated                     | No. of Blocks | State where the Block is Located | Extractable Reserve (Qty. in MT) | Date of Allotment | Mode of Allocation | Name of the party                                         | Type of Company: PSU(S)/PSU@/Private | End-use Plant   |
|----------------------------------------|-------------------------------------|---------------|----------------------------------|----------------------------------|-------------------|--------------------|-----------------------------------------------------------|--------------------------------------|-----------------|
| (1)                                    | (2)                                 | (3)           | (4)                              | (5)                              | (6)               | (7)                | (8)                                                       | (9)                                  | (10)            |
| 39                                     | Tokisud North                       | 1             | Jharkhand                        | 51.97                            | 22.09.2020        | Allotted           | NMDC Limited                                              | PSU(C)                               | Commercial      |
| 40                                     | Patal East                          | 1             | Jharkhand                        | 200.00                           | 29.09.2016        | Allotted           | Jharhand State Mineral Development Corp Ltd               | PSU(S)                               | Commercial      |
| 41-42                                  | Kotre Basantpur & Pachmo            | 2             | Jharkhand                        | 251.30                           | 21.11.2019        | Allotted           | Central Coalfields Ltd                                    | PSU(C)                               | Commercial      |
| 43                                     | Sugia Closed Mine                   | 1             | Jharkhand                        | 4.00                             | 22.09.2020        | Allotted           | Jharhand State Mineral Development Corp Ltd               | PSU(S)                               | Commercial      |
| 44                                     | Rohne                               | 1             | Jharkhand                        | 241.00                           | 16.12.2019        | Allotted           | NMDC Limited                                              | PSU(C)                               | Commercial      |
| 45                                     | Rabodh                              | 1             | Jharkhand                        | 450.00                           | 16.12.2019        | Allotted           | Rashtriya Ispat Nigam Limited                             | PSU(C)                               | Commercial      |
| 46                                     | Brahmadiha                          | 1             | Jharkhand                        | 10.63                            | 02.03.2021        | Vested             | Andhra Pradesh Mineral Development Corp Ltd               | PSU(S)                               | Commercial      |
| 47                                     | Chakla                              | 1             | Jharkhand                        | 83.10                            | 03.03.2021        | Vested             | Hindalco Industries Limited                               | PVT                                  | Commercial      |
| 48                                     | Gondulpara                          | 1             | Jharkhand                        | 74.88                            | 08.03.2021        | Vested             | Adani Enterprises Limited                                 | PVT                                  | Commercial      |
| 49                                     | Rajhara North (Central & Eastern)   | 1             | Jharkhand                        | 17.09                            | 03.03.2021        | Vested             | Fairmine Carbons Private Limited                          | PVT                                  | Commercial      |
| 50                                     | Urma Paharitola                     | 1             | Jharkhand                        | 700.00                           | 03.03.2021        | Vested             | Aurobindo Reality and Infrastructure Private Limited      | PVT                                  | Commercial      |
| 51                                     | Amarkonda Murgadangal               | 1             | Jharkhand                        | 410.00                           | 24.01.2019        | Allotted           | Eastern Coalfields Limited                                | PSU(C)                               | Commercial      |
| <b>Total Jharkhand Commercial</b>      |                                     | <b>13</b>     |                                  | <b>2493.97</b>                   |                   |                    |                                                           |                                      |                 |
| 52                                     | Kathautia                           | 1             | Jharkhand                        | 21.47                            | 23.03.2015        | Vested             | Hindalco Industries Limited                               | PVT                                  | NRS             |
| 53-54                                  | Brinda and Sasai                    | 2             | Jharkhand                        | 25.40                            | 22.04.2015        | Vested             | Usha Martin Limited (Tata Spong Iron Ltd from 04.04.2019) | PVT                                  | NRS             |
| 55                                     | Dumri                               | 1             | Jharkhand                        | 46.14                            | 22.04.2015        | Vested             | Hindalco Industries Limited                               | PVT                                  | NRS             |
| 56                                     | Lohari                              | 1             | Jharkhand                        | 9.05                             | 22.04.2015        | Vested             | Araanya Mines Private Limited                             | PVT                                  | NRS             |
| 57                                     | Meral                               | 1             | Jharkhand                        | 12.67                            | 22.04.2015        | Vested             | Trimula Industries Limited                                | PVT                                  | NRS             |
| 58                                     | Moitra                              | 1             | Jharkhand                        | 29.91                            | 22.04.2015        | Vested             | JSW Steel Limited                                         | PVT                                  | NRS             |
| 59                                     | Tasra                               | 1             | Jharkhand                        | 96.31                            | 26.02.1996        | Allotted           | SAIL                                                      | PSU(C)                               | NRS             |
| <b>Total Jharkhand NRS</b>             |                                     | <b>8</b>      |                                  | <b>240.95</b>                    |                   |                    |                                                           |                                      |                 |
| 60                                     | Amelia                              | 1             | M. P.                            | 393.60                           | 17.01.2017        | Allotted           | THDC India Limited (JV of Govt. of India & Govt. of U.P.) | PSU(C)                               | Power           |
| 61                                     | Amelia (North)                      | 1             | M. P.                            | 51.98                            | 23.03.2015        | Vested             | Jaiprakash Power Ventures Ltd.                            | PVT                                  | Power           |
| 62                                     | Gondbahera Ujjeni                   | 1             | M. P.                            | 200.00                           | 31.03.2015        | Allotted           | Madhya Pradesh Power Generating Co Ltd                    | PSU(S)                               | Power           |
| 63-64                                  | Moher, Moher-Amlori Extn.           | 2             | M. P.                            | 351.81                           | 13.09.2006        | Allotted           | Power Finance Corporation                                 | PSU(C)                               | UMPP            |
| <b>Total Madhya Pradesh Power</b>      |                                     | <b>5</b>      |                                  | <b>997.39</b>                    |                   |                    |                                                           |                                      |                 |
| 65                                     | Sial Ghogri                         | 1             | M. P.                            | 5.31                             | 23.03.2015        | Vested             | Reliance Cement Company Pvt. Ltd.                         | PVT                                  | NRS             |
| 66                                     | Bicharpur                           | 1             | M. P.                            | 29.12                            | 23.03.2015        | Vested             | Ultra Tech Cement Ltd.                                    | PVT                                  | NRS             |
| 67                                     | Bikram                              | 1             | M. P.                            | 20.97                            | 10.02.2020        | Vested             | Birla Corporation Limited                                 | PVT                                  | NRS             |
| 68                                     | Brahampuri                          | 1             | M. P.                            | 37.00                            | 10.02.2020        | Vested             | Birla Corporation Limited                                 | PVT                                  | NRS             |
| <b>Total Madhya Pradesh NRS</b>        |                                     | <b>4</b>      |                                  | <b>92.40</b>                     |                   |                    |                                                           |                                      |                 |
| 69                                     | Suliyari                            | 1             | M. P.                            | 141.00                           | 29.09.2016        | Allotted           | The Andhra Pradesh Mineral Development Corporation Ltd.   | PSU(S)                               | Commercial      |
| 70-71                                  | Gotitoria (East) & Gotitoria (West) | 2             | M. P.                            | 9.34                             | 2021              | Vested             | Boulder Stone Mart Private Limited                        | PVT                                  | Commercial      |
| 72                                     | Sahapur West                        | 1             | M. P.                            | 42.00                            | 03.03.2021        | Vested             | Sarda Energy and Minerals Limited                         | PVT                                  | Commercial      |
| 73                                     | Sahapur East                        | 1             | M. P.                            | 63.63                            | 03.03.2021        | Vested             | Chowgule and Company Private Limited                      | PVT                                  | Commercial      |
| 74                                     | Urtan North                         | 1             | M. P.                            | 69.82                            | 03.03.2021        | Vested             | JMS Mining Private Limited                                | PVT                                  | Commercial      |
| 75                                     | Bandha                              | 1             | M. P.                            |                                  | 03.03.2021        | Allotted           | EMIL Mines and Mineral Resources Limited                  | PVT                                  | Commercial      |
| 76                                     | Dhirauli                            | 1             | M. P.                            |                                  | 03.03.2021        | Allotted           | Startech Mineral Resources Pvt. Ltd.                      | PVT                                  | Commercial      |
| 77                                     | Urtan                               | 1             | M. P.                            |                                  | 03.03.2021        | Allotted           | JMS Mining Private Limited                                | PVT                                  | Commercial      |
| <b>Total Madhya Pradesh Commercial</b> |                                     | <b>9</b>      |                                  | <b>325.79</b>                    |                   |                    |                                                           |                                      |                 |
|                                        |                                     |               |                                  |                                  |                   |                    |                                                           |                                      | <b>Contd...</b> |

Table 9.6: State Wise List of Captive &amp; Commercial Coal Blocks that Stand Vested/Allocated upto 2020-21 (Except CIL as Custodian)

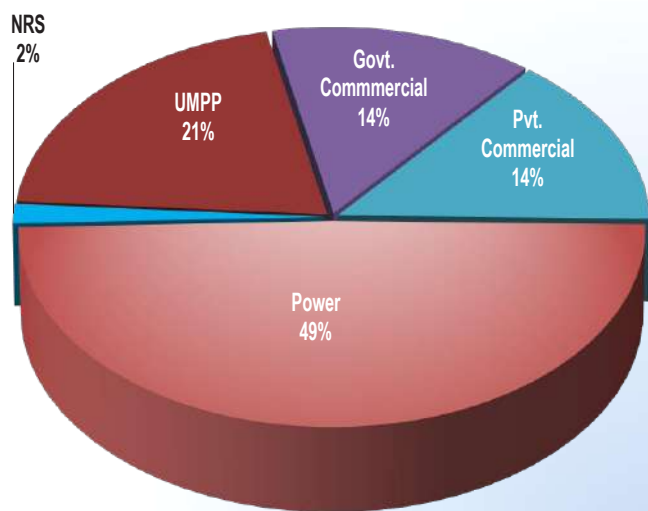
| Sl.No.                              | Block Allocated                                         | No. of Blocks | State where the Block is Located | Extractable Reserve (Qty. in MT) | Date of Allotment | Mode of Allocation | Name of the party                                    | Type of Company: PSU(S)/PSU© /Private | End-use Plant |
|-------------------------------------|---------------------------------------------------------|---------------|----------------------------------|----------------------------------|-------------------|--------------------|------------------------------------------------------|---------------------------------------|---------------|
| (1)                                 | (2)                                                     | (3)           | (4)                              | (5)                              | (6)               | (7)                | (8)                                                  | (9)                                   | (10)          |
| 78-83                               | Baranj – I, II, III, IV, Kiloni & Manora Deep           | 6             | Maharashtra                      | 90.35                            | 31.03.2015        | Allotted           | Karnataka Power Corporation Ltd                      | PSU(S)                                | Power         |
| 84                                  | Mahajanwadi                                             | 1             | Maharashtra                      | 200.00                           | 24.02.2016        | Allotted           | Maharashtra State Power Generation Corp. Ltd         | PSU(S)                                | Power         |
| <b>Total Maharashtra Power</b>      |                                                         | <b>7</b>      |                                  | <b>290.35</b>                    |                   |                    |                                                      |                                       |               |
| 85                                  | Marki Mangli III                                        | 1             | Maharashtra                      | 3.58                             | 17.04.2015        | Vested             | B.S. Ispat Ltd.                                      | PVT                                   | NRS           |
| 86                                  | Nerad Malegaon                                          | 1             | Maharashtra                      | 10.62                            | 22.04.2015        | Vested             | Indrajit Power Pvt. Ltd.                             | PVT                                   | NRS           |
| 87                                  | Marki Mangli-I                                          | 1             | Maharashtra                      | 2.02                             | 30.09.2015        | Vested             | Topworth Urja and Metals Ltd.                        | PVT                                   | NRS           |
| 88                                  | Belgaon                                                 | 1             | Maharashtra                      | 12.81                            | 23.03.2015        | Vested             | Sunflag Iron and Steel Co. Ltd                       | PVT                                   | NRS           |
| <b>Total Maharashtra NRS</b>        |                                                         | <b>4</b>      |                                  | <b>29.03</b>                     |                   |                    |                                                      |                                       |               |
| 89                                  | Marki Mangli II                                         | 1             | Maharashtra                      | 11.54                            | 03.03.2021        | Vested             | Yazdani International Private Limited                | PVT                                   | Commercial    |
| 90                                  | Takli Jena Bellora (North) & Takli Jena Bellora (South) | 1             | Maharashtra                      | 40.00                            | 03.03.2021        | Vested             | Aurobindo Reality and Infrastructure Private Limited | PVT                                   | Commercial    |
| <b>Total Maharashtra Commercial</b> |                                                         | <b>2</b>      |                                  | <b>51.54</b>                     |                   |                    |                                                      |                                       |               |
| 91                                  | Talabira-I                                              | 1             | Odisha                           | 2.40                             | 23.03.2015        | Vested             | GMR Chhattisgarh Energy Limited                      | PVT                                   | Power         |
| 92                                  | Dulanga                                                 | 1             | Odisha                           | 146.84                           | 08.09.2015        | Allotted           | NTPC Ltd                                             | PSU(C)                                | Power         |
| 93-94                               | Manoharpur & Dipside of Manoharpur                      | 2             | Odisha                           | 51.30                            | 31.08.2015        | Allotted           | Odisha Coal & Power Ltd.                             | PSU(S)                                | Power         |
| 95                                  | Naini                                                   | 1             | Odisha                           | 270.00                           | 13.08.2015        | Allotted           | The Singareni Collieries Co. Ltd.                    | PSU(C)                                | Power         |
| 96                                  | Talabira II & III                                       | 1             | Odisha                           | 552.97                           | 02.05.2016        | Allotted           | Neyveli Lignite Corporation Ltd.                     | PSU(C)                                | Power         |
| 97                                  | Mandakini B                                             | 1             | Odisha                           | 1200.00                          | 15.09.2015        | Allotted           | NTPC Ltd                                             | PSU(C)                                | Power         |
| 98                                  | Mandakini                                               | 1             | Odisha                           | 287.89                           | 02.03.2020        | Allotted           | Karnataka Power Corporation Ltd                      | PSU(S)                                | Power         |
| 99                                  | Utkal - C                                               | 1             | Odisha                           | 123.86                           | 02.03.2020        | Allotted           | Gujarat State Electricity Corporation Limited        | PSU(S)                                | Power         |
| 100                                 | Surapal-Nuapara                                         | 1             | Odisha                           | 200.00                           | 24.02.2016        | Allotted           | Andhra Pradesh Power Generation Co Ltd               | PSU(S)                                | Power         |
| 101                                 | Chandrabila                                             | 1             | Odisha                           | 200.00                           | 24.02.2016        | Allotted           | Tamil Nadu Generation & Distribution Corp Ltd        | PSU(S)                                | Power         |
| <b>Total Odisha Power</b>           |                                                         | <b>11</b>     |                                  | <b>3035.26</b>                   |                   |                    |                                                      |                                       |               |
| 102-103                             | Utkal E & D                                             | 2             | Odisha                           | 171.37                           | 02.05.2016        | Allotted           | NALCO                                                | PSU(C)                                | NRS           |
| 104                                 | Jamkhani                                                | 1             | Odisha                           | 132.73                           | 10.02.2020        | Vested             | Vedanta Limited                                      | PVT                                   | NRS           |
| <b>Total Odisha NRS</b>             |                                                         | <b>3</b>      |                                  | <b>304.10</b>                    |                   |                    |                                                      |                                       |               |
| 105                                 | Baitarni West                                           | 1             | Odisha                           | 602.00                           | 29.09.2016        | Allotted           | Odisha Mining Corporation Ltd.                       | PSU(S)                                | Commercial    |
| 106                                 | New Patrapara                                           | 1             | Odisha                           | 1042.00                          | 30.10.2019        | Allotted           | Singareni Collieries Ltd                             | PSU(S)                                | Commercial    |
| 107                                 | Radhikapur (East)                                       | 1             | Odisha                           | 172.00                           | 03.03.2021        | Vested             | EMIL Mines and Mineral Resources Limited             | PVT                                   | Commercial    |
| 108                                 | Radhikapur (West)                                       | 1             | Odisha                           | 258.00                           | 03.03.2021        | Vested             | Vedanta Limited                                      | PVT                                   | Commercial    |
| 109                                 | Brahmani                                                | 1             | Odisha                           | 58.90                            | 21.07.2016        | Allotted           | Odisha Minerals Development Company                  | PSU(S)                                | Commercial    |
| <b>Total Odisha Commercial</b>      |                                                         | <b>5</b>      |                                  | <b>2132.90</b>                   |                   |                    |                                                      |                                       |               |
| 110                                 | Tadicherla-I                                            | 1             | Telangana                        | 40.92                            | 31.08.2015        | Allotted           | Telangana State Power Generation Corpn. Ltd.         | PSU(S)                                | Power         |
| <b>Total Telangana Power</b>        |                                                         | <b>1</b>      |                                  | <b>40.92</b>                     |                   |                    |                                                      |                                       |               |
| 111                                 | Penagaddppa                                             | 1             | Telangana                        | 110.87                           | 15.12.2016        | Allotted           | M/s. Singareni Collieries Co. Ltd.                   | PSU(C)                                | Commercial    |
| <b>Total Telangana Commercial</b>   |                                                         | <b>1</b>      |                                  | <b>110.87</b>                    |                   |                    |                                                      |                                       |               |
| 112                                 | Trans Damodar                                           | 1             | W. B.                            | 19.32                            | 23.03.2015        | Vested             | The Durgapur Projects Ltd.                           | PSU(S)                                | Power         |
| 113                                 | Sarshatolli                                             | 1             | W. B.                            | 38.69                            | 23.03.2015        | Vested             | CESC Ltd.                                            | PVT                                   | Power         |
| 114                                 | Barjora (North)                                         | 1             | W. B.                            | 4.60                             | 31.03.2015        | Allotted           | West Bengal Power Development Corp. Ltd.             | PSU(C)                                | Power         |
| 115                                 | Khagra Joydev                                           | 1             | W. B.                            | 103.80                           | 31.03.2015        | Allotted           | Damodar Valley Corporation                           | PSU(C)                                | Power         |
| 116-117                             | Tara (East) and Tara (West)                             | 2             | W. B.                            | 11.06                            | 31.03.2015        | Allotted           | West Bengal Power Development Corp. Ltd.             | PSU(S)                                | Power         |
| 118-119                             | Gangaramchak & Gangaramchak Bhadulia                    | 2             | W. B.                            | 7.76                             | 31.03.2015        | Allotted           | West Bengal Power Development Corp. Ltd.             | PSU(S)                                | Power         |
|                                     |                                                         |               |                                  |                                  |                   |                    |                                                      |                                       | Contd...      |

Table 9.6: State Wise List of Captive &amp; Commercial Coal Blocks that Stand Vested/Allocated upto 2020-21 (Except CIL as Custodian)

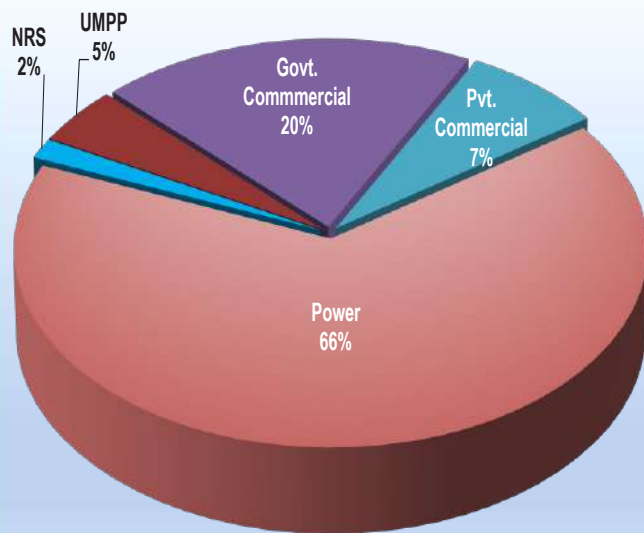
| Sl.No.                              | Block Allocated                      | No. of Blocks | State where the Block is Located | Extractable Reserve (Qty. in MT) | Date of Allotment | Mode of Allocation | Name of the party                                    | Type of Company: PSU(S)/PSU©/Private | End-use Plant |
|-------------------------------------|--------------------------------------|---------------|----------------------------------|----------------------------------|-------------------|--------------------|------------------------------------------------------|--------------------------------------|---------------|
| (1)                                 | (2)                                  | (3)           | (4)                              | (5)                              | (6)               | (7)                | (8)                                                  | (9)                                  | (10)          |
| 120                                 | Barjora                              | 1             | W. B.                            | 0.03                             | 31.03.2015        | Allotted           | West Bengal Power Development Corp. Ltd.             | PSU(S)                               | Power         |
| 121                                 | Kasta East                           | 1             | W. B.                            | 47.00                            | 16.05.2016        | Allotted           | West Bengal Power Development Corp. Ltd.             | PSU(S)                               | Power         |
| 122                                 | Deocha Pachami Dewanganj Harinsingha | 1             | W. B.                            | 2102.00                          | 06.06.2018        | Allotted           | West Bengal Power Development Corp. Ltd.             | PSU(S)                               | Power         |
| <b>Total West Bengal power</b>      |                                      | <b>11</b>     |                                  | <b>2334.26</b>                   |                   |                    |                                                      |                                      |               |
| 123                                 | Ardhagram                            | 1             | W. B.                            | 1.32                             | 14.07.2016        | Vested             | OCL Iron and Steel Ltd.                              | PVT                                  | NRS           |
| 124                                 | Jagannathpur B                       | 1             | W. B.                            | 169.00                           | 13.02.2020        | Vested             | Powerplus Traders Private Limited                    | PVT                                  | NRS           |
| <b>Total West Bengal NRS</b>        |                                      | <b>2</b>      |                                  | <b>170.32</b>                    |                   |                    |                                                      |                                      |               |
| 125                                 | Gourangdih ABC                       | 1             | W. B.                            | 131.00                           | 29.09.2016        | Allotted           | West Bengal Mineral Development & Trading Corp. Ltd. | PSU(S)                               | Commercial    |
| 126                                 | East of Danagoria                    | 1             | W. B.                            | 337.00                           | 21.11.2019        | Allotted           | BCCL                                                 | PSU(C)                               | Commercial    |
| <b>Total West Bengal Commercial</b> |                                      | <b>2</b>      |                                  | <b>468.00</b>                    |                   |                    |                                                      |                                      |               |
| <b>All India Total</b>              |                                      | <b>126</b>    |                                  | <b>21488.45</b>                  |                   |                    |                                                      |                                      |               |

Note: Geological Reserve/Extractable Reserve quantities as available with this office.

Sector Wise Number Allotment of Captive Coal Blocks



Sector Wise Extractable Reserve of Captive Coal Blocks



**Table 9.7: Sector Wise List of Captive & Commercial Coal Blocks that Stand Vested/Allocated upto 2020-21  
(Except CIL as Custodian)**

| Sl.No.                     | Block Allocated                   | No. of Blocks | State where the Block is Located | Extractable Reserve (Qty. in MT) | Date of Allotment | Mode of Allocation | Name of the Party                                    | Type of Company: PSU(S)/ PSU(C)/Private | End-use Plant |
|----------------------------|-----------------------------------|---------------|----------------------------------|----------------------------------|-------------------|--------------------|------------------------------------------------------|-----------------------------------------|---------------|
| (1)                        | (2)                               | (3)           | (4)                              | (5)                              | (6)               | (7)                | (8)                                                  | (9)                                     | (10)          |
| 1                          | Gare Palma IV/4                   | 1             | Chhattisgarh                     | 7.94                             | 23.03.15          | Vested             | Hindalco Industries Ltd.                             | PVT                                     | NRS           |
| 2                          | Gare Palma IV/5                   | 1             | Chhattisgarh                     | 74.69                            | 23.03.15          | Vested             | Hindalco Industries Ltd.                             | PVT                                     | NRS           |
| 3                          | Chotia                            | 1             | Chhattisgarh                     | 7.38                             | 23.03.15          | Vested             | Bharat Aluminium Company Ltd.                        | PVT                                     | NRS           |
| 4                          | Gare Palma IV/8                   | 1             | Chhattisgarh                     | 45.18                            | 22.04.15          | Vested             | Ambuja Cements Ltd.                                  | PVT                                     | NRS           |
| 5                          | Bhaskarpara                       | 1             | Chhattisgarh                     | 46.91                            | 10.02.20          | Vested             | Prakash Industries Limited                           | PVT                                     | NRS           |
| 6-7                        | Moitra                            | 1             | Jharkhand                        | 29.91                            | 22.04.15          | Vested             | JSW Steel Ltd.                                       | PVT                                     | NRS           |
| 8                          | Brinda & Sasai                    | 2             | Jharkhand                        | 25.40                            | 22.04.15          | Vested             | Usha Martin Ltd                                      | PVT                                     | NRS           |
| 9                          | Meral                             | 1             | Jharkhand                        | 12.67                            | 22.04.15          | Vested             | Trimula Industries Ltd.                              | PVT                                     | NRS           |
| 10                         | Lohari                            | 1             | Jharkhand                        | 9.05                             | 22.04.15          | Vested             | Araanya Mines Private Ltd.                           | PVT                                     | NRS           |
| 11                         | Kathautia                         | 1             | Jharkhand                        | 21.47                            | 23.03.15          | Vested             | Hindalco Industries Ltd.                             | PVT                                     | NRS           |
| 12                         | Dumri                             | 1             | Jharkhand                        | 46.14                            | 22.04.15          | Vested             | Hindalco Industries Ltd.                             | PVT                                     | NRS           |
| 13                         | Marki Mangli III                  | 1             | Maharashtra                      | 3.58                             | 17.04.15          | Vested             | B.S. Ispat Ltd.                                      | PVT                                     | NRS           |
| 14                         | Nerad Malegaon                    | 1             | Maharashtra                      | 10.62                            | 22.04.15          | Vested             | Indrajit Power Pvt. Ltd.                             | PVT                                     | NRS           |
| 15                         | Marki Mangli-I                    | 1             | Maharashtra                      | 2.02                             | 30.09.15          | Vested             | Topworth Urja and Metals Ltd.                        | PVT                                     | NRS           |
| 16                         | Belgaon                           | 1             | Maharashtra                      | 12.81                            | 23.03.15          | Vested             | Sunflag Iron and Steel Co. Ltd                       | PVT                                     | NRS           |
| 17                         | Sial Ghogri                       | 1             | M. P.                            | 5.31                             | 23.03.15          | Vested             | Reliance Cement Company Pvt. Ltd.                    | PVT                                     | NRS           |
| 18                         | Bicharpur                         | 1             | M. P.                            | 29.12                            | 23.03.15          | Vested             | UltraTech Cement Ltd.                                | PVT                                     | NRS           |
| 19                         | Bikram                            | 1             | M. P.                            | 20.97                            | 10.02.20          | Vested             | Birla Corporation Limited                            | PVT                                     | NRS           |
| 20                         | Brahampuri                        | 1             | M. P.                            | 37.00                            | 10.02.20          | Vested             | Birla Corporation Limited                            | PVT                                     | NRS           |
| 21                         | Jamkhani                          | 1             | Odisha                           | 132.73                           | 10.02.20          | Vested             | Vedanta Limited                                      | PVT                                     | NRS           |
| 22                         | Ardhagram                         | 1             | W. B.                            | 1.32                             | 14.07.16          | Vested             | OCL Iron And Steel Ltd.                              | PVT                                     | NRS           |
| 23                         | Jagannathpur B                    | 1             | W. B.                            | 169.00                           | 13.02.20          | Vested             | Powerplus Traders Private Limited                    | PVT                                     | NRS           |
| <b>Total Private NRS</b>   |                                   | <b>23</b>     |                                  | <b>751.22</b>                    |                   |                    |                                                      |                                         |               |
| 24                         | Amelia (North)                    | 1             | M. P.                            | 51.98                            | 23.03.15          | Vested             | Jaiprakash Power Ventures Ltd.                       | PVT                                     | Power         |
| 25                         | Jitpur                            | 1             | Jharkhand                        | 65.54                            | 22.04.15          | Vested             | Adani Power Ltd.                                     | PVT                                     | Power         |
| 26                         | Ganeshpur                         | 1             | Jharkhand                        | 91.80                            | 22.04.15          | Vested             | GMR Chhattisgarh Energy Limited                      | PVT                                     | Power         |
| 27                         | Talabira-I                        | 1             | Odisha                           | 2.40                             | 23.03.15          | Vested             | GMR Chhattisgarh Energy Limited                      | PVT                                     | Power         |
| 28                         | Sarshatolli                       | 1             | W. B.                            | 38.69                            | 23.03.15          | Vested             | CESC Ltd.                                            | PVT                                     | Power         |
| <b>Total Private Power</b> |                                   | <b>5</b>      |                                  | <b>250.41</b>                    |                   |                    |                                                      |                                         |               |
| 29                         | Gare Palma IV-7                   | 1             | Chhattisgarh                     | 52.98                            | 08.03.21          | Vested             | Sarda Energy and Minerals Limited                    | PVT                                     | Commercial    |
| 30                         | Gare Palma IV-1                   | 1             | Chhattisgarh                     | 38.96                            | 2021              | Vested             | Jindal Power Limited                                 | PVT                                     | Commercial    |
| 31                         | Chakla                            | 1             | Jharkhand                        | 83.10                            | 03.03.21          | Vested             | Hindalco Industries Limited                          | PVT                                     | Commercial    |
| 32                         | Gondulpara                        | 1             | Jharkhand                        | 74.88                            | 08.03.21          | Vested             | Adani Enterprises Limited                            | PVT                                     | Commercial    |
| 33                         | Rajhara North (Central & Eastern) | 1             | Jharkhand                        | 17.09                            | 03.03.21          | Vested             | Fairmine Carbons Private Limited                     | PVT                                     | Commercial    |
| 34                         | Urma Paharitola                   | 1             | Jharkhand                        | 700.00                           | 03.03.21          | Vested             | Aurobindo Reality and Infrastructure Private Limited | PVT                                     | Commercial    |

Contd.....

**Table 9.7: Sector Wise List of Captive & Commercial Coal Blocks that Stand Vested/Allocated upto 2020-21  
(Except CIL as Custodian)**

| Sl.No.                      | Block Allocated                                         | No. of Blocks | State where the Block is Located | Extractable Reserve (Qty. in MT) | Date of Allotment | Mode of Allocation | Name of the Party                                    | Type of Company: PSU(S)/ PSU(C)/Private | End-use Plant |
|-----------------------------|---------------------------------------------------------|---------------|----------------------------------|----------------------------------|-------------------|--------------------|------------------------------------------------------|-----------------------------------------|---------------|
| 35-36                       | Gotitoria (East) & Gotitoria (West)                     | 2             | M. P.                            | 9.34                             | 2021              | Vested             | Boulder Stone Mart Private Limited                   | PVT                                     | Commercial    |
| 37                          | Sahapur West                                            | 1             | M. P.                            | 42.00                            | 03.03.21          | Vested             | Sarda Energy and Minerals Limited                    | PVT                                     | Commercial    |
| 38                          | Sahapur East                                            | 1             | M. P.                            | 63.63                            | 03.03.21          | Vested             | Chowgule and Company Private Limited                 | PVT                                     | Commercial    |
| 39                          | Urtan North                                             | 1             | M. P.                            | 69.82                            | 03.03.21          | Vested             | JMS Mining Private Limited                           | PVT                                     | Commercial    |
| 40                          | Bandha                                                  | 1             | M. P.                            |                                  | 03.03.21          | Allotted           | EMIL Mines and Mineral Resources Limited             | PVT                                     | Commercial    |
| 41                          | Dhirauli                                                | 1             | M. P.                            |                                  | 03.03.21          | Allotted           | Startech Mineral Resources Pvt. Ltd.                 | PVT                                     | Commercial    |
| 42                          | Urtan                                                   | 1             | M. P.                            |                                  | 03.03.21          | Allotted           | JMS Mining Private Limited                           | PVT                                     | Commercial    |
| 43                          | Marki Mangli II                                         | 1             | Maharashtra                      | 11.54                            | 03.03.21          | Vested             | Yazdani International Private Limited                | PVT                                     | Commercial    |
| 44                          | Takli Jena Bellora (North) & Takli Jena Bellora (South) | 1             | Maharashtra                      | 40.00                            | 03.03.21          | Vested             | Aurobindo Reality and Infrastructure Private Limited | PVT                                     | Commercial    |
| 45                          | Radhikapur (East)                                       | 1             | Odisha                           | 172.00                           | 03.03.21          | Vested             | EMIL Mines and Mineral Resources Limited             | PVT                                     | Commercial    |
| 46                          | Radhikapur (West)                                       | 1             | Odisha                           | 258.00                           | 03.03.21          | Vested             | Vedanta Limited                                      | PVT                                     | Commercial    |
| <b>Total PVT Commercial</b> |                                                         | <b>18</b>     |                                  | <b>1633.34</b>                   |                   |                    |                                                      |                                         |               |
| 47-48                       | Utkal E & D                                             | 2             | Odisha                           | 171.37                           | 02.05.16          | Allotted           | NALCO                                                | PSU(C)                                  | NRS           |
| 49                          | Tasra                                                   | 1             | Jharkhand                        | 96.31                            | 26.02.1996        | Allotted           | SAIL                                                 | PSU(C)                                  | NRS           |
| <b>Total PSU NRS</b>        |                                                         | <b>3</b>      |                                  | <b>267.68</b>                    |                   |                    |                                                      |                                         |               |
| 50                          | Gare Palma Sector-I                                     | 1             | Chhattisgarh                     | 194.00                           | 14.09.15          | Allotted           | Gujarat State Electricity Corporation Limited        | PSU(S)                                  | Power         |
| 51-52                       | Gidhmuri & Paturia                                      | 2             | Chhattisgarh                     | 257.83                           | 13.10.15          | Allotted           | Chhattisgarh State Power Generation Co Ltd           | PSU(S)                                  | Power         |
| 53                          | Parsa                                                   | 1             | Chhattisgarh                     | 184.26                           | 08.09.15          | Allotted           | Rajasthan Rajya Vidyut Utpadan Nigam Ltd             | PSU(S)                                  | Power         |
| 54                          | Gare Pelma Sector II                                    | 1             | Chhattisgarh                     | 655.15                           | 31.08.15          | Allotted           | Maharashtra State Power Generation Co Ltd            | PSU(S)                                  | Power         |
| 55-56                       | Parsa East & Kanta Basan                                | 2             | Chhattisgarh                     | 378.23                           | 31.03.15          | Allotted           | Rajasthan Rajya Vidyut Utpadan Nigam Ltd             | PSU(S)                                  | Power         |
| 57                          | Gare Palma Sector-III                                   | 1             | Chhattisgarh                     | 92.69                            | 14.09.15          | Allotted           | Chhattisgarh State Power Generation Co Ltd           | PSU(S)                                  | Power         |
| 58-59                       | Durgapur-II/Taraimar & Durgapur-II/Sarya                | 2             | Chhattisgarh                     | 303.04                           | 31.12.19          | Allotted           | Karnataka Power Corporation Ltd                      | PSU(S)                                  | Power         |
| 60                          | Talaipalli                                              | 1             | Chhattisgarh                     | 842.68                           | 08.09.15          | Allotted           | NTPC Ltd.                                            | PSU(C)                                  | Power         |
| 61                          | Kente Extn                                              | 1             | Chhattisgarh                     | 200.00                           | 31.03.15          | Allotted           | Rajasthan Rajya Vidyut Utpadan Nigam Ltd             | PSU(S)                                  | Power         |
| 62                          | Banai                                                   | 1             | Chhattisgarh                     | 200.00                           | 31.03.15          | Allotted           | NTPC Ltd                                             | PSU(C)                                  | Power         |
| 63                          | Bhalumuda                                               | 1             | Chhattisgarh                     | 200.00                           | 31.03.15          | Allotted           | NTPC Ltd                                             | PSU(C)                                  | Power         |
| 64-65                       | Chatti Bariatu, Chatti Bariatu South                    | 2             | Jharkhand                        | 390.96                           | 08.09.15          | Allotted           | NTPC Ltd.                                            | PSU(C)                                  | Power         |
| 66                          | Saharpur Jamarpani                                      | 1             | Jharkhand                        | 524.00                           | 13.08.15          | Allotted           | UP Rajya Vidyut Utpadan Nigam Ltd.                   | PSU(C)                                  | Power         |
| 67                          | Tubed                                                   | 1             | Jharkhand                        | 189.82                           | 08.06.16          | Allotted           | Damodar Valley Corporation                           | PSU(C)                                  | Power         |

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**Table 9.7: Sector Wise List of Captive & Commercial Coal Blocks that Stand Vested/Allocated upto 2020-21  
(Except CIL as Custodian)**

| Sl.No.  | Block Allocated                               | No. of Blocks | State where the Block is Located | Extractable Reserve (Qty. in MT) | Date of Allotment | Mode of Allocation | Name of the Party                                                                                                    | Type of Company: PSU(S)/ PSU(C)/Private | End-use Plant |
|---------|-----------------------------------------------|---------------|----------------------------------|----------------------------------|-------------------|--------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------|
| 68      | Pachwara Central                              | 1             | Jharkhand                        | 239.75                           | 31.03.15          | Allotted           | Punjab State Power Corp. Ltd.                                                                                        | PSU(S)                                  | Power         |
| 69      | Badam                                         | 1             | Jharkhand                        | 90.50                            | 31.08.15          | Allotted           | Bihar State Power Generation Co. Ltd.                                                                                | PSU(S)                                  | Power         |
| 70      | Pachwara North                                | 1             | Jharkhand                        | 383.60                           | 31.03.15          | Allotted           | WBPDC                                                                                                                | PSU(S)                                  | Power         |
| 71      | Rajbar E&D                                    | 1             | Jharkhand                        | 526.05                           | 30.06.15          | Allotted           | Tenughat Vidyut Nigam Limited (TVNL)                                                                                 | PSU(S)                                  | Power         |
| 72      | Banhardih                                     | 1             | Jharkhand                        | 553.00                           | 30.06.15          | Allotted           | Jharkhand Urja Utpadan Nigam Ltd.                                                                                    | PSU(S)                                  | Power         |
| 73      | Kerandari                                     | 1             | Jharkhand                        | 142.01                           | 08.09.15          | Allotted           | NTPC Ltd.                                                                                                            | PSU(C)                                  | Power         |
| 74      | Kalyanpur-Badalpara                           | 1             | Jharkhand                        | 200.00                           | 24.02.16          | Allotted           | Haryana Powe Generation Corp Ltd                                                                                     | PSU(S)                                  | Power         |
| 75      | Pachwara South                                | 1             | Jharkhand                        | 279.00                           | 03.10.16          | Allotted           | M/s Neyveli Uttar Pradesh Power Ltd (JV of NLC India Ltd CPSU and Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd SPSU) | PSU(C)                                  | Power         |
| 76      | Pakri Barwadi                                 | 1             | Jharkhand                        | 616.13                           | 11.10.2004        | Allotted           | NTPC                                                                                                                 | PSU(C)                                  | Power         |
| 77-82   | Baranj – I, II, III, IV, Kiloni & Manora Deep | 6             | Maharashtra                      | 90.35                            | 31.03.15          | Allotted           | Karnataka Power Corporation Ltd                                                                                      | PSU(S)                                  | Power         |
| 83      | Mahajanwadi                                   | 1             | Maharashtra                      | 200.00                           | 24.02.16          | Allotted           | Maharashtra State Power Generation Corp. Ltd                                                                         | PSU(S)                                  | Power         |
| 84      | Amelia                                        | 1             | M. P.                            | 393.60                           | 17.01.17          | Allotted           | THDC India Limited (JV of Govt. of India & Govt. of U.P.)                                                            | PSU(C)                                  | Power         |
| 85      | Gondbahera Ujjeni                             | 1             | M. P.                            | 200.00                           | 31.03.15          | Allotted           | Madhya Pradesh Power Generating Co Ltd                                                                               | PSU(S)                                  | Power         |
| 86-87   | Moher, Moher-Amlori Extn.                     | 2             | M. P.                            | 351.81                           | 13.09.2006        | Allotted           | Power Finance Corporation                                                                                            | PSU(C)                                  | UMPP          |
| 88      | Dulanga                                       | 1             | Odisha                           | 146.84                           | 08.09.15          | Allotted           | NTPC Ltd.                                                                                                            | PSU(C)                                  | Power         |
| 89      | Naini                                         | 1             | Odisha                           | 270.00                           | 13.08.15          | Allotted           | The Singareni Collieries Co. Ltd.                                                                                    | PSU(C)                                  | Power         |
| 90-91   | Manoharpur & Dipside of Manoharpur            | 2             | Odisha                           | 51.30                            | 31.08.15          | Allotted           | Odisha Coal & Power Ltd.                                                                                             | PSU(S)                                  | Power         |
| 92      | Talabira-II & III                             | 1             | Odisha                           | 552.97                           | 02.05.16          | Allotted           | Neyveli Lignite Corporation Ltd.                                                                                     | PSU(C)                                  | Power         |
| 93      | Mandakini B                                   | 1             | Odisha                           | 1200.00                          | 15.09.16          | Allotted           | NTPC Ltd.                                                                                                            | PSU(C)                                  | Power         |
| 94      | Mandakini                                     | 1             | Odisha                           | 287.89                           | 31.12.19          | Allotted           | Karnataka Power Corporation Ltd                                                                                      | PSU(S)                                  | Power         |
| 95      | Utkal - C                                     | 1             | Odisha                           | 123.86                           | 02.03.20          | Allotted           | Gujarat State Electricity Corporation Limited                                                                        | PSU(S)                                  | Power         |
| 96      | Surapal-Nuapara                               | 1             | Odisha                           | 200.00                           | 24.02.16          | Allotted           | Andhra Pradesh Power Generation Co Ltd                                                                               | PSU(S)                                  | Power         |
| 97      | Chandrabila                                   | 1             | Odisha                           | 200.00                           | 24.02.16          | Allotted           | Tamil Nadu Generation & Distribution Corp Ltd                                                                        | PSU(S)                                  | Power         |
| 98      | Tadicherla-I                                  | 1             | Telangana                        | 40.92                            | 31.08.15          | Allotted           | Telangana State Power Generation Corpn. Ltd.                                                                         | PSU(S)                                  | Power         |
| 99      | Trans Damodar                                 | 1             | W. B.                            | 19.32                            | 23.03.15          | Vested             | The Durgapur Projects Ltd.                                                                                           | PSU(S)                                  | Power         |
| 100     | Barjora (North)                               | 1             | W. B.                            | 4.60                             | 31.03.15          | Allotted           | WBPDC                                                                                                                | PSU(C)                                  | Power         |
| 101     | Khagra Joydev                                 | 1             | W. B.                            | 103.80                           | 31.03.15          | Allotted           | Damodar Valley Corporation                                                                                           | PSU(C)                                  | Power         |
| 102-103 | Tara (East) and Tara (West)                   | 2             | W. B.                            | 11.06                            | 31.03.15          | Allotted           | WBPDC                                                                                                                | PSU(S)                                  | Power         |

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**Table 9.7: Sector Wise List of Captive & Commercial Coal Blocks that Stand Vested/Allocated upto 2020-21  
(Except CIL as Custodian)**

| Sl.No.                      | Block Allocated                      | No. of Blocks | State where the Block is Located | Extractable Reserve (Qty. in MT) | Date of Allotment | Mode of Allocation | Name of the Party                                                                                         | Type of Company: PSU(S)/ PSU(C)/Private | End-use Plant |
|-----------------------------|--------------------------------------|---------------|----------------------------------|----------------------------------|-------------------|--------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------|
| 104-105                     | Gangaramchak & Gangaramchak Bhadulia | 2             | W. B.                            | 7.76                             | 31.03.15          | Allotted           | WBPDCL                                                                                                    | PSU(S)                                  | Power         |
| 106                         | Barjora                              | 1             | W. B.                            | 0.03                             | 31.03.15          | Allotted           | WBPDCL                                                                                                    | PSU(S)                                  | Power         |
| 107                         | Kasta East                           | 1             | W. B.                            | 47.00                            | 16.05.16          | Allotted           | WBPDCL                                                                                                    | PSU(S)                                  | Power         |
| 108                         | Deocha Pachami Dewanganj Harinsingha | 1             | W. B.                            | 2102.00                          | 06.06.18          | Allotted           | WBPDCL                                                                                                    | PSU(S)                                  | Power         |
| <b>Total PSU Power</b>      |                                      | <b>59</b>     |                                  | <b>14247.81</b>                  |                   |                    |                                                                                                           |                                         |               |
| 109                         | Madanpur South                       | 1             | Chhattisgarh                     | 183.38                           | 29.09.16          | Allotted           | The Andhra Pradesh Mineral Development Corp. Ltd.                                                         | PSU(S)                                  | Commercial    |
| 110                         | Kerwa                                | 1             | Chhattisgarh                     | 112.94                           | 21.07.16          | Allotted           | Kerwa Coal Ltd ( Joint Venture of Chhattisgarh Mineral Development Corpn. And M.P. state Mining Corp Ltd. | PSU(S)                                  | Commercial    |
| 111                         | Patal East                           | 1             | Jharkhand                        | 200.00                           | 29.09.16          | Allotted           | Jharkhand Mineral Development Corporation Ltd.                                                            | PSU(S)                                  | Commercial    |
| 112-113                     | Kotre Basantpur & Pachmo             | 2             | Jharkhand                        | 251.30                           | 19.04.18          | Allotted           | Coal India Ltd.                                                                                           | PSU(C)                                  | Commercial    |
| 114                         | Amarkonda Murgadangal                | 1             | Jharkhand                        | 410.00                           | 24.01.19          | Allotted           | Coal India Ltd.                                                                                           | PSU(C)                                  | Commercial    |
| 115                         | Tokisud North                        | 1             | Jharkhand                        | 51.97                            | 22.09.20          | Allotted           | NMDC Limited                                                                                              | PSU(C)                                  | Commercial    |
| 116                         | Sugia Closed Mine                    | 1             | Jharkhand                        | 4.00                             | 22.09.20          | Allotted           | Jharkhand State Mineral Development Corp Ltd                                                              | PSU(S)                                  | Commercial    |
| 117                         | Rohne                                | 1             | Jharkhand                        | 241.00                           | 16.12.19          | Allotted           | NMDC Limited                                                                                              | PSU(C)                                  | Commercial    |
| 118                         | Rabodh                               | 1             | Jharkhand                        | 450.00                           | 16.12.19          | Allotted           | Rashtriya Ispat Nigam Limited                                                                             | PSU(C)                                  | Commercial    |
| 119                         | Brahmadiha                           | 1             | Jharkhand                        | 10.63                            | 02.03.21          | Vested             | Andhra Pradesh Mineral Development Corporation Ltd.                                                       | PSU(S)                                  | Commercial    |
| 120                         | Suliyari                             | 1             | M. P.                            | 141.00                           | 29.09.16          | Allotted           | Andhra Pradesh Mineral Development Corporation Ltd.                                                       | PSU(S)                                  | Commercial    |
| 121                         | Baitarni West                        | 1             | Odisha                           | 602.00                           | 29.09.16          | Allotted           | Odisha Mining Corporation Ltd.                                                                            | PSU(S)                                  | Commercial    |
| 122                         | New Patrapara                        | 1             | Odisha                           | 1042.00                          | 30.10.19          | Allotted           | Singareni Collieries Ltd                                                                                  | PSU(S)                                  | Commercial    |
| 123                         | Brahmini                             | 1             | Odisha                           | 58.90                            | 24.01.19          | Allotted           | Coal India Ltd.                                                                                           | PSU(C)                                  | Commercial    |
| 124                         | Penagaddppa                          | 1             | Telangana                        | 110.87                           | 15.12.16          | Allotted           | M/s. Singareni Collieries Co. Ltd.                                                                        | PSU(C)                                  | Commercial    |
| 125                         | Gourangdih ABC                       | 1             | W. B.                            | 131.00                           | 29.09.16          | Allotted           | West Bengal Mineral Development & Trading Corp. Ltd.                                                      | PSU(S)                                  | Commercial    |
| 126                         | East of Danagoria                    | 1             | W. B.                            | 337.00                           | 21.11.19          | Allotted           | BCCL                                                                                                      | PSU(C)                                  | Commercial    |
| <b>Total PSU Commercial</b> |                                      | <b>18</b>     |                                  | <b>4337.99</b>                   |                   |                    |                                                                                                           |                                         |               |
| <b>All Total</b>            |                                      | <b>126</b>    |                                  | <b>21488.45</b>                  |                   |                    |                                                                                                           |                                         |               |

**Note:** Geological Reserve/Extractable Reserve quantities as available with this office.

**Table 9.8: Coal Blocks Allotted under Auction by MMDR Act as per Records Available in this office**

| Sl. No.          | Name of Block                        | State          | Name of Successful Bidder/Allottee                                                                                                | No. of Blocks | Allotted/ Vested | Date of Allotment | Estimated GR (Qty. in MT) | Specified EUP     |
|------------------|--------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|-------------------|---------------------------|-------------------|
| (1)              | (2)                                  | (3)            | (4)                                                                                                                               | (5)           | (6)              | (7)               | (8)                       | (9)               |
| 1                | Kente Extn                           | Chattisgarh    | Rajasthan Rajya Vidyut Utpadan Nigam Ltd                                                                                          | 1             | Allotted         | 31.03.2015        | 200.00                    | Power             |
| 2                | Gondbahera-Ujjeni                    | Madhya Pradesh | Madhya Pradesh Power Generating Company Ltd.                                                                                      | 1             | Allotted         | 31.03.2015        | 532.00                    | Power             |
| 3                | Banai                                | Chattisgarh    | NTPC Ltd                                                                                                                          | 1             | Allotted         | 31.03.2015        | 629.00                    | Power             |
| 4                | Bhalumuda                            | Chattisgarh    | NTPC Ltd                                                                                                                          | 1             | Allotted         | 31.03.2015        | 550.00                    | Power             |
| 5                | Sarapal-Nuapara                      | Odisha         | Andhra Pradesh Power Generation Corp Ltd                                                                                          | 1             | Allotted         | 24.02.2016        | 701.00                    | Power             |
| 6                | Chandrabila                          | Odisha         | Tamil Nadu Generation & Distribution Corp Ltd                                                                                     | 1             | Allotted         | 24.02.2016        | 550.00                    | Power             |
| 7                | Mahajanwadi                          | Maharashtra    | Maharashtra Power Generation Corp Ltd                                                                                             | 1             | Allotted         | 24.02.2016        | 340.00                    | Power             |
| 8                | Kalyanpur-Badalpara                  | Jharkhand      | Haryana Power Generation Corp Ltd                                                                                                 | 1             | Allotted         | 24.02.2016        | 102.00                    | Power             |
| 9                | Kerwa                                | Chattisgarh    | Kerwa Coal Limited (Joint Venture of Chhattisgarh Mineral Development Corpn. and M.P. State Mining Corporation Ltd.)              | 1             | Allotted         | 21.07.2016        | 112.94                    | Commercial Mining |
| 10               | Brahmani                             | Odisha         | Orissa Minerals Development Company                                                                                               | 1             | Allotted         | 21.07.2016        | 58.90                     | Commercial Mining |
| 11               | Pachwara South                       | Jharkhand      | M/s. Neyveli Uttar Pradesh Power Limited (JV of NLC India Limited CPSU and Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited SPSU) | 1             | Allotted         | 03.10.2016        | 279.00                    | Power             |
| 12               | Bandha                               | Madhya Pradesh | EMIL Mines and Mineral Resources Limited                                                                                          | 1             | Allotted         | 3/3/2021          |                           | Sale of Coal      |
| 13               | Dhirauli                             | Madhya Pradesh | Startech Mineral Resources Pvt. Ltd.                                                                                              | 1             | Allotted         | 3/3/2021          |                           | Sale of Coal      |
| 14               | Urtan                                | Madhya Pradesh | JMS Mining Private Limited                                                                                                        | 1             | Allotted         | 3/3/2021          |                           | Sale of Coal      |
| 15               | Deocha Pachami Dewanganj Harinsingha | West Bengal    | WBPDCCL                                                                                                                           | 1             | Allotted         | 6/6/2018          | 2102.00                   | Power             |
| <b>All Total</b> |                                      |                |                                                                                                                                   | <b>15</b>     |                  |                   | <b>6156.84</b>            |                   |

Table 9.9: List of Coal Blocks under Custodian upto 2020-21

| Sl.No.                         | Block Allocated        | No. of Blocks | State where the Block is Located | Geological/ Extractable Reserve (Qty. in MT) | Name of the Party         | Type of Company: PSU(S)/ PSU(C)/ Private | End-use Plant |
|--------------------------------|------------------------|---------------|----------------------------------|----------------------------------------------|---------------------------|------------------------------------------|---------------|
| (1)                            | (2)                    | (3)           | (4)                              | (5)                                          | (6)                       | (7)                                      | (8)           |
| 1                              | Namchik Namphuk        | 1             | Arunachal Pradesh                | 4.79                                         | Chairman, CIL (Custodian) | PSU(C)                                   | Commercial    |
| <b>Total Arunachal Pradesh</b> |                        | <b>1</b>      |                                  | <b>4.79</b>                                  |                           |                                          |               |
| 2-3                            | Gare-Palma-IV/2 & IV/3 | 2             | Chhattisgarh                     | 178.86                                       | Chairman, CIL (Custodian) | PSU(C)                                   | Commercial    |
| <b>Total Chhattisgarh</b>      |                        | <b>2</b>      |                                  | <b>178.86</b>                                |                           |                                          |               |
| 4                              | Parbarpur Central      | 1             | Jharkhand                        | 52.16                                        | Chairman, CIL (Custodian) | PSU(C)                                   | NRS           |
| <b>Total Jharkhand</b>         |                        | <b>1</b>      |                                  | <b>52.16</b>                                 |                           |                                          |               |
| <b>Total</b>                   |                        | <b>4</b>      |                                  | <b>235.81</b>                                |                           |                                          |               |

Note: Geological Reserve/Extractable Reserve quantities as available with this office.

Table 9.10: List of Coal Blocks not Cancelled by Hon'ble Supreme Court

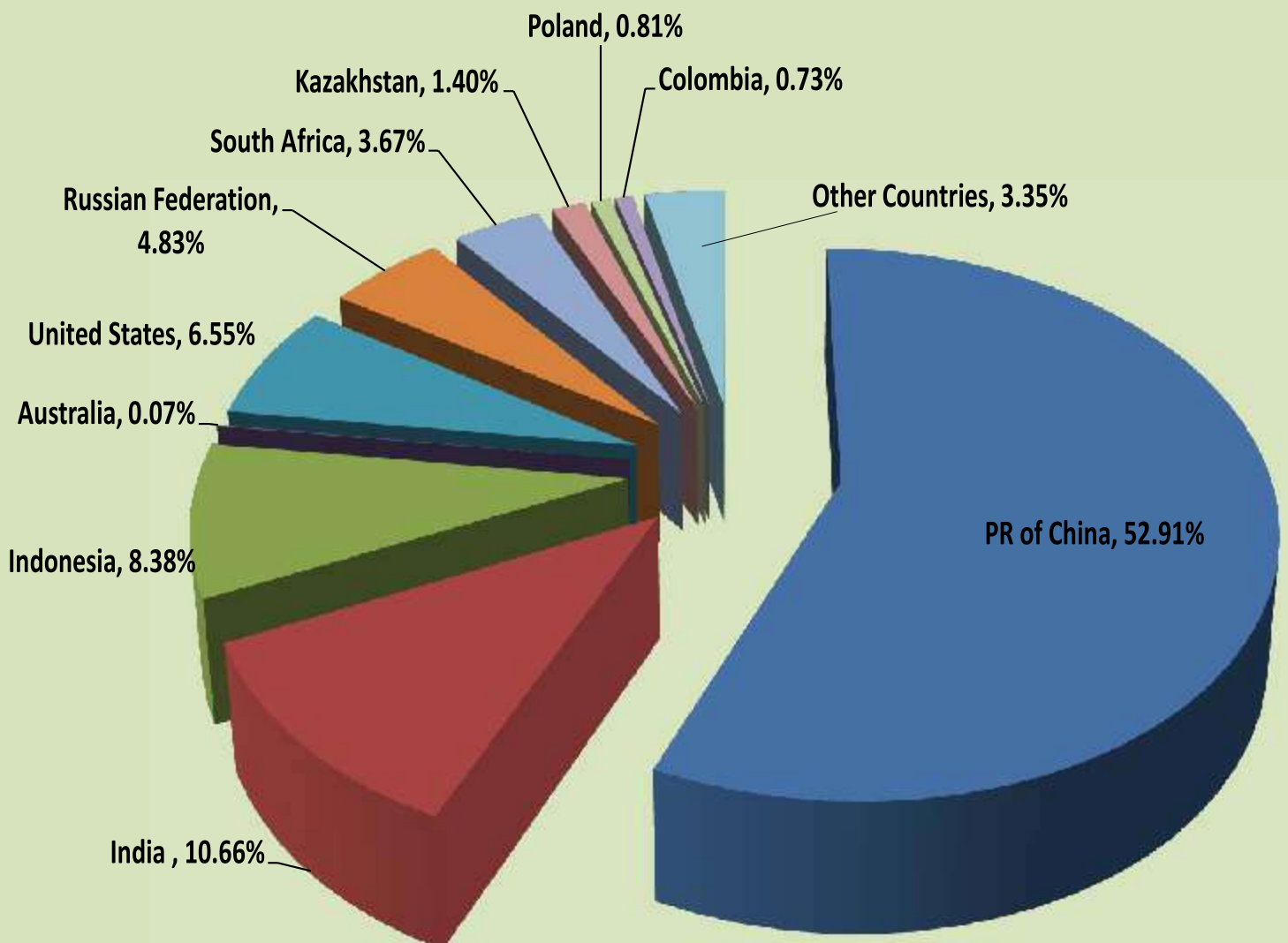
| Sl.No.                           | Block Allocated           | No. of Blocks | State where the Block is Located | Geological/ Extractable Reserve (Qty. in MT) | Date of Allotment | Name of the Party                    | Type of Company (PSU(S)/ PSU(C)/ Private) | End-use Plant |
|----------------------------------|---------------------------|---------------|----------------------------------|----------------------------------------------|-------------------|--------------------------------------|-------------------------------------------|---------------|
| (1)                              | (2)                       | (3)           | (4)                              | (5)                                          | (6)               | (7)                                  | (8)                                       | (9)           |
| 1                                | Pakri-Barwadih            | 1             | JH                               | 1436.00                                      | 11.10.2004        | NTPC                                 | PSU(C)                                    | Power         |
| <b>Total Jharkhand Power</b>     |                           | <b>1</b>      |                                  | <b>1436.00</b>                               |                   |                                      |                                           |               |
| 2                                | Tasra                     | 1             | JH                               | 251.88                                       | 26.02.1996        | Steel Authority of India Ltd.        | PSU(C)                                    | NRS           |
| <b>Total Jharkhand NRS</b>       |                           | <b>1</b>      |                                  | <b>251.88</b>                                |                   |                                      |                                           |               |
| 3-4                              | Moher, Moher-Amlori Extn. | 2             | MP                               | 575.00                                       | 13.09.2006        | Power Finance Corporation Sasan UMPP | PSU(C)                                    | UMPP          |
| <b>Total Madhya Pradesh UMPP</b> |                           | <b>2</b>      |                                  | <b>575.00</b>                                |                   |                                      |                                           |               |
| <b>Total</b>                     |                           | <b>4</b>      |                                  | <b>2262.88</b>                               |                   |                                      |                                           |               |

Note: Geological Reserve/Extractable Reserve quantities as available with this office.

10

# World Coal Statistics

Share (%) of World Coal Production in Top 10 Countries in 2020



**Note:** Data in this section is based on calendar year

# Section X

## World Coal Review

### 10.1 World Coal

**10.1.1** World coal reserve (including lignite) is dispersed unevenly over different regions of the world. Statement 10.1 shows the distribution of world coal reserves in different countries by end of 2020. It can be seen that the top five places, as per coal reserve, are occupied by the U.S. (23.2%), Russian Federation (15.1%), Australia (14.0%), China (13.3%) and India (10.3%). These five countries together account for 75.9% of the total world coal reserves.

| Statement 10.1: World Proved Coal and Lignite Reserve (MT) at the end of 2020 |                |                |
|-------------------------------------------------------------------------------|----------------|----------------|
| Country / Group                                                               | Reserve        | % Share        |
| US                                                                            | 248941         | 23.2%          |
| Russian Federation                                                            | 162166         | 15.1%          |
| Australia                                                                     | 150227         | 14.0%          |
| China                                                                         | 143197         | 13.3%          |
| India                                                                         | 111052         | 10.3%          |
| Indonesia                                                                     | 34869          | 3.2%           |
| Germany                                                                       | 35900          | 3.3%           |
| Ukraine                                                                       | 34375          | 3.2%           |
| Poland                                                                        | 28395          | 2.6%           |
| Kazakhstan                                                                    | 25605          | 2.4%           |
| Others                                                                        | 99381          | 9.4%           |
| <b>Total World</b>                                                            | <b>1074108</b> | <b>100.00%</b> |
| Source: IEA                                                                   |                |                |

### 10.2 Production

World over, the production of coal was 7741.6 MT in 2020, a decrease of 4.82% from 8133.4 MT in 2019. Statement 10.2 shows main coal producing countries during 2020. In this Statement it can be seen that the top six positions are occupied by China (3902.0 MT), India (756.5 MT), Indonesia (562.5 MT), US (484.7MT), Australia (476.7MT) and Russian Federation (399.8 MT) and these six countries together account for about 85% of total world coal production whereas China alone accounts for 50.40% of the world coal production. The trends of some of the leading countries are shown in statement 10.3 for coking coal and in statement 10.4 for lignite production.

**Statement 10.2: World Coal Production (MT) in 2020**

| Country / Group    | Production    | % Share        |
|--------------------|---------------|----------------|
| P R of China       | 3902.0        | 50.4%          |
| India              | 756.5         | 9.7%           |
| Indonesia          | 562.5         | 7.2%           |
| United States      | 484.7         | 6.3%           |
| Australia          | 476.7         | 6.2%           |
| Russian Federation | 399.8         | 5.2%           |
| South Africa       | 248.3         | 3.2%           |
| Kazakhstan         | 113.2         | 1.5%           |
| Germany            | 107.4         | 1.4%           |
| Poland             | 100.7         | 1.3%           |
| Others             | 589.8         | 7.6%           |
| <b>World</b>       | <b>7741.6</b> | <b>100.00%</b> |
| Source: IEA        |               |                |

**10.2.2** World Coking Coal production during 2020 is given in Statement 10.3.

**Statement 10.3: World Coking Coal Production (MT) in 2020**

| Country            | Production      | % Share        |
|--------------------|-----------------|----------------|
| P R of China       | 553.7           | 49.90%         |
| Australia          | 183.7           | 18.69%         |
| Russian Federation | 90.5            | 9.79%          |
| United States      | 49.8            | 6.57%          |
| India              | 42.0            | 3.55%          |
| Canada             | 26.1            | 3.37%          |
| Mongolia           | 27.2            | 3.03%          |
| Poland             | 12.3            | 1.20%          |
| Mexico             | 4.6             | 0.57%          |
| Indonesia          | 5.4             | 0.57%          |
| Others             | 27.775          | 2.76%          |
| <b>World</b>       | <b>1023.075</b> | <b>100.00%</b> |
| Source: IEA        |                 |                |

**10.2.3** Statement 10.4 provides world lignite production during 2020 by major lignite producing countries.

| Statement 10.4: World Lignite Production (MT) in 2020 |              |                |
|-------------------------------------------------------|--------------|----------------|
| Country                                               | Production   | % Share        |
| Germany                                               | 107.4        | 16.8%          |
| Russian Federation                                    | 73.3         | 11.5%          |
| Turkey                                                | 71.2         | 11.2%          |
| Poland                                                | 46.0         | 7.2%           |
| United States                                         | 44.1         | 6.9%           |
| Australia                                             | 41.5         | 6.5%           |
| Serbia                                                | 39.7         | 6.2%           |
| India                                                 | 36.9         | 5.8%           |
| Czech Republic                                        | 29.4         | 4.6%           |
| Bulgaria                                              | 22.3         | 3.5%           |
| Others                                                | 126.7        | 19.8%          |
| <b>World</b>                                          | <b>638.5</b> | <b>100.00%</b> |

Source: IEA

### 10.3 Import and Export

**10.3.1** In 2020, world Coal Import was 1434.9MT against 1331.6MT in 2019. In 2020, import of coking coal and non-coking coal was 314.1 MT and 1120.9 MT respectively. Import of lignite was 5.9 MT. Statement 10.5 shows major country wise import of coking coal and non-coking coal during 2020.

| Statement 10.5: World Coal Import (MT) in 2020e |              |                 |               |
|-------------------------------------------------|--------------|-----------------|---------------|
| Country                                         | Import       |                 |               |
|                                                 | Coking Coal  | Non Coking Coal | Total Coal    |
| P R of China                                    | 74.7         | 232.3           | 307.0         |
| India                                           | 57.8         | 203.4           | 261.2         |
| Japan                                           | 46.5         | 140.4           | 186.9         |
| Korea                                           | 34.9         | 101.9           | 136.8         |
| Chinese Taipei                                  | 7.2          | 60.2            | 67.3          |
| Germany                                         | 11.3         | 29.7            | 41.0          |
| Turkey                                          | 6.4          | 31.7            | 38.1          |
| Malaysia                                        | 0.0          | 33.0            | 33.0          |
| Russian                                         | 0.7          | 21.2            | 21.9          |
| Thailand                                        | 0.0          | 22.5            | 22.5          |
| Philippines                                     | 0.0          | 27.7            | 27.7          |
| Vietnam                                         | 5.8          | 37.0            | 42.8          |
| Ukraine                                         | 9.1          | 12.0            | 21.1          |
| Brazil                                          | 10.2         | 8.7             | 18.9          |
| Others                                          | 49.5         | 159.2           | 208.7         |
| <b>World</b>                                    | <b>314.1</b> | <b>1120.9</b>   | <b>1434.9</b> |

Source: IEA

**10.3.2.** In 2020, total coal export was 1416.2 MT against 1266.1 MT in 2019. During 2020, export of coking coal was 334.5 MT, non-coking coal was 1081.7 MT and lignite was 18.0 MT. Statement 10.6 shows major country wise export of coal during 2020.

| Statement 10.6: World Coal Export (MT) in 2020e |              |                 |               |
|-------------------------------------------------|--------------|-----------------|---------------|
| Country                                         | Export       |                 |               |
|                                                 | Coking Coal  | Non Coking Coal | Total Coal    |
| Indonesia                                       | 5.8          | 456.4           | 462.2         |
| Australia                                       | 183.6        | 209.8           | 393.4         |
| Russian                                         | 24.6         | 180.8           | 205.4         |
| United States                                   | 48.0         | 37.0            | 85.0          |
| Colombia                                        | 1.9          | 69.6            | 71.5          |
| South Africa                                    | 0.7          | 66.8            | 67.5          |
| Mongolia                                        | 23.8         | 3.7             | 27.5          |
| Canada                                          | 33.0         | 1.8             | 34.8          |
| Kazakhstan                                      | 1.4          | 21.3            | 22.7          |
| Mozambique                                      | 5.9          | 5.0             | 10.9          |
| P R of China                                    | 1.4          | 4.6             | 6.0           |
| Poland                                          | 2.6          | 1.8             | 4.4           |
| Philippines                                     | 0            | 10.0            | 10.0          |
| Vietnam                                         | 0            | 1.1             | 1.1           |
| Czech Republic                                  | 0.9          | 0.6             | 1.5           |
| India                                           | 0.0          | 1.3             | 1.3           |
| Others                                          | 0.9          | 10.1            | 11.0          |
| <b>World</b>                                    | <b>334.5</b> | <b>1081.7</b>   | <b>1416.2</b> |

Source: IEA

### 10.4 Coal Price

**10.4.1** Comparison of international coal prices has certain limitations. Table 10.4 provides some indications of the world coal price.

Table 10.1 : World Proved Coal and Lignite Reserves at the End of 2020

(Qty. in MT)

| Countries                             | Anthracite and Bituminous | Sub Bituminous and Lignite | Total          | Share of Total | R/P Ratio  | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------|---------------------------|----------------------------|----------------|----------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1)                                   | (2)                       | (3)                        | (4)            | (5)            | (6)        | (7)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Canada                                | 4346                      | 2236                       | 6582           | 0.6%           | 166        | * More than 500 years.<br>♦ Less than 0.05%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Mexico                                | 1160                      | 51                         | 1211           | 0.1%           | 185        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| US                                    | 218938                    | 30003                      | 248941         | 23.2%          | *          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Total North America</b>            | <b>224444</b>             | <b>32290</b>               | <b>256734</b>  | <b>23.9%</b>   | <b>484</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Brazil                                | 1547                      | 5049                       | 6596           | 0.6%           | *          | <b>Notes:</b> Total proved reserves of coal- Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. The data series for total proved coal reserves does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at company level, for instance as published by the US Securities and Exchange Commission, nor does it necessarily represent BP's view of proved reserves by country. |
| Colombia                              | 4554                      | -                          | 4554           | 0.4%           | 90         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Venezuela                             | 731                       | -                          | 731            | 0.1%           | *          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Other S. & Cent. America              | 1784                      | 24                         | 1808           | 0.2%           | *          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Total S. &amp; Cent. America</b>   | <b>8616</b>               | <b>5073</b>                | <b>13689</b>   | <b>1.3%</b>    | <b>240</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Bulgaria                              | 192                       | 2174                       | 2366           | 0.2%           | 192        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Czech Republic                        | 1081                      | 2514                       | 3595           | 0.3%           | 113        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Germany                               | -                         | 35900                      | 35900          | 3.3%           | 334        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Greece                                | -                         | 2876                       | 2876           | 0.3%           | 205        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hungary                               | 276                       | 2633                       | 2909           | 0.3%           | 475        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Poland                                | 22530                     | 5865                       | 28395          | 2.6%           | 282        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Romania                               | 11                        | 280                        | 291            | ♦              | 19         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Serbia                                | 402                       | 7112                       | 7514           | 0.7%           | 189        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Spain                                 | 868                       | 319                        | 1187           | 0.1%           | 282        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Turkey                                | 550                       | 10975                      | 11525          | 1.1%           | 168        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Ukraine                               | 32039                     | 2336                       | 34375          | 3.2%           | *          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| United Kingdom                        | 26                        | -                          | 26             | ♦              | 16         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Other Europe                          | 1109                      | 5172                       | 6281           | 0.6%           | 189        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Total Europe</b>                   | <b>59084</b>              | <b>78156</b>               | <b>137240</b>  | <b>12.8%</b>   | <b>299</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Kazakhstan                            | 25605                     | -                          | 25605          | 2.4%           | 226        | <b>Reserves-to-production (R/P) ratio</b> - If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.                                                                                                                                                                                                                                                                                                                                         |
| Russian Federation                    | 71719                     | 90447                      | 162166         | 15.1%          | 407        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Uzbekistan                            | 1375                      | -                          | 1375           | 0.1%           | 333        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Other CIS                             | 1509                      | -                          | 1509           | 0.1%           | 336        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Total CIS</b>                      | <b>100208</b>             | <b>90447</b>               | <b>190655</b>  | <b>17.8%</b>   | <b>367</b> | <b>Reserves-to-production (R/P) ratios</b> are calculated excluding other solid fuels in reserves and production.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| South Africa                          | 9893                      | -                          | 9893           | 0.9%           | 40         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Zimbabwe                              | 502                       | -                          | 502            | ♦              | 153        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Other Africa                          | 4376                      | 66                         | 4442           | 0.4%           | 280        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Middle East                           | 1203                      | -                          | 1203           | 0.1%           | *          | <b>Shares of total and R/P ratios</b> are calculated using million tonnes figures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Total Middle East &amp; Africa</b> | <b>15974</b>              | <b>66</b>                  | <b>16040</b>   | <b>1.5%</b>    | <b>60</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Australia                             | 73719                     | 76508                      | 150227         | 14.0%          | 315        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| China                                 | 135069                    | 8128                       | 143197         | 13.3%          | 37         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| India                                 | 105979                    | 5073                       | 111052         | 10.3%          | 147        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Indonesia                             | 23141                     | 11728                      | 34869          | 3.2%           | 62         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Japan                                 | 340                       | 10                         | 350            | ♦              | 453        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mongolia                              | 1170                      | 1350                       | 2520           | 0.2%           | 58         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| New Zealand                           | 825                       | 6750                       | 7575           | 0.7%           | *          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Pakistan                              | 207                       | 2857                       | 3064           | 0.3%           | 396        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| South Korea                           | 326                       | -                          | 326            | ♦              | 320        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Thailand                              | -                         | 1063                       | 1063           | 0.1%           | 80         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Vietnam                               | 3116                      | 244                        | 3360           | 0.3%           | 69         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Other Asia Pacific                    | 1421                      | 726                        | 2147           | 0.2%           | 33         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Total Asia Pacific</b>             | <b>345313</b>             | <b>114437</b>              | <b>459750</b>  | <b>42.8%</b>   | <b>78</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Total World</b>                    | <b>753639</b>             | <b>320469</b>              | <b>1074108</b> | <b>100.0%</b>  | <b>139</b> | <b>Source:</b> statistics are taken from national statistical agencies, international organizations, and other proprietary sources. Includes data from Federal Institute for Geosciences and Natural Resources (BGR) Energy                                                                                                                                                                                                                                                                                                                                                                             |
| <b>of which: OECD</b>                 | <b>331303</b>             | <b>177130</b>              | <b>508433</b>  | <b>47.3%</b>   | <b>363</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Non-OECD</b>                       | <b>422336</b>             | <b>143339</b>              | <b>565675</b>  | <b>52.7%</b>   | <b>90</b>  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>European Union</b>                 | <b>25539</b>              | <b>53051</b>               | <b>78590</b>   | <b>7.3%</b>    | <b>266</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

Table 10.2: Trends of Coal Production By major Coal Producing Countries during Last Ten Years

(Qty. in MT)

| Countries                           | 2011          | 2012          | 2013          | 2014          | 2015          | 2016          | 2017          | 2018          | 2019          | 2020          | Change<br>2020<br>over<br>2019 | Average<br>Growth<br>Rate Per<br>Annum<br>2009-19 | 2020<br>Share of<br>Total |
|-------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------------------------|---------------------------------------------------|---------------------------|
| (1)                                 | (2)           | (3)           | (4)           | (5)           | (6)           | (7)           | (8)           | (9)           | (10)          | (11)          | (12)                           | (13)                                              | (14)                      |
| Canada                              | 67.5          | 67.3          | 68.4          | 68.3          | 62.4          | 62.4          | 60.6          | 55.0          | 50.6          | 39.6          | -22.0%                         | -2.4%                                             | 0.5%                      |
| Mexico                              | 19.6          | 15.2          | 14.6          | 14.9          | 12.3          | 11.4          | 12.9          | 11.9          | 9.8           | 6.5           | -33.1%                         | -2.6%                                             | 0.1%                      |
| US                                  | 993.9         | 922.1         | 893.4         | 907.2         | 813.7         | 660.8         | 702.7         | 686.0         | 640.8         | 484.7         | -24.6%                         | -4.1%                                             | 6.3%                      |
| <b>Total North America</b>          | <b>1081.0</b> | <b>1004.6</b> | <b>976.5</b>  | <b>990.4</b>  | <b>888.3</b>  | <b>734.5</b>  | <b>776.2</b>  | <b>752.9</b>  | <b>701.1</b>  | <b>530.8</b>  | <b>-24.5%</b>                  | <b>-4.0%</b>                                      | <b>6.9%</b>               |
| Brazil                              | 7.6           | 8.2           | 9.5           | 9.4           | 8.0           | 7.5           | 5.8           | 6.4           | 5.8           | 6.2           | 5.6%                           | -3.5%                                             | 0.1%                      |
| Colombia                            | 85.8          | 89.0          | 85.5          | 88.6          | 85.5          | 90.5          | 90.5          | 84.3          | 84.3          | 50.6          | -40.2%                         | 1.5%                                              | 0.7%                      |
| Venezuela                           | 2.6           | 1.9           | 1.2           | 0.8           | 0.8           | 0.4           | 0.4           | 0.1           | 0.2           | 0.7           | 181.9%                         | -22.8%                                            | ♦                         |
| Other S. & Cent. America            | 0.9           | 1.0           | 3.2           | 4.5           | 3.4           | 2.8           | 1.8           | 1.6           | 1.1           | 1.0           | -10.5%                         | 2.9%                                              | ♦                         |
| <b>Total S. &amp; Cent. America</b> | <b>96.9</b>   | <b>100.1</b>  | <b>99.4</b>   | <b>103.2</b>  | <b>97.8</b>   | <b>101.3</b>  | <b>98.5</b>   | <b>92.4</b>   | <b>91.6</b>   | <b>58.5</b>   | <b>-36.3%</b>                  | <b>0.7%</b>                                       | <b>0.8%</b>               |
| Bulgaria                            | 37.1          | 33.4          | 28.6          | 31.3          | 35.9          | 31.3          | 34.3          | 30.9          | 15.4          | 12.3          | -20.6%                         | -5.5%                                             | 0.2%                      |
| Czech Republic                      | 58.1          | 55.2          | 49.1          | 47.1          | 46.5          | 45.5          | 44.9          | 43.8          | 41.0          | 31.7          | -22.9%                         | -3.1%                                             | 0.4%                      |
| Germany                             | 188.6         | 196.2         | 190.6         | 185.8         | 184.3         | 175.4         | 175.1         | 168.8         | 131.3         | 107.4         | -18.4%                         | -3.3%                                             | 1.4%                      |
| Greece                              | 58.7          | 63.0          | 53.9          | 50.8          | 46.2          | 32.6          | 37.7          | 36.5          | 27.4          | 14.0          | -49.0%                         | -8.3%                                             | 0.2%                      |
| Hungary                             | 9.6           | 9.3           | 9.6           | 9.6           | 9.3           | 9.2           | 8.0           | 7.9           | 6.8           | 6.1           | -10.8%                         | -2.7%                                             | 0.1%                      |
| Poland                              | 139.3         | 144.1         | 142.9         | 137.1         | 135.8         | 131.0         | 127.1         | 122.4         | 112.4         | 100.7         | -10.7%                         | -1.8%                                             | 1.3%                      |
| Romania                             | 35.5          | 33.9          | 24.7          | 23.6          | 25.5          | 23.0          | 25.8          | 23.7          | 21.7          | 15.0          | -30.9%                         | -4.4%                                             | 0.2%                      |
| Serbia                              | 40.8          | 38.2          | 40.3          | 29.8          | 37.8          | 38.5          | 39.9          | 37.7          | 39.0          | 39.8          | 1.8%                           | ♦                                                 | 0.5%                      |
| Spain                               | 6.6           | 6.2           | 4.4           | 3.9           | 3.1           | 1.7           | 3.0           | 2.2           | 3.8           | 4.2           | 9.1%                           | -8.6%                                             | 0.1%                      |
| Turkey                              | 76.0          | 71.5          | 60.4          | 65.2          | 58.4          | 73.0          | 74.1          | 83.9          | 87.1          | 70.8          | -18.9%                         | 0.9%                                              | 0.9%                      |
| Ukraine                             | 63.2          | 66.2          | 64.9          | 45.7          | 30.4          | 32.2          | 24.7          | 26.8          | 26.1          | 24.1          | -8.0%                          | -7.3%                                             | 0.3%                      |
| United Kingdom                      | 18.6          | 17.0          | 12.8          | 11.6          | 8.6           | 4.2           | 3.0           | 2.6           | 2.2           | 1.7           | -23.0%                         | -19.0%                                            | ♦                         |
| Other Europe                        | 70.4          | 63.2          | 72.3          | 67.9          | 62.2          | 59.0          | 62.5          | 94.3          | 55.8          | 50.8          | -9.2%                          | -1.7%                                             | 0.7%                      |
| <b>Total Europe</b>                 | <b>802.3</b>  | <b>797.2</b>  | <b>754.4</b>  | <b>709.5</b>  | <b>684.1</b>  | <b>656.7</b>  | <b>660.1</b>  | <b>681.3</b>  | <b>570.0</b>  | <b>478.5</b>  | <b>-16.3%</b>                  | <b>-3.1%</b>                                      | <b>6.2%</b>               |
| Kazakhstan                          | 116.4         | 120.5         | 119.6         | 114.0         | 107.3         | 103.1         | 112.3         | 118.5         | 115.0         | 113.2         | -1.9%                          | 1.3%                                              | 1.5%                      |
| Russian Federation                  | 337.4         | 358.3         | 355.2         | 357.4         | 372.5         | 386.6         | 412.5         | 441.6         | 440.9         | 399.8         | -9.6%                          | 3.8%                                              | 5.2%                      |
| Uzbekistan                          | 3.8           | 3.8           | 4.1           | 4.4           | 3.5           | 3.9           | 4.0           | 4.2           | 4.0           | 4.1           | 1.8%                           | 1.0%                                              | 0.1%                      |
| Other CIS                           | 3.8           | 4.3           | 4.2           | 4.1           | 4.0           | 4.6           | 5.7           | 7.7           | 7.9           | 7.7           | -2.1%                          | 10.1%                                             | 0.1%                      |
| <b>Total CIS</b>                    | <b>461.5</b>  | <b>486.8</b>  | <b>483.1</b>  | <b>479.9</b>  | <b>487.3</b>  | <b>498.1</b>  | <b>534.5</b>  | <b>571.9</b>  | <b>567.8</b>  | <b>524.8</b>  | <b>-7.8%</b>                   | <b>3.3%</b>                                       | <b>6.8%</b>               |
| <b>Total Middle East</b>            | <b>1.6</b>    | <b>1.5</b>    | <b>1.5</b>    | <b>1.5</b>    | <b>1.6</b>    | <b>1.8</b>    | <b>2.0</b>    | <b>2.1</b>    | <b>2.1</b>    | <b>2.1</b>    | <b>-0.3%</b>                   | <b>2.8%</b>                                       | <b>♦</b>                  |
| South Africa                        | 252.8         | 258.6         | 256.3         | 261.4         | 252.2         | 249.7         | 252.3         | 250.0         | 258.4         | 248.3         | -4.1%                          | 0.4%                                              | 3.2%                      |
| Zimbabwe                            | 2.6           | 1.6           | 3.1           | 5.8           | 4.3           | 2.7           | 2.9           | 3.3           | 2.6           | 3.3           | 24.5%                          | 4.7%                                              | ♦                         |
| Other Africa                        | 2.0           | 7.1           | 8.3           | 9.4           | 9.7           | 12.6          | 23.1          | 29.1          | 21.2          | 15.8          | -25.6%                         | 32.1%                                             | 0.2%                      |
| <b>Total Africa</b>                 | <b>257.3</b>  | <b>267.3</b>  | <b>267.7</b>  | <b>276.6</b>  | <b>266.2</b>  | <b>265.0</b>  | <b>278.4</b>  | <b>282.5</b>  | <b>282.2</b>  | <b>267.5</b>  | <b>-5.5%</b>                   | <b>1.2%</b>                                       | <b>3.5%</b>               |
| Australia                           | 423.2         | 448.2         | 472.8         | 505.3         | 503.7         | 502.1         | 487.2         | 502.0         | 504.1         | 476.7         | -5.7%                          | 1.8%                                              | 6.2%                      |
| China                               | 3764.4        | 3945.1        | 3974.3        | 3873.9        | 3746.5        | 3410.6        | 3523.6        | 3697.7        | 3846.3        | 3902.0        | 1.2%                           | 2.1%                                              | 50.4%                     |
| India                               | 563.7         | 605.6         | 608.5         | 646.2         | 674.2         | 689.8         | 711.7         | 760.4         | 753.9         | 756.5         | 0.1%                           | 3.1%                                              | 9.8%                      |
| Indonesia                           | 353.3         | 385.9         | 474.6         | 458.1         | 461.6         | 456.2         | 461.2         | 557.8         | 616.2         | 562.5         | -9.0%                          | 9.2%                                              | 7.3%                      |
| Japan                               | 1.3           | 1.3           | 1.2           | 1.3           | 1.2           | 1.3           | 1.4           | 1.0           | 0.8           | 0.8           | 1.5%                           | -5.1%                                             | ♦                         |
| Mongolia                            | 33.0          | 31.1          | 33.3          | 24.4          | 24.1          | 35.1          | 49.5          | 54.6          | 57.1          | 43.1          | -24.8%                         | 14.7%                                             | 0.6%                      |
| New Zealand                         | 5.0           | 4.9           | 4.6           | 4.0           | 3.4           | 2.9           | 2.9           | 3.2           | 3.0           | 2.8           | -7.4%                          | -3.9%                                             | ♦                         |
| Pakistan                            | 3.2           | 3.0           | 3.0           | 3.4           | 3.3           | 4.1           | 4.2           | 4.4           | 6.8           | 7.7           | 14.0%                          | 6.8%                                              | 0.1%                      |
| South Korea                         | 2.1           | 2.1           | 1.8           | 1.7           | 1.8           | 1.7           | 1.5           | 1.2           | 1.1           | 1.0           | -6.3%                          | -8.1%                                             | ♦                         |
| Thailand                            | 21.3          | 18.1          | 18.1          | 18.0          | 15.2          | 17.0          | 16.3          | 14.9          | 14.1          | 13.3          | -6.1%                          | -2.2%                                             | 0.2%                      |
| Vietnam                             | 46.6          | 42.1          | 41.1          | 41.1          | 41.7          | 38.7          | 38.4          | 42.4          | 46.4          | 48.6          | 4.5%                           | 0.5%                                              | 0.6%                      |
| Other Asia Pacific                  | 38.7          | 39.6          | 39.8          | 40.4          | 44.9          | 61.4          | 54.1          | 52.5          | 68.7          | 64.3          | -6.7%                          | 7.2%                                              | 0.8%                      |
| <b>Total Asia Pacific</b>           | <b>5255.9</b> | <b>5527.1</b> | <b>5673.2</b> | <b>5617.8</b> | <b>5521.6</b> | <b>5221.0</b> | <b>5352.0</b> | <b>5692.1</b> | <b>5918.5</b> | <b>5879.4</b> | <b>-0.9%</b>                   | <b>2.8%</b>                                       | <b>75.9%</b>              |
| <b>Total World</b>                  | <b>7956.5</b> | <b>8184.6</b> | <b>8255.8</b> | <b>8178.9</b> | <b>7946.8</b> | <b>7478.4</b> | <b>7701.8</b> | <b>8075.2</b> | <b>8133.4</b> | <b>7741.6</b> | <b>-5.1%</b>                   | <b>1.4%</b>                                       | <b>100.0%</b>             |
| <b>of which: OECD</b>               | <b>2193.9</b> | <b>2147.1</b> | <b>2112.8</b> | <b>2147.6</b> | <b>2013.3</b> | <b>1838.6</b> | <b>1868.6</b> | <b>1853.7</b> | <b>1735.1</b> | <b>1422.4</b> | <b>-18.2%</b>                  | <b>-2.1%</b>                                      | <b>18.4%</b>              |
| <b>Non-OECD</b>                     | <b>5762.6</b> | <b>6037.5</b> | <b>6142.9</b> | <b>6031.3</b> | <b>5933.5</b> | <b>5639.8</b> | <b>5833.2</b> | <b>6221.5</b> | <b>6398.3</b> | <b>6319.2</b> | <b>-1.5%</b>                   | <b>2.7%</b>                                       | <b>81.6%</b>              |
| <b>European Union #</b>             | <b>571.2</b>  | <b>573.5</b>  | <b>545.5</b>  | <b>528.1</b>  | <b>519.1</b>  | <b>478.9</b>  | <b>489.7</b>  | <b>475.2</b>  | <b>387.1</b>  | <b>313.2</b>  | <b>-19.3%</b>                  | <b>-3.5%</b>                                      | <b>4.0%</b>               |

\* Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, and other commercial solid fuels. Includes coal produced for Coal-to-Liquids and Coal-to-Gas transformations.

♦ Less than 0.05%.

USSR includes Georgia and the Baltic States.

# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

Notes: Annual changes and shares of total are calculated using million tonnes figures.

Growth rates are adjusted for leap years.

Table 10.3: Coal offtake in major Coal Consuming Countries of the World During Last Ten Years

(Qty. In MT Oil Equivalent)

| Countries                         | 2011          | 2012          | 2013          | 2014          | 2015          | 2016          | 2017          | 2018          | 2019          | 2020         | Change<br>2020<br>over<br>2019 | Average<br>Growth<br>Rate Per<br>Annum<br>2009-19 | 2020<br>Share<br>of<br>Total |
|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------------------------|---------------------------------------------------|------------------------------|
| (1)                               | (2)           | (3)           | (4)           | (5)           | (6)           | (7)           | (8)           | (9)           | (10)          | (11)         | (12)                           | (13)                                              | (14)                         |
| Canada                            | 0.931         | 0.891         | 0.862         | 0.823         | 0.824         | 0.771         | 0.784         | 0.653         | 0.635         | 0.495        | -22.2%                         | -4.5%                                             | 0.3%                         |
| Mexico                            | 0.617         | 0.537         | 0.534         | 0.533         | 0.532         | 0.521         | 0.636         | 0.567         | 0.541         | 0.209        | -61.5%                         | 2.3%                                              | 0.1%                         |
| US                                | 19.703        | 17.418        | 18.080        | 18.039        | 15.585        | 14.259        | 13.869        | 13.282        | 11.342        | 9.203        | -19.1%                         | -5.4%                                             | 6.1%                         |
| <b>Total North America</b>        | <b>21.251</b> | <b>18.846</b> | <b>19.475</b> | <b>19.394</b> | <b>16.940</b> | <b>15.550</b> | <b>15.290</b> | <b>14.502</b> | <b>12.518</b> | <b>9.907</b> | <b>-21.1%</b>                  | <b>-5.1%</b>                                      | <b>6.5%</b>                  |
| Argentina                         | 0.053         | 0.049         | 0.054         | 0.057         | 0.057         | 0.044         | 0.045         | 0.049         | 0.029         | 0.032        | 8.8%                           | -1.7%                                             | ♦                            |
| Brazil                            | 0.647         | 0.640         | 0.690         | 0.734         | 0.738         | 0.667         | 0.703         | 0.687         | 0.648         | 0.579        | -10.9%                         | 3.4%                                              | 0.4%                         |
| Chile                             | 0.241         | 0.281         | 0.316         | 0.319         | 0.306         | 0.311         | 0.323         | 0.312         | 0.314         | 0.300        | -4.4%                          | 6.5%                                              | 0.2%                         |
| Colombia                          | 0.163         | 0.196         | 0.211         | 0.224         | 0.208         | 0.229         | 0.174         | 0.164         | 0.204         | 0.268        | 31.4%                          | 1.8%                                              | 0.2%                         |
| Peru                              | 0.034         | 0.037         | 0.037         | 0.036         | 0.034         | 0.041         | 0.042         | 0.047         | 0.032         | 0.023        | -26.8%                         | -0.9%                                             | ♦                            |
| Venezuela                         | 0.009         | 0.009         | 0.009         | 0.008         | 0.006         | 0.006         | 0.003         | 0.001         | 0.001         | 0.001        | -35.1%                         | -21.9%                                            | ♦                            |
| Central America                   | 0.026         | 0.033         | 0.042         | 0.045         | 0.056         | 0.062         | 0.046         | 0.057         | 0.086         | 0.067        | -21.5%                         | 19.0%                                             | ♦                            |
| Other Caribbean                   | 0.088         | 0.079         | 0.087         | 0.099         | 0.093         | 0.094         | 0.084         | 0.091         | 0.141         | 0.209        | 47.7%                          | 6.4%                                              | 0.1%                         |
| Other South America               | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000        | -0.3%                          | 1.0%                                              | ♦                            |
| <b>Total S.&amp; Cent.America</b> | <b>1.260</b>  | <b>1.325</b>  | <b>1.446</b>  | <b>1.523</b>  | <b>1.498</b>  | <b>1.453</b>  | <b>1.421</b>  | <b>1.409</b>  | <b>1.454</b>  | <b>1.480</b> | <b>1.5%</b>                    | <b>4.1%</b>                                       | <b>1.0%</b>                  |
| Austria                           | 0.145         | 0.135         | 0.137         | 0.126         | 0.136         | 0.126         | 0.132         | 0.116         | 0.119         | 0.093        | -21.8%                         | -0.1%                                             | 0.1%                         |
| Belgium                           | 0.148         | 0.139         | 0.147         | 0.140         | 0.141         | 0.134         | 0.131         | 0.130         | 0.130         | 0.108        | -17.6%                         | 0.5%                                              | 0.1%                         |
| Bulgaria                          | 0.339         | 0.290         | 0.249         | 0.266         | 0.274         | 0.238         | 0.256         | 0.228         | 0.213         | 0.172        | -19.5%                         | -2.2%                                             | 0.1%                         |
| Croatia                           | 0.029         | 0.026         | 0.028         | 0.027         | 0.025         | 0.027         | 0.016         | 0.015         | 0.018         | 0.015        | -17.4%                         | -1.8%                                             | ♦                            |
| Cyprus                            | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.000         | 0.001         | 0.001         | 0.001        | -16.8%                         | 3.5%                                              | ♦                            |
| Czech Republic                    | 0.774         | 0.742         | 0.707         | 0.686         | 0.684         | 0.688         | 0.653         | 0.649         | 0.602         | 0.489        | -19.0%                         | -2.3%                                             | 0.3%                         |
| Denmark                           | 0.136         | 0.104         | 0.135         | 0.110         | 0.072         | 0.088         | 0.066         | 0.067         | 0.038         | 0.033        | -14.3%                         | -13.8%                                            | ♦                            |
| Estonia                           | 0.175         | 0.163         | 0.175         | 0.177         | 0.160         | 0.162         | 0.178         | 0.192         | 0.124         | 0.097        | -21.7%                         | -0.3%                                             | 0.1%                         |
| Finland                           | 0.231         | 0.189         | 0.209         | 0.187         | 0.160         | 0.183         | 0.168         | 0.176         | 0.148         | 0.133        | -10.4%                         | -4.1%                                             | 0.1%                         |
| France                            | 0.409         | 0.463         | 0.484         | 0.362         | 0.360         | 0.351         | 0.383         | 0.343         | 0.268         | 0.194        | -27.9%                         | -5.1%                                             | 0.1%                         |
| Germany                           | 3.279         | 3.370         | 3.468         | 3.333         | 3.294         | 3.204         | 3.009         | 2.904         | 2.247         | 1.844        | -18.2%                         | -2.9%                                             | 1.2%                         |
| Greece                            | 0.331         | 0.341         | 0.293         | 0.281         | 0.236         | 0.182         | 0.201         | 0.191         | 0.217         | 0.115        | -47.3%                         | -4.7%                                             | 0.1%                         |
| Hungary                           | 0.114         | 0.109         | 0.096         | 0.095         | 0.098         | 0.092         | 0.094         | 0.089         | 0.077         | 0.072        | -6.7%                          | -3.3%                                             | ♦                            |
| Iceland                           | 0.004         | 0.004         | 0.005         | 0.004         | 0.004         | 0.005         | 0.005         | 0.005         | 0.005         | 0.005        | -0.3%                          | 2.4%                                              | ♦                            |
| Ireland                           | 0.082         | 0.095         | 0.086         | 0.084         | 0.092         | 0.088         | 0.075         | 0.059         | 0.042         | 0.031        | -26.2%                         | -6.6%                                             | ♦                            |
| Italy                             | 0.642         | 0.658         | 0.567         | 0.552         | 0.516         | 0.460         | 0.403         | 0.369         | 0.279         | 0.207        | -26.1%                         | -6.0%                                             | 0.1%                         |
| Latvia                            | 0.005         | 0.004         | 0.003         | 0.003         | 0.002         | 0.002         | 0.002         | 0.002         | 0.002         | 0.001        | -44.1%                         | -7.3%                                             | ♦                            |
| Lithuania                         | 0.010         | 0.010         | 0.011         | 0.010         | 0.008         | 0.008         | 0.008         | 0.009         | 0.008         | 0.007        | -21.9%                         | 1.7%                                              | ♦                            |
| Luxembourg                        | 0.002         | 0.002         | 0.002         | 0.002         | 0.002         | 0.002         | 0.002         | 0.002         | 0.002         | 0.002        | -2.7%                          | -4.4%                                             | ♦                            |
| Netherlands                       | 0.312         | 0.343         | 0.343         | 0.379         | 0.463         | 0.429         | 0.385         | 0.346         | 0.269         | 0.180        | -33.4%                         | -1.5%                                             | 0.1%                         |
| North Macedonia                   | 0.062         | 0.058         | 0.049         | 0.045         | 0.041         | 0.037         | 0.040         | 0.036         | 0.043         | 0.036        | -16.5%                         | -2.6%                                             | ♦                            |
| Norway                            | 0.035         | 0.034         | 0.033         | 0.036         | 0.032         | 0.033         | 0.034         | 0.033         | 0.033         | 0.033        | -0.3%                          | 3.4%                                              | ♦                            |
| Poland                            | 2.301         | 2.145         | 2.235         | 2.070         | 2.038         | 2.072         | 2.084         | 2.085         | 1.858         | 1.669        | -10.4%                         | -1.5%                                             | 1.1%                         |
| Portugal                          | 0.093         | 0.122         | 0.111         | 0.112         | 0.136         | 0.119         | 0.136         | 0.114         | 0.052         | 0.024        | -53.8%                         | -7.9%                                             | ♦                            |
| Romania                           | 0.344         | 0.317         | 0.246         | 0.243         | 0.252         | 0.225         | 0.225         | 0.215         | 0.208         | 0.152        | -27.0%                         | -4.1%                                             | 0.1%                         |
| Slovakia                          | 0.153         | 0.144         | 0.143         | 0.141         | 0.136         | 0.134         | 0.140         | 0.139         | 0.113         | 0.083        | -26.9%                         | -3.4%                                             | 0.1%                         |
| Slovenia                          | 0.061         | 0.058         | 0.056         | 0.044         | 0.045         | 0.048         | 0.048         | 0.046         | 0.044         | 0.044        | -1.1%                          | -2.9%                                             | ♦                            |
| Spain                             | 0.536         | 0.649         | 0.477         | 0.487         | 0.573         | 0.439         | 0.563         | 0.463         | 0.157         | 0.073        | -53.7%                         | -8.8%                                             | ♦                            |
| Sweden                            | 0.103         | 0.088         | 0.090         | 0.085         | 0.084         | 0.083         | 0.083         | 0.083         | 0.082         | 0.075        | -9.3%                          | -0.2%                                             | ♦                            |
| Switzerland                       | 0.006         | 0.005         | 0.006         | 0.006         | 0.005         | 0.005         | 0.005         | 0.004         | 0.004         | 0.004        | -0.3%                          | -4.7%                                             | ♦                            |
| Turkey                            | 1.418         | 1.528         | 1.322         | 1.513         | 1.454         | 1.610         | 1.652         | 1.711         | 1.755         | 1.659        | -5.8%                          | 3.1%                                              | 1.1%                         |
| Ukraine                           | 1.737         | 1.789         | 1.734         | 1.489         | 1.145         | 1.359         | 1.078         | 1.175         | 1.077         | 0.984        | -8.9%                          | -3.3%                                             | 0.6%                         |
| United Kingdom                    | 1.317         | 1.631         | 1.548         | 1.246         | 0.966         | 0.464         | 0.379         | 0.317         | 0.218         | 0.194        | -11.3%                         | -16.0%                                            | 0.1%                         |
| Other Europe                      | 0.656         | 0.590         | 0.611         | 0.504         | 0.576         | 0.599         | 0.594         | 0.588         | 0.684         | 0.574        | -16.3%                         | 1.7%                                              | 0.4%                         |
| <b>Total Europe</b>               | <b>15.986</b> | <b>16.344</b> | <b>15.805</b> | <b>14.844</b> | <b>14.210</b> | <b>13.696</b> | <b>13.227</b> | <b>12.903</b> | <b>11.134</b> | <b>9.398</b> | <b>-15.8%</b>                  | <b>-2.7%</b>                                      | <b>6.2%</b>                  |

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Table 10.3: Coal offtake in major Coal Consuming Countries of the World During Last Ten Years

(Qty. In MT Oil Equivalent)

| Countries                 | 2011           | 2012           | 2013           | 2014           | 2015           | 2016           | 2017           | 2018           | 2019           | 2020           | Change<br>2020<br>over<br>2019 | Average<br>Growth<br>Rate Per<br>Annum<br>2009-19 | 2020<br>Share<br>of<br>Total |
|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|---------------------------------------------------|------------------------------|
| (1)                       | (2)            | (3)            | (4)            | (5)            | (6)            | (7)            | (8)            | (9)            | (10)           | (11)           | (12)                           | (13)                                              | (14)                         |
| Azerbaijan                | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | -0.3%                          | -16.4%                                            | ♦                            |
| Belarus                   | 0.032          | 0.033          | 0.035          | 0.035          | 0.031          | 0.034          | 0.035          | 0.053          | 0.056          | 0.055          | -0.7%                          | 8.0%                                              | ♦                            |
| Kazakhstan                | 1.522          | 1.585          | 1.569          | 1.551          | 1.434          | 1.419          | 1.522          | 1.705          | 1.662          | 1.636          | -1.8%                          | 2.5%                                              | 1.1%                         |
| Russian Federation        | 3.936          | 4.121          | 3.790          | 3.666          | 3.857          | 3.737          | 3.514          | 3.628          | 3.567          | 3.274          | -8.5%                          | -0.8%                                             | 2.2%                         |
| Uzbekistan                | 0.036          | 0.048          | 0.072          | 0.066          | 0.053          | 0.063          | 0.059          | 0.085          | 0.075          | 0.100          | 32.4%                          | 6.6%                                              | 0.1%                         |
| Other CIS                 | 0.046          | 0.053          | 0.057          | 0.072          | 0.079          | 0.075          | 0.086          | 0.092          | 0.086          | 0.110          | 27.9%                          | 7.8%                                              | 0.1%                         |
| <b>Total CIS</b>          | <b>5.572</b>   | <b>5.841</b>   | <b>5.523</b>   | <b>5.389</b>   | <b>5.454</b>   | <b>5.328</b>   | <b>5.217</b>   | <b>5.563</b>   | <b>5.445</b>   | <b>5.175</b>   | <b>-5.2%</b>                   | <b>0.3%</b>                                       | <b>3.4%</b>                  |
| Iran                      | 0.060          | 0.047          | 0.060          | 0.068          | 0.065          | 0.063          | 0.069          | 0.072          | 0.074          | 0.074          | -0.3%                          | 2.7%                                              | ♦                            |
| Israel                    | 0.332          | 0.369          | 0.297          | 0.276          | 0.270          | 0.231          | 0.209          | 0.197          | 0.208          | 0.168          | -19.8%                         | -4.3%                                             | 0.1%                         |
| Kuwait                    | 0.001          | 0.000          | 0.011          | 0.009          | 0.008          | 0.009          | 0.007          | 0.008          | 0.007          | 0.001          | -82.3%                         | -                                                 | ♦                            |
| Oman                      | 0.000          | 0.001          | 0.002          | 0.001          | 0.002          | 0.002          | 0.003          | 0.003          | 0.007          | 0.014          | 90.7%                          | 61.6%                                             | ♦                            |
| Saudi Arabia              | 0.003          | 0.003          | 0.004          | 0.007          | 0.006          | 0.004          | 0.005          | 0.004          | 0.004          | 0.004          | -0.3%                          | 16.4%                                             | ♦                            |
| United Arab Emirates      | 0.019          | 0.058          | 0.074          | 0.083          | 0.072          | 0.077          | 0.089          | 0.080          | 0.083          | 0.108          | 30.6%                          | 21.9%                                             | 0.1%                         |
| Other Middle East         | 0.015          | 0.021          | 0.020          | 0.026          | 0.018          | 0.019          | 0.017          | 0.018          | 0.015          | 0.015          | 0.4%                           | 6.1%                                              | ♦                            |
| <b>Total Middle East</b>  | <b>0.430</b>   | <b>0.499</b>   | <b>0.468</b>   | <b>0.470</b>   | <b>0.440</b>   | <b>0.406</b>   | <b>0.400</b>   | <b>0.383</b>   | <b>0.399</b>   | <b>0.384</b>   | <b>-3.9%</b>                   | <b>-0.1%</b>                                      | <b>0.3%</b>                  |
| Algeria                   | 0.012          | 0.012          | 0.007          | 0.007          | 0.006          | 0.002          | 0.008          | 0.021          | 0.017          | 0.017          | -0.3%                          | -1.6%                                             | ♦                            |
| Egypt                     | 0.018          | 0.016          | 0.016          | 0.016          | 0.034          | 0.051          | 0.050          | 0.090          | 0.083          | 0.031          | -62.1%                         | 12.3%                                             | ♦                            |
| Morocco                   | 0.125          | 0.127          | 0.126          | 0.169          | 0.186          | 0.179          | 0.186          | 0.216          | 0.279          | 0.280          | 0.1%                           | 9.4%                                              | 0.2%                         |
| South Africa              | 3.790          | 3.699          | 3.699          | 3.747          | 3.515          | 3.780          | 3.719          | 3.529          | 3.641          | 3.482          | -4.6%                          | -0.8%                                             | 2.3%                         |
| Eastern Africa            | 0.126          | 0.103          | 0.156          | 0.241          | 0.202          | 0.165          | 0.201          | 0.231          | 0.196          | 0.203          | 3.7%                           | 8.7%                                              | 0.1%                         |
| Middle Africa             | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.004          | 0.004          | 0.001          | 0.001          | -52.2%                         | 64.4%                                             | ♦                            |
| Western Africa            | 0.014          | 0.013          | 0.013          | 0.019          | 0.022          | 0.040          | 0.041          | 0.043          | 0.041          | 0.037          | -9.9%                          | 15.5%                                             | ♦                            |
| Other Northern Africa     | 0.001          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | 0.000          | n/a                            | n/a                                               | -                            |
| Other Southern Africa     | 0.041          | 0.053          | 0.049          | 0.060          | 0.058          | 0.058          | 0.067          | 0.069          | 0.060          | 0.056          | -6.3%                          | 2.7%                                              | ♦                            |
| <b>Total Africa</b>       | <b>4.125</b>   | <b>4.024</b>   | <b>4.067</b>   | <b>4.259</b>   | <b>4.023</b>   | <b>4.276</b>   | <b>4.275</b>   | <b>4.203</b>   | <b>4.317</b>   | <b>4.108</b>   | <b>-5.1%</b>                   | <b>0.2%</b>                                       | <b>2.7%</b>                  |
| Australia                 | 2.131          | 1.996          | 1.894          | 1.879          | 1.945          | 1.944          | 1.877          | 1.832          | 1.754          | 1.689          | -4.0%                          | -2.9%                                             | 1.1%                         |
| Bangladesh                | 0.046          | 0.038          | 0.053          | 0.032          | 0.095          | 0.070          | 0.078          | 0.086          | 0.139          | 0.155          | 11.1%                          | 11.0%                                             | 0.1%                         |
| China                     | 79.710         | 80.713         | 82.441         | 82.493         | 80.937         | 80.213         | 80.588         | 81.110         | 81.789         | 82.270         | 0.3%                           | 1.5%                                              | 54.3%                        |
| China Hong Kong SAR       | 0.310          | 0.305          | 0.325          | 0.341          | 0.280          | 0.280          | 0.263          | 0.263          | 0.258          | 0.138          | -46.9%                         | -1.5%                                             | 0.1%                         |
| India                     | 12.754         | 13.816         | 14.785         | 16.235         | 16.554         | 16.842         | 17.441         | 18.588         | 18.598         | 17.537         | -6.0%                          | 4.7%                                              | 11.6%                        |
| Indonesia                 | 1.962          | 2.219          | 2.387          | 1.889          | 2.141          | 2.233          | 2.393          | 2.839          | 3.414          | 3.256          | -4.9%                          | 9.4%                                              | 2.2%                         |
| Japan                     | 4.618          | 4.875          | 5.074          | 4.989          | 5.033          | 5.023          | 5.097          | 4.992          | 4.905          | 4.574          | -7.0%                          | 1.4%                                              | 3.0%                         |
| Malaysia                  | 0.618          | 0.665          | 0.630          | 0.643          | 0.728          | 0.784          | 0.869          | 0.932          | 0.955          | 1.137          | 18.7%                          | 7.9%                                              | 0.8%                         |
| New Zealand               | 0.059          | 0.073          | 0.064          | 0.059          | 0.060          | 0.050          | 0.052          | 0.056          | 0.064          | 0.061          | -4.8%                          | -0.5%                                             | ♦                            |
| Pakistan                  | 0.167          | 0.169          | 0.134          | 0.198          | 0.195          | 0.224          | 0.299          | 0.496          | 0.558          | 0.622          | 11.0%                          | 10.5%                                             | 0.4%                         |
| Philippines               | 0.324          | 0.339          | 0.419          | 0.446          | 0.486          | 0.548          | 0.648          | 0.685          | 0.732          | 0.728          | -0.9%                          | 11.2%                                             | 0.5%                         |
| Singapore                 | 0.000          | 0.001          | 0.011          | 0.016          | 0.017          | 0.018          | 0.038          | 0.020          | 0.019          | 0.020          | 2.3%                           | 60.6%                                             | ♦                            |
| South Korea               | 3.504          | 3.376          | 3.414          | 3.534          | 3.576          | 3.412          | 3.608          | 3.628          | 3.439          | 3.029          | -12.2%                         | 1.8%                                              | 2.0%                         |
| Sri Lanka                 | 0.013          | 0.019          | 0.020          | 0.039          | 0.052          | 0.055          | 0.057          | 0.055          | 0.062          | 0.066          | 7.0%                           | 38.1%                                             | ♦                            |
| Taiwan                    | 1.688          | 1.649          | 1.683          | 1.701          | 1.650          | 1.641          | 1.696          | 1.705          | 1.671          | 1.634          | -2.5%                          | 1.0%                                              | 1.1%                         |
| Thailand                  | 0.657          | 0.690          | 0.679          | 0.748          | 0.735          | 0.749          | 0.752          | 0.802          | 0.714          | 0.728          | 1.6%                           | 1.3%                                              | 0.5%                         |
| Vietnam                   | 0.726          | 0.674          | 0.720          | 0.870          | 1.098          | 1.189          | 1.188          | 1.582          | 2.067          | 2.102          | 1.4%                           | 16.0%                                             | 1.4%                         |
| Other Asia Pacific        | 0.562          | 0.583          | 0.454          | 0.510          | 0.487          | 0.622          | 0.624          | 0.629          | 1.232          | 1.228          | -0.6%                          | 6.0%                                              | 0.8%                         |
| <b>Total Asia Pacific</b> | <b>109.850</b> | <b>112.200</b> | <b>115.188</b> | <b>116.620</b> | <b>116.069</b> | <b>115.898</b> | <b>117.568</b> | <b>120.298</b> | <b>122.372</b> | <b>120.973</b> | <b>-1.4%</b>                   | <b>2.3%</b>                                       | <b>79.9%</b>                 |
| <b>Total World</b>        | <b>158.474</b> | <b>159.078</b> | <b>161.973</b> | <b>162.499</b> | <b>158.635</b> | <b>156.606</b> | <b>157.397</b> | <b>159.260</b> | <b>157.639</b> | <b>151.425</b> | <b>-4.2%</b>                   | <b>0.9%</b>                                       | <b>100.0%</b>                |
| <b>of which: OECD</b>     | <b>45.117</b>  | <b>43.287</b>  | <b>43.634</b>  | <b>42.942</b>  | <b>40.235</b>  | <b>37.960</b>  | <b>37.649</b>  | <b>36.327</b>  | <b>32.298</b>  | <b>27.461</b>  | <b>-15.2%</b>                  | <b>-2.9%</b>                                      | <b>18.1%</b>                 |
| <b>Non-OECD</b>           | <b>113.357</b> | <b>115.791</b> | <b>118.339</b> | <b>119.557</b> | <b>118.400</b> | <b>118.646</b> | <b>119.748</b> | <b>122.933</b> | <b>125.341</b> | <b>123.963</b> | <b>-1.4%</b>                   | <b>2.2%</b>                                       | <b>81.9%</b>                 |
| <b>European Union #</b>   | <b>10.751</b>  | <b>10.704</b>  | <b>10.499</b>  | <b>10.002</b>  | <b>9.987</b>   | <b>9.585</b>   | <b>9.440</b>   | <b>9.033</b>   | <b>7.317</b>   | <b>5.910</b>   | <b>-19.4%</b>                  | <b>-3.0%</b>                                      | <b>3.9%</b>                  |

\* Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, and other commercial solid fuels.

♦ Less than 0.005. n/a not available.

USSR includes Georgia, Ukraine and the Baltic States.

# Excludes Estonia, Latvia and Lithuania prior to 1985 and Croatia and Slovenia prior to 1990.

**Notes:** Differences between these consumption figures and the world production statistics are accounted for by stock changes, and unavoidable disparities**Annual changes and share of total are calculated using million tonnes oil equivalent figures.**

Table 10.4: Trends of World Coal Prices

(in USD/ Tonne)

| Year | Northwest Europe Marker Price † | US Central Appalachian Coal Spot Price Index ‡ | Japan Steam Spot CIF price † | China Qinhuangdao Spot Price* | Japan Coking Coal Import CIF Price | Japan Steam Coal Import CIF Price | Asian Marker Price † |
|------|---------------------------------|------------------------------------------------|------------------------------|-------------------------------|------------------------------------|-----------------------------------|----------------------|
| (1)  | (2)                             | (3)                                            | (4)                          | (5)                           | (6)                                | (7)                               | (8)                  |
| 1987 | 31.30                           | -                                              | -                            | -                             | 53.44                              | 41.28                             | -                    |
| 1988 | 39.94                           | -                                              | -                            | -                             | 55.06                              | 42.47                             | -                    |
| 1989 | 42.08                           | -                                              | -                            | -                             | 58.68                              | 48.86                             | -                    |
| 1990 | 43.48                           | 31.59                                          | -                            | -                             | 60.54                              | 50.81                             | -                    |
| 1991 | 42.80                           | 29.01                                          | -                            | -                             | 60.45                              | 50.30                             | -                    |
| 1992 | 38.53                           | 28.53                                          | -                            | -                             | 57.82                              | 48.45                             | -                    |
| 1993 | 33.68                           | 29.85                                          | -                            | -                             | 55.26                              | 45.71                             | -                    |
| 1994 | 37.18                           | 31.72                                          | -                            | -                             | 51.77                              | 43.66                             | -                    |
| 1995 | 44.50                           | 27.01                                          | -                            | -                             | 54.47                              | 47.58                             | -                    |
| 1996 | 41.25                           | 29.86                                          | -                            | -                             | 56.68                              | 49.54                             | -                    |
| 1997 | 38.92                           | 29.76                                          | -                            | -                             | 55.51                              | 45.53                             | -                    |
| 1998 | 32.00                           | 31.00                                          | -                            | -                             | 50.76                              | 40.51                             | 29.48                |
| 1999 | 28.79                           | 31.29                                          | -                            | -                             | 42.83                              | 35.74                             | 27.82                |
| 2000 | 35.99                           | 29.90                                          | -                            | 27.52                         | 39.69                              | 34.58                             | 31.76                |
| 2001 | 39.03                           | 50.15                                          | 37.69                        | 31.78                         | 41.33                              | 37.96                             | 36.89                |
| 2002 | 31.65                           | 33.20                                          | 31.47                        | 33.19                         | 42.01                              | 36.90                             | 30.41                |
| 2003 | 43.60                           | 38.52                                          | 39.61                        | 31.74                         | 41.57                              | 34.74                             | 36.53                |
| 2004 | 72.13                           | 64.90                                          | 74.22                        | 42.76                         | 60.96                              | 51.34                             | 72.42                |
| 2005 | 60.54                           | 70.12                                          | 64.62                        | 51.34                         | 89.33                              | 62.91                             | 61.84                |
| 2006 | 64.11                           | 57.82                                          | 65.22                        | 53.53                         | 93.46                              | 63.04                             | 56.47                |
| 2007 | 88.79                           | 49.73                                          | 95.59                        | 61.23                         | 88.24                              | 69.86                             | 84.57                |
| 2008 | 147.67                          | 117.42                                         | 157.88                       | 104.97                        | 179.03                             | 122.81                            | 148.06               |
| 2009 | 70.39                           | 60.73                                          | 83.59                        | 87.86                         | 167.82                             | 110.11                            | 78.81                |
| 2010 | 92.35                           | 67.87                                          | 108.47                       | 110.08                        | 158.95                             | 105.19                            | 105.43               |
| 2011 | 121.48                          | 84.75                                          | 126.13                       | 127.27                        | 229.12                             | 136.21                            | 125.74               |
| 2012 | 92.50                           | 67.28                                          | 100.30                       | 111.89                        | 191.46                             | 133.61                            | 105.50               |
| 2013 | 81.69                           | 69.72                                          | 90.07                        | 95.42                         | 140.45                             | 111.16                            | 90.90                |
| 2014 | 75.38                           | 67.08                                          | 76.13                        | 84.12                         | 114.41                             | 97.65                             | 77.89                |
| 2015 | 56.79                           | 51.57                                          | 60.10                        | 67.53                         | 93.85                              | 79.47                             | 63.52                |
| 2016 | 59.87                           | 51.45                                          | 71.66                        | 71.35                         | 89.40                              | 72.97                             | 71.12                |
| 2017 | 84.51                           | 63.83                                          | 95.57                        | 94.72                         | 150.00                             | 99.16                             | 99.42                |
| 2018 | 91.83                           | 72.84                                          | 112.73                       | 99.45                         | 158.49                             | 117.39                            | 111.69               |
| 2019 | 60.86                           | 57.16                                          | 85.48                        | 85.89                         | 148.52                             | 108.58                            | 88.98                |
| 2020 | 50.28                           | 42.77                                          | 69.77                        | 83.10                         | 108.41                             | 80.50                             | 71.33                |

† Source: IHS Northwest Europe prices for 1987-2000 are the average of the monthly marker, 2001-2020 the average of weekly prices. IHS Japan prices basis = 6,000 kilocalories per kilogram NAR CIF.

The Asian prices are the average of the monthly marker.

Chinese prices are the average monthly price for 2000-2005, weekly prices 2006-2020, 5,500 kilocalories per kilogram NAR, including cost and freight (CFR).

‡ Source: S&P Global Platts ©2020, S&P Global Inc. Prices are for CAPP 12,500 Btu, 1.2 SO<sub>2</sub> coal, fob. Prices for 1990-2000 are by coal price publication date, 2001-2005 by coal price assessment date. 2006-2020 weekly CAPP 12,500 BTU, 1.6 SO<sub>2</sub> coal, fob.

**Note:** CAPP = Central Appalachian; CIF = cost+insurance+freight (average prices); FOB = free on board.

**Table-10.5: Production of Coal, Coke and Lignite by major Coal Producing Countries during 2019 & 2020 e**  
(Qty. in MT)

| Country                      | 2019          |                               |                     |                |                            | 2020 e        |                               |                     |                |                            |
|------------------------------|---------------|-------------------------------|---------------------|----------------|----------------------------|---------------|-------------------------------|---------------------|----------------|----------------------------|
|                              | Coking Coal   | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat | Coking Coal   | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat |
| (1)                          | (7)           | (8)                           | (9)                 | (10)           | (11)                       | (2)           | (3)                           | (4)                 | (5)            | (6)                        |
| Canada                       | 30158         | 3784                          | 12669               | 2428           | 9370                       | 26082         | 5103                          | 7801                | 2161           | 7181                       |
| Mexico                       | 3275          | 28                            | 5288                | 991            | 338                        | 4587          | 39                            | 4195                | 795            | 270                        |
| United States                | 64644         | 244772                        | 282635              | 11675          | 48255                      | 49829         | 167468                        | 222889              | 9392           | 44123                      |
| <b>North America</b>         | <b>98077</b>  | <b>248584</b>                 | <b>300592</b>       | <b>15094</b>   | <b>57963</b>               | <b>80498</b>  | <b>172610</b>                 | <b>234885</b>       | <b>12348</b>   | <b>51574</b>               |
| Chile                        | 0             | 1427                          | 0                   | 376            | 0                          | 0             | 192                           | 0                   | 350            | 0                          |
| Colombia                     | 5399          | 78944                         | 0                   | 3188           | 0                          | 3951          | 45380                         | 0                   | 2064           | 0                          |
| Argentina                    | 0             | 105                           | 0                   | 810            | 0                          | 0             | 20                            | 0                   | 891            | 0                          |
| Brazil                       | 0             | 124                           | 3664                | 9260           | 1622                       | 0             | 0                             | 3170                | 8512           | 2311                       |
| Others Country               | 0             | 564                           | 0                   | 0              | 0                          | 0             | 596                           | 0                   | 0              | 0                          |
| <b>South America</b>         | <b>5399</b>   | <b>81164</b>                  | <b>3664</b>         | <b>13633</b>   | <b>1622</b>                | <b>3951</b>   | <b>46187</b>                  | <b>3170</b>         | <b>11818</b>   | <b>2311</b>                |
| Austria                      | 0             | 0                             | 0                   | 1316           | 0                          | 0             | 0                             | 0                   | 1327           | 0                          |
| Belgium                      | 0             | 0                             | 0                   | 1211           | 0                          | 0             | 0                             | 0                   | 1105           | 0                          |
| Czech Republic               | 2032          | 1400                          | 0                   | 2352           | 37471                      | 1025          | 1120                          | 0                   | 2227           | 29433                      |
| Estonia                      | 0             | 0                             | 0                   | 23             | 0                          | 0             | 0                             | 0                   | 15             | 0                          |
| Finland                      | 0             | 0                             | 0                   | 836            | 0                          | 0             | 0                             | 0                   | 762            | 0                          |
| France                       | 0             | 0                             | 0                   | 3113           | 0                          | 0             | 0                             | 0                   | 2312           | 0                          |
| Germany                      | 0             | 0                             | 0                   | 7786           | 131314                     | 0             | 0                             | 0                   | 7483           | 107377                     |
| Greece                       | 0             | 0                             | 0                   | 0              | 27375                      | 0             | 0                             | 0                   | 0              | 13851                      |
| Hungary                      | 0             | 0                             | 0                   | 892            | 6847                       | 0             | 0                             | 0                   | 831            | 6125                       |
| Italy                        | 0             | 0                             | 0                   | 1688           | 0                          | 0             | 0                             | 0                   | 1456           | 0                          |
| Netherlands                  | 0             | 0                             | 0                   | 1988           | 0                          | 0             | 0                             | 0                   | 1879           | 0                          |
| Norway                       | 0             | 121                           | 0                   | 0              | 0                          | 0             | 69                            | 0                   | 0              | 0                          |
| Poland                       | 12071         | 49552                         | 0                   | 8916           | 50329                      | 12274         | 42112                         | 0                   | 7783           | 45983                      |
| Slovak Republic              | 0             | 0                             | 0                   | 1398           | 1465                       | 0             | 0                             | 0                   | 1165           | 983                        |
| Slovenia                     | 0             | 0                             | 0                   | 0              | 3143                       | 0             | 0                             | 0                   | 0              | 3175                       |
| Spain                        | 0             | 0                             | 0                   | 838            | 0                          | 0             | 0                             | 0                   | 546            | 0                          |
| Sweden                       | 0             | 0                             | 0                   | 1105           | 0                          | 0             | 0                             | 0                   | 1070           | 0                          |
| Turkey                       | 699           | 508                           | 2188                | 4279           | 83695                      | 601           | 476                           | 2132.9e             | 4422           | 71239                      |
| United Kingdom               | 689           | 1477                          | 0                   | 1314           | 0                          | 512           | 1161                          | 0                   | 1218           | 0                          |
| Albania                      | 0             | 95                            | 0                   | 0              | 0                          | 0             | 127                           | 0                   | 0              | 0                          |
| Bosnia and Herzegovina       | 0             | 0                             | 0                   | 907            | 13377                      | 0             | 0                             | 0                   | 785            | 13582                      |
| Bulgaria                     | 0             | 0                             | 0                   | 0              | 28001                      | 0             | 0                             | 0                   | 0              | 22298                      |
| Georgia                      | 0             | 0                             | 0                   | 0              | 15                         | 0             | 0                             | 0                   | 0              | 99                         |
| Kosovo                       | 0             | 0                             | 0                   | 0              | 8063                       | 0             | 0                             | 0                   | 0              | 8538                       |
| Montenegro                   | 0             | 0                             | 0                   | 0              | 1605                       | 0             | 0                             | 0                   |                | 1456                       |
| Republic of North Macedonia  | 0             | 0                             | 0                   | 0              | 5477                       | 0             | 0                             | 0                   | 0              | 5026                       |
| Romania                      | 0             | 0                             | 0                   | 0              | 21652                      | 0             | 0                             | 0                   | 0              | 15002                      |
| Russian Federation           | 97021         | 260543                        | 0                   | 45999          | 81886                      | 90464         | 234500                        | 0                   | 45926          | 73320                      |
| Serbia                       | 0             | 0                             | 0                   | 0              | 38881                      | 0             | 0                             | 0                   | 0              | 39673                      |
| Ukraine                      | 5783          | 18812                         | 935                 | 10055          | 0                          |               | 14370                         | 2133                | 9539           |                            |
| <b>Europe</b>                | <b>118295</b> | <b>332509</b>                 | <b>3123</b>         | <b>96017</b>   | <b>540596</b>              | <b>104877</b> | <b>293935</b>                 | <b>2133</b>         | <b>91849</b>   | <b>457162</b>              |
| Australia                    | 189066        | 244916                        | 26472               | 2320           | 43315                      | 183740        | 241595                        | 25934               | 2459           | 41513                      |
| New Zealand                  | 1201          | 90                            | 1455                | 425            | 288                        | 1039          | 90                            | 1392                | 407            | 298                        |
| <b>Australia and Oceania</b> | <b>190267</b> | <b>245006</b>                 | <b>27927</b>        | <b>2745</b>    | <b>43603</b>               | <b>184779</b> | <b>241685</b>                 | <b>27326</b>        | <b>2866</b>    | <b>41811</b>               |
| Contd.....                   |               |                               |                     |                |                            |               |                               |                     |                |                            |
| Algeria                      | 0             | 0                             | 0                   | 15             | 0                          | 0             | 0                             | 0                   |                | 0                          |
| Botswana                     | 0             | 2111                          | 0                   | 0              | 0                          | 0             | 1876                          | 0                   |                | 0                          |

**Table-10.5: Production of Coal, Coke and Lignite by major Coal Producing Countries during 2019 & 2020 e**  
(Qty. in MT)

| Country                     | 2019           |                               |                     |                |                            | 2020 e         |                               |                     |                |                            |
|-----------------------------|----------------|-------------------------------|---------------------|----------------|----------------------------|----------------|-------------------------------|---------------------|----------------|----------------------------|
|                             | Coking Coal    | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat | Coking Coal    | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat |
| (1)                         | (7)            | (8)                           | (9)                 | (10)           | (11)                       | (2)            | (3)                           | (4)                 | (5)            | (6)                        |
| Egypt                       | 0              | 0                             | 0                   | 496            | 0                          | 0              | 0                             | 0                   |                | 0                          |
| Ethiopia                    | 0              | 2                             | 0                   | 0              | 0                          | 0              | 2                             | 0                   |                | 0                          |
| Mozambique                  | 5946           | 4932                          | 0                   | 0              | 0                          | 4567           | 2683                          | 0                   |                | 0                          |
| Niger                       | 0              | 0                             | 0                   | 0              | 226                        | 0              | 0                             | 0                   |                | 247                        |
| Nigeria                     | 0              | 55                            | 0                   | 0              | 0                          | 0              | 56                            | 0                   |                | 0                          |
| South Africa                | 3118           | 254735                        | 0                   | 1880           | 0                          | 3081           | 243427                        | 0                   |                | 0                          |
| United Republic of Tanzania | 0              | 712                           | 0                   | 0              | 0                          | 0              | 712                           | 0                   |                | 0                          |
| Zambia                      | 0              | 996                           | 0                   | 0              | 0                          | 0              | 1104                          | 0                   |                | 0                          |
| Zimbabwe                    | 311            | 2766                          | 0                   | 229            | 0                          | 311            | 3348                          | 0                   |                | 0                          |
| Other Africa                | 0              | 188                           | 0                   | 0              | 0                          | 0              | 240                           | 0                   |                | 0                          |
| <b>Africa</b>               | <b>9375</b>    | <b>266497</b>                 | <b>0</b>            | <b>2619</b>    | <b>226</b>                 | <b>7958</b>    | <b>253448</b>                 | <b>0</b>            | <b>0</b>       | <b>247</b>                 |
| Japan                       | 0              | 775                           | 0                   | 32370          | 0                          | 0              | 790                           | 0                   | 29050          | 0                          |
| Korea                       | 0              | 1086                          | 0                   | 16176          | 0                          | 0              | 1019                          | 0                   | 15346          | 0                          |
| Bangladesh                  | 0              | 923                           | 0                   | 0              | 0                          | 0              | 1016                          | 0                   |                | 0                          |
| Cambodia                    | 0              | 0                             | 27                  | 0              | 0                          | 0              | 0                             | 64                  |                | 0                          |
| India                       | 49346          | 677936                        | 0                   | 40623          | 42103                      | 42018          | 674563                        | 0                   |                | 36878                      |
| Indonesia                   | 5800           | 83469                         | 511328              | 0              | 0                          | 5444           | 78345                         | 479939              | 0              | 0                          |
| DPR of Korea                | 0              | 18419                         | 1791                | 0              | 0                          | 0              | 18413                         | 1791                |                | 0                          |
| Lao PDR                     | 0              | 161                           | 0                   | 0              | 15264                      | 0              | 140                           | 0                   |                | 15900                      |
| Malaysia                    | 0              | 2768                          | 0                   | 0              | 0                          | 0              | 2977                          | 0                   |                | 0                          |
| Mongolia                    | 28963          | 6683                          | 0                   | 47             | 8053                       | 27217          | 6280                          | 0                   |                | 6021                       |
| Myanmar                     | 0              | 0                             | 1326                | 0              | 785                        | 0              | 0                             | 1326                |                | 789                        |
| Nepal                       | 0              | 27                            | 0                   | 0              | 0                          | 0              | 28                            | 0                   |                | 0                          |
| Pakistan                    | 0              | 4393                          | 0                   | 0              | 1124                       | 0              | 3492                          | 0                   |                | 1363                       |
| Philippines                 | 0              | 0                             | 13751               | 0              | 0                          | 0              | 0                             | 13752               |                | 0                          |
| Chinese Taipei              | 0              | 0                             | 0                   | 6175           | 0                          | 0              | 0                             | 0                   | 5955           | 0                          |
| Thailand                    | 0              | 0                             | 0                   | 0              | 14078                      | 0              | 0                             | 0                   |                | 13251                      |
| Viet Nam                    | 150            | 45663                         | 0                   | 4334           | 0                          | 150            | 47639                         | 0                   |                | 0                          |
| People's Republic of China  | 538634         | 2970445                       |                     | 472958         |                            | 553656         | 3004550                       |                     |                |                            |
| Kazakhstan                  | 4262           | 94331                         | 0                   | 2605           | 5929                       | 3947           | 90485                         | 0                   |                | 5302                       |
| Kyrgyzstan                  | 0              | 329                           | 0                   | 0              | 2277                       | 0              | 286                           | 0                   |                | 2001                       |
| Tajikistan                  | 0              | 1964                          | 0                   | 0              | 65                         | 0              | 2024                          | 0                   |                | 79                         |
| Uzbekistan                  | 0              | 242                           | 0                   | 0              | 3806                       | 0              | 242                           | 0                   |                | 3806                       |
| Islamic Republic of Iran    | 1373           | 143                           | 0                   | 1154           | 0                          | 1369           | 143                           | 0                   |                | 0                          |
| Other Asia                  | 0              | 2614                          | 0                   | 67             | 0                          | 0              | 2424                          | 0                   |                | 0                          |
| <b>Asia</b>                 | <b>628528</b>  | <b>3912370</b>                | <b>528223</b>       | <b>576509</b>  | <b>93484</b>               | <b>633801</b>  | <b>3934855</b>                | <b>496872</b>       | <b>50351</b>   | <b>85390</b>               |
| <b>World Total</b>          | <b>1049941</b> | <b>5086130</b>                | <b>863528</b>       | <b>706618</b>  | <b>737493</b>              | <b>1015864</b> | <b>4942720</b>                | <b>764386</b>       | <b>169232</b>  | <b>638494</b>              |

Source: International Energy Agency (IEA).

Table-10.6: Import of Coal, Coke and Lignite by major Coal Importing Countries during 2019 &amp; 2020 e

(Qty. in MT)

| Country                        | 2019         |                               |                     |                |                            | 2020 e       |                               |                     |                |                            |
|--------------------------------|--------------|-------------------------------|---------------------|----------------|----------------------------|--------------|-------------------------------|---------------------|----------------|----------------------------|
|                                | Coking Coal  | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat | Coking Coal  | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat |
| (1)                            | (2)          | (3)                           | (4)                 | (5)            | (6)                        | (7)          | (8)                           | (9)                 | (10)           | (11)                       |
| Canada                         | 3434         | 1428                          | 1322                | 1285           | 7                          | 4843         | 2222                          | 917                 | 1298           | 9                          |
| Mexico                         | 34           | 481                           | 233                 | 1025           | 4                          | 555          | 7530                          | 1413                | 1219           | 4                          |
| United States                  | 295          | 2319                          | 1911                | 147            | 100                        | 672          | 3508                          | 1824                | 105            | 71                         |
| Others North America           |              | 4663                          |                     |                |                            |              | 4732                          |                     | 2              |                            |
| <b>North America</b>           | <b>3763</b>  | <b>8891</b>                   | <b>3466</b>         | <b>2457</b>    | <b>111</b>                 | <b>6070</b>  | <b>17992</b>                  | <b>4154</b>         | <b>2624</b>    | <b>84</b>                  |
| Chile                          | 509          | 10028                         | 70                  |                |                            | 546          | 12562                         |                     | 1              |                            |
| Argentina                      | 794          | 415                           |                     |                |                            | 722          | 37                            |                     |                |                            |
| Plurinational State of Bolivia |              | 9                             |                     |                |                            |              | 9                             |                     |                |                            |
| Brazil                         | 9209         | 6767                          | 90                  | 1358           |                            | 10184        | 8253                          | 422                 | 1307           |                            |
| Others South America           |              | 220                           |                     |                |                            |              | 389                           |                     | 0              |                            |
| <b>South America</b>           | <b>10512</b> | <b>17438</b>                  | <b>160</b>          | <b>1358</b>    | <b>0</b>                   | <b>11451</b> | <b>21249</b>                  | <b>422</b>          | <b>1308</b>    | <b>0</b>                   |
| Austria                        | 1732         | 976                           | 60                  | 687            | 3                          | 1837         | 1241                          | 66                  | 951            | 2                          |
| Belgium                        | 1679         | 1584                          | 2                   | 202            |                            | 1567         | 2140                          | 1                   | 340            |                            |
| Czech Republic                 | 2310         | 1329                          |                     | 212            | 66                         | 2179         | 1601                          |                     | 207            | 62                         |
| Denmark                        |              | 1111                          |                     | 11             |                            |              | 2387                          |                     | 9              |                            |
| Estonia                        |              | 9                             |                     |                |                            |              | 49                            |                     |                |                            |
| Finland                        | 1038         | 1377                          |                     | 299            |                            | 1176         | 1976                          |                     | 322            |                            |
| France                         | 3149         | 3997                          |                     | 457            | 45                         | 4544         | 5681                          |                     | 631            | 55                         |
| Germany                        | 9822         | 19750                         |                     | 1600           | 28                         | 11251        | 29742                         |                     | 1903           | 24                         |
| Greece                         |              | 304                           |                     |                |                            |              | 327                           |                     |                |                            |
| Hungary                        | 1111         | 98                            |                     | 8              | 117                        | 1228         | 138                           |                     | 33             | 144                        |
| Iceland                        |              |                               |                     | 23.526e        |                            |              | 150                           |                     | 11             |                            |
| Ireland                        |              | 356                           |                     |                |                            |              | 315                           |                     |                |                            |
| Italy                          | 1632         | 5549                          |                     | 427            | 1                          | 2251         | 8010                          |                     | 582            | 1                          |
| Latvia                         |              | 40                            |                     | 0              |                            |              | 79                            |                     | 0              |                            |
| Lithuania                      |              | 176                           |                     | 18             |                            |              | 285                           |                     | 17             |                            |
| Luxembourg                     |              | 65                            |                     | 0              |                            |              | 64                            |                     | 1              |                            |
| Netherlands                    | 3641         | 2414                          |                     | 75             | 16                         | 4300         | 6067                          |                     | 104            | 10                         |
| Norway                         |              | 819                           |                     | 354            |                            |              | 794                           |                     | 360            |                            |
| Poland                         | 1767         | 11010                         |                     | 192            | 139                        | 3441         | 13183                         |                     | 189            | 290                        |
| Portugal                       |              | 5                             |                     | 10             |                            |              | 2575                          |                     | 9              |                            |
| Slovak Republic                | 1904         | 590                           |                     | 113            | 540                        | 2352         | 992                           |                     | 235            | 507                        |
| Slovenia                       |              | 12                            | 365                 | 21             |                            |              | 11                            | 418                 | 31             |                            |
| Spain                          | 361          | 3607                          |                     | 888            |                            | 780          | 7806                          |                     | 841            |                            |
| Sweden                         | 1402         | 619                           |                     | 119            |                            | 1526         | 842                           |                     | 456            |                            |
| Switzerland                    |              | 22                            |                     | 13             | 103                        |              | 29                            |                     | 12             | 97                         |
| Turkey                         | 6157         | 33949                         |                     | 653            |                            | 6410         | 31731                         |                     | 653            |                            |
| United Kingdom                 | 2059         | 2469                          |                     | 1009           |                            | 2177         | 4352                          |                     | 857            |                            |
| Albania                        |              | 137                           |                     |                |                            |              | 121                           |                     |                |                            |
| Armenia                        | 0            | 12                            |                     |                |                            | 0            | 4                             |                     |                |                            |
| Belarus                        |              | 2257                          |                     | 36             |                            |              | 4015                          |                     | 47             |                            |
| Bosnia and Herzegovina         | 1157         |                               |                     | 29             | 86                         | 1531         |                               |                     | 46             | 117                        |
| Bulgaria                       |              | 591                           |                     | 70             |                            |              | 558                           |                     | 62             |                            |
| Croatia                        |              | 592                           |                     | 31             | 18                         |              | 710                           |                     | 28             | 31                         |
| Cyprus                         |              | 24                            |                     |                |                            |              | 32                            |                     |                |                            |
| Georgia                        |              | 197                           |                     | 80             |                            |              | 254                           |                     | 145            |                            |
| Kosovo                         |              | 1                             |                     | 0              | 14                         |              | 1                             |                     | 0              | 11                         |
| Republic of Moldova            |              | 129                           |                     |                |                            | 1            | 146                           |                     |                |                            |
| Montenegro                     |              |                               |                     |                | 5                          |              |                               |                     |                | 5                          |
| Republic of North Macedonia    |              | 1                             | 141                 | 1              | 32                         |              | 81                            | 125                 | 1              | 22                         |
| Romania                        |              | 132                           | 583                 | 647            | 4                          | 2            | 159                           | 877                 | 795            | 5                          |
| Russian Federation             | 592          | 21827                         |                     | 78             | 1530                       | 713          | 21211                         |                     | 66             | 2338                       |
| Serbia                         |              | 214                           |                     | 467            | 491                        |              | 253                           |                     | 812            | 378                        |
| Ukraine                        | 11090        | 5990                          |                     | 382            |                            | 9083         | 12000                         |                     | 877            |                            |
| <b>Europe</b>                  | <b>52602</b> | <b>124341</b>                 | <b>1152</b>         | <b>9189</b>    | <b>3241</b>                | <b>58348</b> | <b>162110</b>                 | <b>1487</b>         | <b>11631</b>   | <b>4097</b>                |

Contd.....

Table-10.6: Import of Coal, Coke and Lignite by major Coal Importing Countries during 2019 &amp; 2020 e

(Qty. in MT)

| Country                      | 2019          |                               |                     |                |                            | 2020 e        |                               |                     |                |                            |
|------------------------------|---------------|-------------------------------|---------------------|----------------|----------------------------|---------------|-------------------------------|---------------------|----------------|----------------------------|
|                              | Coking Coal   | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat | Coking Coal   | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat |
| (1)                          | (2)           | (3)                           | (4)                 | (5)            | (6)                        | (7)           | (8)                           | (9)                 | (10)           | (11)                       |
| Australia                    | 167           | 129                           |                     | 417            |                            | 45            | 137                           |                     | 448            |                            |
| New Zealand                  |               | 40                            | 1039                |                | 0                          |               | 112                           | 962                 |                | 0                          |
| <b>Australia and Oceania</b> | <b>167</b>    | <b>169</b>                    | <b>1039</b>         | <b>417</b>     | <b>0</b>                   | <b>45</b>     | <b>249</b>                    | <b>962</b>          | <b>448</b>     | <b>0</b>                   |
| Algeria                      | 35            |                               |                     |                |                            | 10            |                               |                     | 437            |                            |
| Benin                        |               | 110                           |                     |                |                            |               | 102                           |                     |                |                            |
| Egypt                        | 70            | 1705                          |                     |                |                            | 591           | 3922                          |                     |                |                            |
| Ethiopia                     |               | 453                           |                     |                |                            |               | 453                           |                     |                |                            |
| Kenya                        |               | 654                           |                     |                |                            |               | 2454                          |                     |                |                            |
| Mauritius                    |               | 661                           |                     |                |                            |               | 664                           |                     |                |                            |
| Morocco                      |               | 9965                          |                     |                |                            |               | 10113                         |                     |                |                            |
| Namibia                      |               | 11                            |                     |                |                            |               | 34                            |                     |                |                            |
| Senegal                      |               | 507                           |                     |                |                            |               | 684                           |                     |                |                            |
| South Africa                 | 1157          |                               |                     |                |                            | 759           |                               |                     |                |                            |
| Zimbabwe                     |               |                               |                     |                |                            |               | 11                            |                     | 16             |                            |
| Other Africa                 |               | 1190                          |                     |                |                            |               | 1458                          |                     |                |                            |
| <b>Africa</b>                | <b>1262</b>   | <b>15255</b>                  | <b>0</b>            | <b>0</b>       | <b>0</b>                   | <b>1360</b>   | <b>19894</b>                  | <b>0</b>            | <b>454</b>     | <b>0</b>                   |
| Israel                       |               | 7743                          |                     |                |                            |               | 8417                          |                     |                |                            |
| Japan                        | 42288         | 141141                        |                     | 815            |                            | 46513         | 140379                        |                     | 680            |                            |
| Korea                        | 34820         | 80434                         | 8239                | 266            |                            | 34947         | 92433                         | 9449                | 308            |                            |
| Bangladesh                   |               | 11225                         |                     |                |                            |               | 6997                          |                     |                |                            |
| Brunei Darussalam            |               |                               |                     |                | 300                        |               |                               |                     |                | 341                        |
| Cambodia                     |               |                               | 1477                |                |                            |               |                               | 2524                |                |                            |
| Hong Kong (China)            |               | 5485                          |                     |                |                            |               | 10035                         |                     |                |                            |
| India                        | 63094         | 53891                         | 93944               |                | 323                        | 57768         | 69934                         | 113482              | 2875           | 54                         |
| Indonesia                    | 8756          |                               |                     |                |                            | 7391          |                               |                     |                |                            |
| DPR of Korea                 |               | 528                           |                     |                |                            |               | 19                            |                     | 112            |                            |
| Malaysia                     |               | 31101                         |                     |                |                            |               | 33045                         |                     |                |                            |
| Mongolia                     |               | 61                            |                     |                |                            |               | 54                            |                     |                |                            |
| Myanmar                      |               | 1062                          |                     |                |                            |               | 879                           |                     |                |                            |
| Nepal                        |               | 1421                          |                     |                |                            |               | 1479                          |                     |                |                            |
| Pakistan                     |               | 16065                         |                     |                |                            |               | 16223                         |                     |                |                            |
| Philippines                  |               |                               | 28959               |                | 148                        |               |                               | 27692               | 267            | 163                        |
| Singapore                    |               | 781                           |                     |                |                            |               | 743                           |                     |                |                            |
| Sri Lanka                    |               | 2131                          |                     |                |                            |               | 2389                          |                     |                |                            |
| Chinese Taipei               | 6570          | 45035                         | 11658               | 248            |                            | 7168          | 48414                         | 11751               | 260            |                            |
| Thailand                     |               | 24993                         |                     |                | 136                        |               | 22463                         |                     | 19             | 383                        |
| Viet Nam                     | 6448          | 30067                         | 16282               |                |                            | 5773          | 24015                         | 13005               | 993            |                            |
| People's Republic of China   | 72569         | 236285                        |                     |                |                            | 74658         | 232305                        |                     | 523            |                            |
| Kazakhstan                   | 3             | 18                            |                     |                |                            | 225           | 63                            |                     | 1059           | 0                          |
| Kyrgyzstan                   |               | 753                           |                     |                | 1                          |               | 935                           |                     |                | 84                         |
| Tajikistan                   |               | 29                            |                     |                |                            |               | 19                            |                     |                | 9                          |
| Uzbekistan                   |               | 1072                          |                     |                | 700                        |               | 707                           |                     |                | 717                        |
| Islamic Republic of Iran     |               | 76                            |                     |                |                            | 1             | 170                           |                     | 354            |                            |
| Jordan                       |               | 118                           |                     |                |                            |               | 260                           |                     | 65             |                            |
| Lebanon                      |               | 268                           |                     |                |                            |               | 238                           |                     |                |                            |
| Syrian Arab Republic         |               |                               |                     |                |                            |               |                               |                     | 1              |                            |
| United Arab Emirates         | 2330          | 518                           |                     |                |                            | 2217          | 453                           |                     | 5              | 0                          |
| Yemen                        |               | 337                           |                     |                |                            |               | 134                           |                     |                |                            |
| Other Asia                   |               | 1329                          |                     |                |                            |               | 1310                          |                     |                |                            |
| <b>Asia</b>                  | <b>236879</b> | <b>693967</b>                 | <b>160559</b>       | <b>1330</b>    | <b>1608</b>                | <b>236660</b> | <b>714512</b>                 | <b>177903</b>       | <b>7519</b>    | <b>1751</b>                |
| <b>World Total</b>           | <b>305185</b> | <b>860062</b>                 | <b>166376</b>       | <b>14750</b>   | <b>4960</b>                | <b>313934</b> | <b>936007</b>                 | <b>184928</b>       | <b>23983</b>   | <b>5932</b>                |

Source: International Energy Agency (IEA).

Table 10.7 : Export of Coal, Coke and Lignite by major Exporting Countries During 2019 &amp; 2020 e

(Qty. in MT)

| Country                     | 2019         |                               |                     |                |                            | 2020 e       |                               |                     |                |                            |
|-----------------------------|--------------|-------------------------------|---------------------|----------------|----------------------------|--------------|-------------------------------|---------------------|----------------|----------------------------|
|                             | Coking Coal  | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat | Coking Coal  | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat |
| (1)                         | (2)          | (3)                           | (4)                 | (5)            | (6)                        | (7)          | (8)                           | (9)                 | (10)           | (11)                       |
| Canada                      | 28049        | 3709                          | 87                  | 78             | 103                        | 32958        | 1691                          | 61                  | 39             | 67                         |
| Mexico                      |              | 3                             |                     |                |                            |              | 5                             |                     |                |                            |
| United States               | 38198        | 20712                         | 3724                | 620            | 26                         | 48004        | 31162                         | 5868                | 878            | 28                         |
| <b>North America</b>        | <b>66247</b> | <b>24424</b>                  | <b>3811</b>         | <b>698</b>     | <b>129</b>                 | <b>80962</b> | <b>32858</b>                  | <b>5929</b>         | <b>917</b>     | <b>95</b>                  |
| Chile                       |              |                               |                     | 59             |                            |              |                               |                     | 52             |                            |
| Colombia                    | 1478         | 28963                         |                     | 2027           |                            | 1923         | 69604                         |                     | 3147           |                            |
| Argentina                   |              |                               |                     |                |                            |              | 61                            |                     |                |                            |
| Others South America        |              | 465                           |                     |                |                            |              | 964                           |                     |                |                            |
| <b>South America</b>        | <b>1478</b>  | <b>29428</b>                  | <b>0</b>            | <b>2086</b>    | <b>0</b>                   | <b>1923</b>  | <b>70630</b>                  | <b>0</b>            | <b>3199</b>    | <b>0</b>                   |
| Belgium                     |              | 292                           | 0                   | 136            |                            | 1            | 84                            | 1                   | 38             |                            |
| Czech Republic              | 489          | 341                           |                     | 520            | 491                        | 873          | 562                           |                     | 588            | 685                        |
| Denmark                     |              | 194                           |                     |                |                            |              | 46                            |                     |                |                            |
| Estonia                     |              |                               |                     | 15             |                            |              |                               |                     | 20             |                            |
| Finland                     |              |                               |                     | 101            |                            |              |                               |                     | 164            |                            |
| France                      |              |                               |                     | 13             |                            |              |                               |                     | 6              |                            |
| Germany                     | 10           | 579                           |                     | 746            |                            | 12           | 450                           |                     | 761            |                            |
| Hungary                     |              |                               |                     | 222            | 9                          |              |                               |                     | 276            | 4                          |
| Italy                       |              |                               |                     | 284            |                            |              |                               |                     | 278            |                            |
| Latvia                      |              | 4                             |                     |                |                            |              | 5                             |                     |                |                            |
| Netherlands                 |              |                               |                     | 299            |                            |              |                               |                     | 124            |                            |
| Norway                      |              | 46                            |                     | 0              |                            |              | 79                            |                     | 0              |                            |
| Poland                      | 2633         | 1918                          |                     | 6346           | 54                         | 2575         | 1797                          |                     | 6177           | 148                        |
| Portugal                    |              | 82                            |                     |                |                            |              |                               |                     |                |                            |
| Slovak Republic             |              |                               |                     |                |                            |              |                               |                     | 68             |                            |
| Spain                       |              | 1986                          |                     | 96             |                            |              | 1525                          |                     | 143            |                            |
| Sweden                      |              |                               |                     | 23             |                            |              |                               |                     | 49             |                            |
| Turkey                      | 6            | 117                           |                     | 1              | 4                          | 9            | 47                            |                     | 1              | 1                          |
| United Kingdom              | 3            | 1306                          |                     |                |                            | 3            | 737                           |                     |                |                            |
| Belarus                     |              | 1574                          |                     |                |                            |              | 3243                          |                     |                |                            |
| Bosnia and Herzegovina      |              |                               |                     | 361            | 150                        |              |                               |                     | 455            | 163                        |
| Bulgaria                    |              |                               |                     |                | 28                         |              |                               |                     |                | 50                         |
| Croatia                     |              |                               |                     | 2              |                            |              |                               |                     |                |                            |
| Georgia                     |              |                               |                     |                | 1                          |              |                               |                     |                | 1                          |
| Kosovo                      |              |                               |                     |                | 9                          |              |                               |                     |                | 27                         |
| Montenegro                  |              |                               |                     |                | 111                        |              |                               |                     |                | 111                        |
| Republic of North Macedonia |              | 0                             | 0                   |                |                            |              | 0                             | 1                   |                | 0                          |
| Romania                     |              |                               |                     |                | 2                          |              |                               |                     | 0              | 0                          |
| Russian Federation          | 29105        | 170021                        |                     | 2687           | 13109                      | 24572        | 180823                        |                     | 2798           | 12116                      |
| Serbia                      |              | 1                             |                     | 0              | 72                         |              |                               |                     |                | 94                         |
| Ukraine                     |              | 2                             |                     | 58             |                            | 29           | 32                            |                     | 14             |                            |
| <b>Europe</b>               | <b>32246</b> | <b>178463</b>                 | <b>1</b>            | <b>11908</b>   | <b>14040</b>               | <b>28075</b> | <b>189430</b>                 | <b>2</b>            | <b>11961</b>   | <b>13399</b>               |

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|           |        |        |  |     |  |        |        |  |     |  |
|-----------|--------|--------|--|-----|--|--------|--------|--|-----|--|
| Australia | 177304 | 212690 |  | 814 |  | 183156 | 209778 |  | 657 |  |
|-----------|--------|--------|--|-----|--|--------|--------|--|-----|--|

**Table 10.7 : Export of Coal, Coke and Lignite by major Exporting Countries During 2019 & 2020 e**

(Qty. in MT)

| Country                      | 2019          |                               |                     |                |                            | 2020 e        |                               |                     |                |                            |
|------------------------------|---------------|-------------------------------|---------------------|----------------|----------------------------|---------------|-------------------------------|---------------------|----------------|----------------------------|
|                              | Coking Coal   | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat | Coking Coal   | Other Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat |
| (1)                          | (2)           | (3)                           | (4)                 | (5)            | (6)                        | (7)           | (8)                           | (9)                 | (10)           | (11)                       |
| New Zealand                  | 1067          | 41                            | 33                  |                |                            | 1348          | 92                            | 10                  |                |                            |
| <b>Australia and Oceania</b> | <b>178371</b> | <b>212731</b>                 | <b>33</b>           | <b>814</b>     | <b>0</b>                   | <b>184504</b> | <b>209870</b>                 | <b>10</b>           | <b>657</b>     | <b>0</b>                   |
| Botswana                     |               | 234                           |                     |                |                            |               | 304                           |                     |                |                            |
| Egypt                        |               |                               |                     |                |                            |               |                               |                     | 168            |                            |
| Mozambique                   | 3880          | 3407                          |                     |                |                            | 5897          | 5025                          |                     |                |                            |
| South Africa                 | 468           | 62728                         |                     |                |                            | 744           | 66775                         |                     |                |                            |
| Zimbabwe                     |               | 147                           |                     |                |                            |               | 115                           |                     | 118            |                            |
| Other Africa                 |               | 139                           |                     |                |                            |               | 139                           |                     |                |                            |
| <b>Africa</b>                | <b>4348</b>   | <b>66655</b>                  | <b>0</b>            | <b>0</b>       | <b>0</b>                   | <b>6641</b>   | <b>72358</b>                  | <b>0</b>            | <b>286</b>     | <b>0</b>                   |
| Japan                        |               | 3                             |                     | 3199           |                            |               | 4                             |                     | 1594           |                            |
| India                        | 2             | 1324                          |                     |                | 25                         | 2             | 1349                          |                     | 22             | 93                         |
| Indonesia                    | 5444          | 63971                         | 335638              |                |                            | 5800          | 73404                         | 382972              |                |                            |
| Lao PDR                      |               | 5                             |                     |                | 262                        |               | 14                            |                     |                | 577                        |
| Malaysia                     |               | 1                             |                     |                |                            |               | 212                           |                     |                |                            |
| Mongolia                     | 23767         | 4737                          |                     |                | 645                        | 23842         | 3654                          |                     |                | 645                        |
| Philippines                  |               |                               | 7963                |                |                            |               |                               | 10018               |                |                            |
| Chinese Taipei               |               | 1                             |                     | 117            |                            |               | 1                             |                     | 19             |                            |
| Thailand                     |               | 59                            |                     |                |                            |               | 59                            |                     |                |                            |
| Viet Nam                     |               | 909                           |                     |                |                            |               | 1143                          |                     | 0              |                            |
| People's Republic of China   | 874           | 1687                          |                     |                |                            | 1397          | 4597                          |                     | 6523           |                            |
| Kazakhstan                   | 1065          | 19738                         |                     |                | 3558                       | 1351          | 21264                         |                     | 34             | 2698                       |
| Kyrgyzstan                   |               | 366                           |                     |                | 230                        |               | 568                           |                     |                | 449                        |
| Tajikistan                   |               |                               |                     |                |                            |               | 18                            |                     |                |                            |
| Islamic Republic of Iran     |               | 118                           |                     |                |                            | 2             | 191                           |                     | 361            |                            |
| United Arab Emirates         |               |                               |                     |                |                            | 0             | 0                             |                     | 0              | 0                          |
| Other Asia                   |               | 162                           |                     |                |                            |               | 1117                          |                     | 67             |                            |
| <b>Asia</b>                  | <b>31152</b>  | <b>93080</b>                  | <b>343601</b>       | <b>3316</b>    | <b>4721</b>                | <b>32394</b>  | <b>107595</b>                 | <b>392989</b>       | <b>8620</b>    | <b>4462</b>                |
| <b>World Total</b>           | <b>313842</b> | <b>604781</b>                 | <b>347445</b>       | <b>18821</b>   | <b>18889</b>               | <b>334499</b> | <b>682740</b>                 | <b>398930</b>       | <b>25639</b>   | <b>17956</b>               |

Source: International Energy Agency (IEA).

Table 10.8 : Domestic Supply of Coal, Coke and Lignite by major Countries during 2019 &amp; 2020 e

(Qty. in MT)

| Country                        | 2019          |                             |                     |                |                            | 2020 e        |                             |                     |                |                            |
|--------------------------------|---------------|-----------------------------|---------------------|----------------|----------------------------|---------------|-----------------------------|---------------------|----------------|----------------------------|
|                                | Coking Coal   | Sub Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat | Coking Coal   | Sub Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat |
| (1)                            | (2)           | (3)                         | (4)                 | (5)            | (6)                        | (7)           | (8)                         | (9)                 | (10)           | (11)                       |
| Canada                         | 2948          | 3114                        | 13525               | 3802           | 8900                       | 2470          | 2822                        | 9038                | 3262           | 7085                       |
| Mexico                         | 3943          | 7561                        | 7286                | 2210           | 379                        | 4813          | 522                         | 5391                | 1820           | 280                        |
| United States                  | 16835         | 197221                      | 267842              | 10824          | 47222                      | 12542         | 161573                      | 215045              | 8882           | 44437                      |
| Others North America           |               | 3952                        |                     | 2              |                            |               | 4663                        |                     |                |                            |
| <b>North America</b>           | <b>23726</b>  | <b>211848</b>               | <b>288653</b>       | <b>16838</b>   | <b>56501</b>               | <b>19825</b>  | <b>169580</b>               | <b>229474</b>       | <b>13964</b>   | <b>51802</b>               |
| Chile                          | 546           | 14285                       |                     | 356            |                            | 509           | 10220                       | 70                  | 292            |                            |
| Colombia                       | 3476          | 5696                        |                     | 40             |                            | 2473          | 6037                        |                     | 37             |                            |
| Argentina                      | 722           | 329                         |                     | 810            |                            | 794           | 435                         |                     | 891            |                            |
| Plurinational State of Bolivia |               | 9                           |                     |                |                            |               | 9                           |                     |                |                            |
| Brazil                         | 10144         | 8460                        | 4071                | 10520          | 1622                       | 9289          | 6984                        | 3260                | 10030          | 2311                       |
| Others South America           |               | 1021                        |                     | 0              |                            |               | 1146                        |                     |                |                            |
| <b>South America</b>           | <b>14887</b>  | <b>29799</b>                | <b>4071</b>         | <b>11726</b>   | <b>1622</b>                | <b>13065</b>  | <b>24830</b>                | <b>3330</b>         | <b>11250</b>   | <b>2311</b>                |
| Austria                        | 1758          | 1368                        | 66                  | 2349           | 2                          | 1748          | 1108                        | 60                  | 1980           | 3                          |
| Belgium                        | 1624          | 1890                        | 92                  | 1487           |                            | 1481          | 1381                        | 86                  | 1162           |                            |
| Czech Republic                 | 3168          | 2361                        |                     | 1973           | 36193                      | 3060          | 2241                        |                     | 1963           | 29427                      |
| Denmark                        |               | 1525                        |                     | 10             |                            |               | 1237                        |                     | 12             |                            |
| Estonia                        |               | 50                          |                     |                |                            |               | 9                           |                     |                |                            |
| Finland                        | 1148          | 2150                        |                     | 910            |                            | 1046          | 1634                        |                     | 911            |                            |
| France                         | 4330          | 6010                        |                     | 3702           | 59                         | 3199          | 4492                        |                     | 2775           | 45                         |
| Germany                        | 11239         | 27313                       |                     | 8928           | 131451                     | 9812          | 21291                       |                     | 7637           | 107419                     |
| Greece                         |               | 311                         |                     |                | 26621                      |               | 266                         |                     |                | 13562                      |
| Hungary                        | 1244          | 138                         |                     | 662            | 6913                       | 1141          | 108                         |                     | 601            | 6229                       |
| Iceland                        |               | 150                         |                     | 11             |                            |               | 129                         |                     | 24             |                            |
| Ireland                        |               | 574                         |                     |                |                            |               | 622                         |                     |                |                            |
| Italy                          | 2313          | 8113                        |                     | 1981           | 1                          | 1669          | 6057                        |                     | 1607           | 1                          |
| Latvia                         |               | 67                          |                     | 0              |                            |               | 39                          |                     |                |                            |
| Lithuania                      |               | 261                         | 1                   | 17             |                            |               | 203                         | 0                   | 18             |                            |
| Luxembourg                     |               | 64                          |                     | 1              |                            |               | 65                          |                     | 0              |                            |
| Netherlands                    | 4254          | 5926                        |                     | 1934           | 10                         | 3920          | 2593                        |                     | 1712           | 16                         |
| Norway                         |               | 829                         |                     | 359            |                            |               | 867                         |                     | 356            |                            |
| Poland                         | 12406         | 56368                       |                     | 2713           | 50461                      | 11404         | 50950                       |                     | 1948           | 46041                      |
| Portugal                       |               | 2106                        |                     | 10             |                            |               | 949                         |                     | 8              |                            |
| Slovak Republic                | 2320          | 932                         |                     | 1457           | 1927                       | 1928          | 588                         |                     | 1232           | 1623                       |
| Slovenia                       |               | 11                          | 341                 | 30             | 3123                       |               | 12                          | 320                 | 22             | 3148                       |
| Spain                          | 860           | 6781                        | 729                 | 1166           |                            | 334           | 3521                        | 105                 | 1326           |                            |
| Sweden                         | 1508          | 911                         |                     | 1375           |                            | 1420          | 636                         |                     | 1190           |                            |
| Switzerland                    |               | 48                          |                     | 12             | 96                         |               | 35                          |                     | 13             | 102                        |
| Turkey                         | 6419          | 33869                       | 2188                | 4800           | 82883                      | 6602          | 34552                       | 2133                | 5124           | 69769                      |
| United Kingdom                 | 2871          | 5100                        |                     | 2319           |                            | 2686          | 4428                        |                     | 2267           |                            |
| Albania                        |               | 216                         |                     |                |                            |               | 265                         |                     |                |                            |
| Armenia                        | 0             | 4                           |                     |                | 0                          | 0             | 12                          |                     |                |                            |
| Belarus                        |               | 749                         |                     | 51             |                            |               | 743                         |                     | 38             |                            |
| Bosnia and Herzegovina         | 1351          |                             |                     | 472            | 12841                      | 1184          |                             |                     | 475            | 13191                      |
| Bulgaria                       |               | 958                         |                     | 62             | 27876                      |               | 865                         |                     | 63             | 22285                      |
| Croatia                        |               | 658                         |                     | 31             | 31                         |               | 566                         |                     | 29             | 18                         |
| Cyprus                         |               | 28                          |                     |                |                            |               | 22                          |                     |                |                            |
| Georgia                        |               | 245                         |                     | 133            | 4                          |               | 181                         |                     | 96             | 84                         |
| Kosovo                         |               | 1                           |                     | 0              | 8073                       |               | 1                           |                     | 0              | 8498                       |
| Republic of Moldova            | 1             | 162                         |                     |                |                            |               | 126                         |                     |                |                            |
| Montenegro                     |               |                             |                     |                | 1494                       |               |                             |                     |                | 1351                       |
| Republic of North Macedonia    |               | 84                          | 122                 | 1              | 5778                       |               | 8                           | 104                 | 1              | 5098                       |
| Romania                        | 2             | 163                         | 761                 | 769            | 21458                      | 1             | 142                         | 680                 | 693            | 15269                      |
| Russian Federation             | 73162         | 94027                       |                     | 43252          | 70434                      | 66896         | 94471                       |                     | 43269          | 61402                      |
| Serbia                         |               | 256                         |                     | 780            | 38648                      |               | 222                         |                     | 497            | 40111                      |
| Ukraine                        | 14002         | 29302                       | 935                 | 10884          |                            | c             | 20229                       | c                   | 9863           | c                          |
| <b>Europe</b>                  | <b>145981</b> | <b>292079</b>               | <b>5234</b>         | <b>94640</b>   | <b>526377</b>              | <b>119529</b> | <b>257866</b>               | <b>3489</b>         | <b>88910</b>   | <b>444692</b>              |

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Table 10.8 : Domestic Supply of Coal, Coke and Lignite by major Countries during 2019 &amp; 2020 e

(Qty. in MT)

| Country                      | 2019           |                             |                     |                |                            | 2020 e        |                             |                     |                |                            |
|------------------------------|----------------|-----------------------------|---------------------|----------------|----------------------------|---------------|-----------------------------|---------------------|----------------|----------------------------|
|                              | Coking Coal    | Sub Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat | Coking Coal   | Sub Bituminous & Anthracite | Sub Bituminous Coal | Coke Oven Coke | Lignite/ Brown Coal & Peat |
| (1)                          | (2)            | (3)                         | (4)                 | (5)            | (6)                        | (7)           | (8)                         | (9)                 | (10)           | (11)                       |
| Australia                    | 3893           | 28211                       | 26472               | 2111           | 43315                      | 4123          | 25511                       | 25934               | 2062           | 41513                      |
| New Zealand                  | 1              | 130                         | 2331                | 425            | 286                        | 1             | 102                         | 2618                | 407            | 298                        |
| <b>Australia and Oceania</b> | <b>3894</b>    | <b>28341</b>                | <b>28803</b>        | <b>2536</b>    | <b>43601</b>               | <b>4124</b>   | <b>25613</b>                | <b>28552</b>        | <b>2469</b>    | <b>41811</b>               |
| Algeria                      | 21             |                             |                     | 455            |                            | 35            |                             |                     |                |                            |
| Benin                        |                | 102                         |                     |                |                            |               | 110                         |                     |                |                            |
| Botswana                     |                | 1807                        |                     |                |                            |               | 1642                        |                     |                |                            |
| Egypt                        | 591            | 3922                        |                     | 328            |                            | 70            | 1705                        |                     |                |                            |
| Ethiopia                     |                | 455                         |                     |                |                            |               | 455                         |                     |                |                            |
| Kenya                        |                | 2454                        |                     |                |                            |               | 654                         |                     |                |                            |
| Mauritius                    |                | 664                         |                     |                |                            |               | 661                         |                     |                |                            |
| Morocco                      |                | 10099                       |                     |                |                            |               | 10136                       |                     |                |                            |
| Mozambique                   |                | 19                          |                     |                |                            |               | 19                          |                     |                |                            |
| Namibia                      |                | 25                          |                     |                |                            |               | 11                          |                     |                |                            |
| Niger                        |                |                             |                     |                | 226                        |               |                             |                     |                | 247                        |
| Nigeria                      |                | 55                          |                     |                |                            |               | 56                          |                     |                |                            |
| Senegal                      |                | 684                         |                     |                |                            |               | 507                         |                     |                |                            |
| South Africa                 | 3133           | 187960                      |                     | 1880           |                            | 1731          | 173953                      |                     |                |                            |
| United Republic of Tanzania  |                | 712                         |                     |                |                            |               | 712                         |                     |                |                            |
| Zambia                       |                | 996                         |                     |                |                            |               | 1104                        |                     |                |                            |
| Zimbabwe                     | 311            | 2601                        |                     | 127            |                            | 311           | 3201                        |                     |                |                            |
| Other Africa                 |                | 1508                        |                     |                |                            |               | 1291                        |                     |                |                            |
| <b>Africa</b>                | <b>4056</b>    | <b>214062</b>               | <b>0</b>            | <b>2790</b>    | <b>226</b>                 | <b>2147</b>   | <b>196217</b>               | <b>0</b>            | <b>0</b>       | <b>247</b>                 |
| Israel                       |                | 7963                        |                     |                |                            |               | 7436                        |                     |                |                            |
| Japan                        | 46513          | 141151                      |                     | 31769          |                            | 42288         | 141927                      |                     | 26909          |                            |
| Korea                        | 34683          | 92933                       | 9449                | 16484          |                            | 37455         | 83224                       | 8239                | 15612          |                            |
| Bangladesh                   |                | 7920                        |                     |                |                            |               | 12241                       |                     |                |                            |
| Brunei Darussalam            |                |                             |                     |                | 341                        |               |                             |                     |                | 300                        |
| Cambodia                     |                |                             | 2355                |                |                            |               |                             | 2282                |                |                            |
| Hong Kong (China)            |                | 9794                        |                     |                |                            |               | 5215                        |                     |                |                            |
| India                        | 104824         | 752631                      | 113482              | 43476          | 42242                      | 99248         | 738891                      | 93944               |                | 36362                      |
| Indonesia                    | 7391           | 10065                       | 128356              |                |                            | 8756          | 14374                       | 144301              |                |                            |
| DPR of Korea                 |                | 18438                       | 1791                | 112            |                            |               | 18941                       | 1791                |                |                            |
| Lao PDR                      |                | 148                         |                     |                | 14578                      |               | 135                         |                     |                | 14642                      |
| Malaysia                     |                | 35601                       |                     |                |                            |               | 34077                       |                     |                |                            |
| Mongolia                     | 68             | 3083                        |                     | 47             | 7005                       | 68            | 2929                        |                     |                | 6654                       |
| Myanmar                      |                | 879                         | 1326                |                | 785                        |               | 1062                        | 1326                |                | 789                        |
| Nepal                        |                | 1506                        |                     |                |                            |               | 1449                        |                     |                |                            |
| Pakistan                     |                | 20616                       |                     |                | 1124                       |               | 19557                       |                     |                | 1363                       |
| Philippines                  |                |                             | 33122               | 267            | 163                        |               |                             | 35204               |                | 148                        |
| Singapore                    |                | 743                         |                     |                |                            |               | 781                         |                     |                |                            |
| Sri Lanka                    |                | 2224                        |                     |                |                            |               | 2131                        |                     |                |                            |
| Chinese Taipei               | 6978           | 47547                       | 11485               | 6376           |                            | 6796          | 44263                       | 10613               | 5949           |                            |
| Thailand                     |                | 20228                       |                     | 69             | 14086                      |               | 22222                       |                     |                | 13523                      |
| Viet Nam                     | 5923           | 65664                       | 13005               | 5326           |                            | 6598          | 68018                       | 13799               |                |                            |
| People's Republic of China   | 625485         | 3315134                     |                     | 465337         |                            | 625351        | 3340881                     |                     |                |                            |
| Kazakhstan                   | 3120           | 72359                       |                     | 3742           | 3195                       | 2885          | 70766                       |                     |                | 1744                       |
| Kyrgyzstan                   |                | 736                         |                     |                | 1938                       |               | 673                         |                     |                | 1772                       |
| Tajikistan                   |                | 1965                        |                     |                | 74                         |               | 2053                        |                     |                | 77                         |
| Uzbekistan                   |                | 979                         |                     |                | 4720                       |               | 1314                        |                     |                | 4506                       |
| Islamic Republic of Iran     | 1371           | 121                         |                     | 1148           |                            | 1369          | 101                         |                     |                |                            |
| Jordan                       |                | 260                         |                     | 65             |                            |               | 118                         |                     |                |                            |
| Lebanon                      |                | 238                         |                     |                |                            |               | 268                         |                     |                |                            |
| Syrian Arab Republic         |                |                             |                     | 1              |                            |               |                             |                     |                |                            |
| United Arab Emirates         | 2217           | 453                         |                     | 5              | 0                          | 2330          | 518                         |                     |                |                            |
| Yemen                        |                | 134                         |                     |                |                            |               | 337                         |                     |                |                            |
| Other Asia                   |                | 2808                        |                     |                |                            |               | 3591                        |                     |                |                            |
| <b>Asia</b>                  | <b>838573</b>  | <b>4634321</b>              | <b>314371</b>       | <b>574223</b>  | <b>90250</b>               | <b>833145</b> | <b>4639494</b>              | <b>311499</b>       | <b>48471</b>   | <b>81879</b>               |
| <b>World Total</b>           | <b>1031116</b> | <b>5410450</b>              | <b>641130</b>       | <b>702754</b>  | <b>718577</b>              | <b>991835</b> | <b>5313600</b>              | <b>576344</b>       | <b>165064</b>  | <b>622742</b>              |

Source: International Energy Agency (IEA).



11

# Mine Statistics



# Section XI

## 11.1 Mine Statistics

**11.1.1** Mine statistics in terms of number and distribution of mines has been drawing attention of policy makers in the country. This section, therefore, deals with this aspect in detail. The information has been provided in tabular form in nine tables to describe Number of Mines, company-wise (Table 11.1), Number of Mines, State Wise (Table 11.2), Number of Mines, Sector Wise (Table 11.3), Number of Mines, Captive/Non Captive (Table 11.4), Number of Mines, Public/ Private, Captive/Non Captive (Table 11.5), Number of Working Coal Mines (Table 11.6), Number of working Lignite Mines (Table 11.7), Number of Mines - State Wise, Public/Private, Captive/Non Captive (Table 11.8), and Number of Lignite Mines, State Wise, Public/Private, Captive/Non Captive (Table 11.9) as on 31.03.2021.

**11.1.2** As on 31.03.21, the total number of operating coal mines was 442. The State Wise distribution of these coal mines is given in statement 11.1.

**Statement 11.1: State-wise Distribution of Coal Mines as on 31/03/2021**

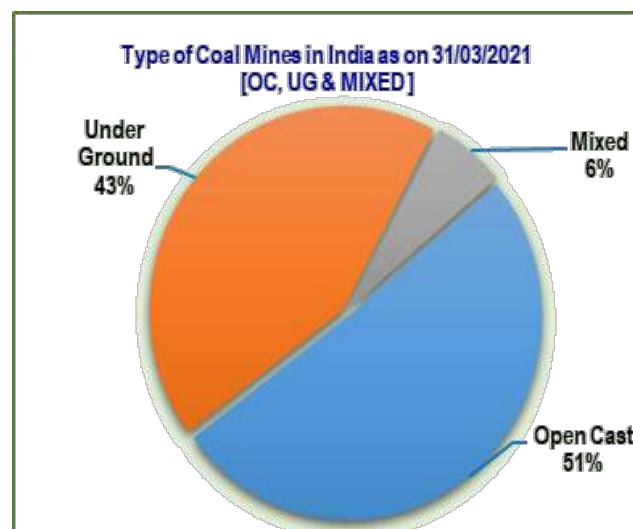
| State            | No. of Coal Mines |             |            |
|------------------|-------------------|-------------|------------|
|                  | Captive           | Non-Captive | Total      |
| Assam            |                   | 3           | 3          |
| Chhattisgarh     | 11                | 42          | 53         |
| J & K            | 0                 | 2           | 2          |
| Jharkhand        | 3                 | 110         | 113        |
| Madhya Pradesh   | 4                 | 57          | 61         |
| Maharashtra      | 2                 | 52          | 54         |
| Odisha           | 6                 | 25          | 31         |
| Uttar Pradesh    | 0                 | 5           | 5          |
| Telangana        | 1                 | 47          | 48         |
| West Bengal      | 6                 | 66          | 72         |
| <b>All India</b> | <b>33</b>         | <b>409</b>  | <b>442</b> |

**11.1.3** As on 31.03.2021, the total number of operating lignite mines was reported to be 20. The State Wise distribution of these lignite mines is given in statement 11.2.

**Statement 11.2: State-wise Distribution of Lignite Mines as on 31/03/2021**

| State            | No. of coal mines |             |           |
|------------------|-------------------|-------------|-----------|
|                  | Captive           | Non-Captive | Total     |
| Gujarat          | 11                | 0           | 11        |
| Rajasthan        | 5                 | 1           | 6         |
| Tamil Nadu       |                   | 3           | 3         |
| <b>All India</b> | <b>16</b>         | <b>4</b>    | <b>20</b> |

**11.1.4** Depending on the situation, mine operation can be open cast, underground or mixed one. In India, the distribution of operating coal mines under different mining system is highlighted through the following chart.



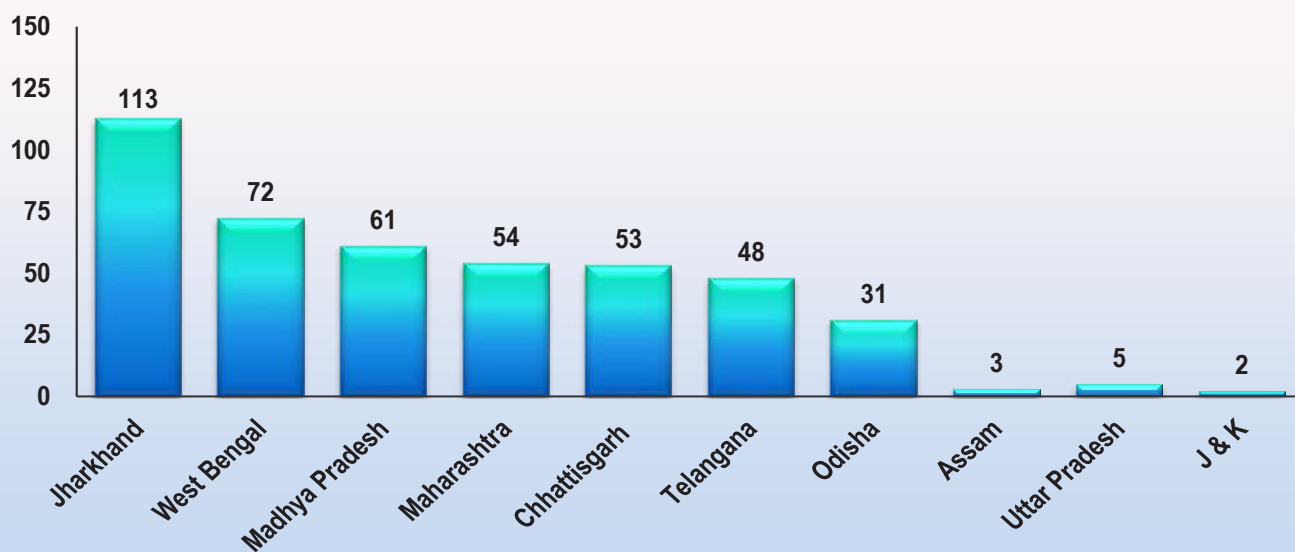
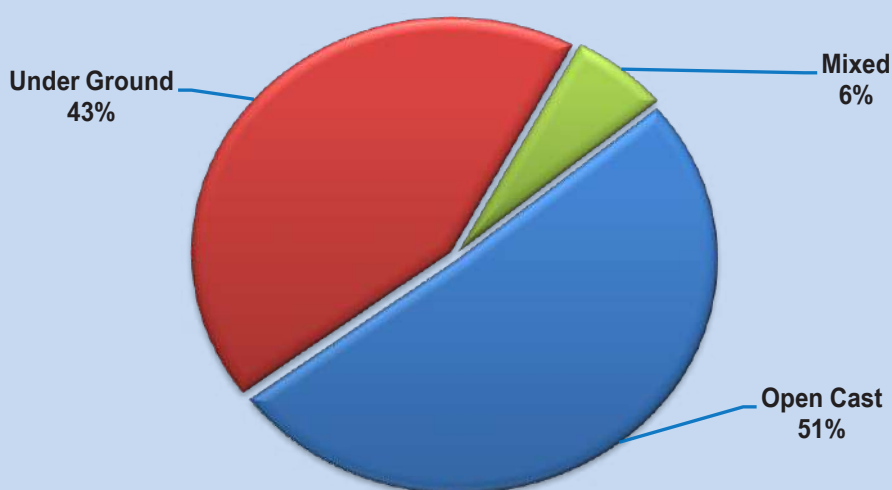
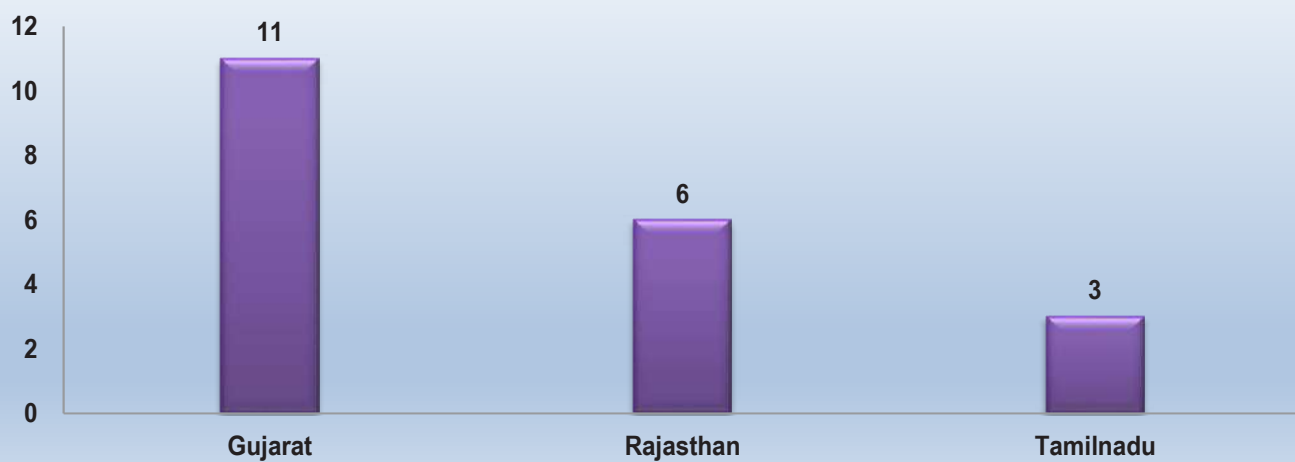
**Chart - I : Number of Coal Mines State Wise as on 31/03/2021****Chart-II : Share of OC, UG & Mixed Coal Mines in India as on 31/03/2021****Chart - III : No. of Lignite Mines as on 31/03/2021**

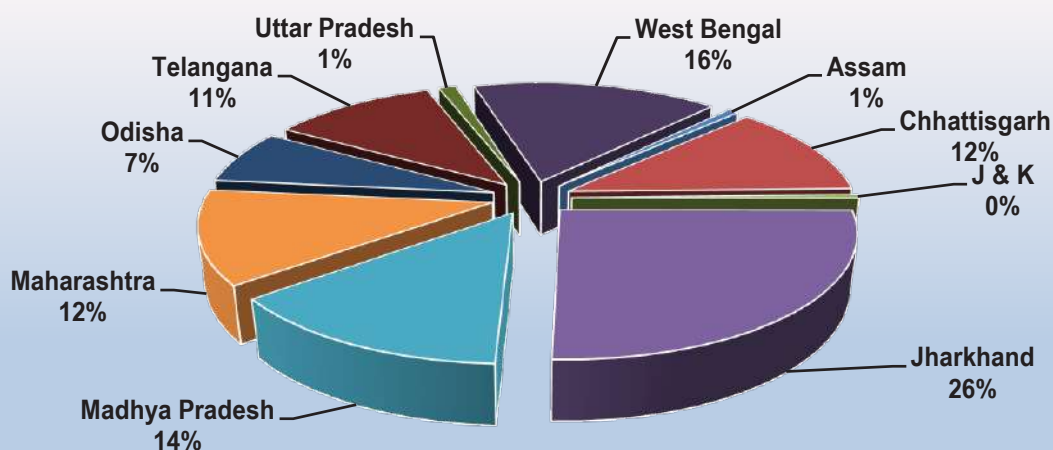
Table 11.1: Number of Coal &amp; Lignite Mines Company Wise as on 31/03/2021

| Coal / Lignite | Company         | Number of Mines |            |           |            |
|----------------|-----------------|-----------------|------------|-----------|------------|
|                |                 | OC              | UG         | Mixed     | Total      |
| (1)            | (2)             | (3)             | (4)        | (5)       | (6)        |
| Coal           | ECL             | 22              | 48         | 10        | 80         |
|                | BCCL            | 15              | 5          | 10        | 30         |
|                | CCL             | 41              | 11         | 0         | 52         |
|                | NCL             | 13              | 0          | 0         | 13         |
|                | WCL             | 43              | 30         | 2         | 75         |
|                | SECL            | 20              | 48         | 0         | 68         |
|                | SECL(GP-IV/2&3) | 2               | 0          | 0         | 2          |
|                | SECL(GP-IV/1)   | 1               | 0          | 0         | 1          |
|                | MCL             | 17              | 8          | 0         | 25         |
|                | NEC             | 2               | 1          | 0         | 3          |
|                | <b>CIL</b>      | <b>176</b>      | <b>151</b> | <b>22</b> | <b>349</b> |
|                | SCCL            | 18              | 29         | 0         | 47         |
|                | JKML            | 0               | 2          | 0         | 2          |
|                | JSMDC           | 1               | 0          | 0         | 1          |
|                | DVC             | 1               | 0          | 0         | 1          |
|                | IISCO           | 0               | 1          | 3         | 4          |
|                | SAIL            | 1               | 0          | 0         | 1          |
|                | RRVUNL          | 2               | 0          | 0         | 2          |
|                | NTPC            | 3               | 0          | 0         | 3          |
|                | WBPDC           | 4               | 0          | 0         | 4          |
|                | TSPGCL          | 1               | 0          | 0         | 1          |
|                | CSPGCL          | 1               | 0          | 0         | 1          |
|                | OCPL            | 1               | 0          | 0         | 1          |
|                | DPL             | 1               | 0          | 0         | 1          |
|                | NLCIL           | 2               | 0          | 0         | 2          |
|                | <b>PUBLIC</b>   | <b>212</b>      | <b>183</b> | <b>25</b> | <b>420</b> |
|                | TSL             | 3               | 4          | 1         | 8          |
|                | CESC            | 1               | 0          | 0         | 1          |
|                | HIL             | 1               | 1          | 1         | 3          |
|                | SPL             | 2               | 0          | 0         | 2          |
|                | GMR             | 1               | 0          | 0         | 1          |
|                | BALCO           | 1               | 0          | 0         | 1          |
|                | SIL             | 0               | 1          | 0         | 1          |
|                | JPVL            | 1               | 0          | 0         | 1          |
|                | RCCPL           | 0               | 1          | 0         | 1          |
|                | TUML            | 1               | 0          | 0         | 1          |
|                | OCL             | 1               | 0          | 0         | 1          |
|                | AMBUJA          | 1               | 0          | 0         | 1          |
|                | <b>PRIVATE</b>  | <b>13</b>       | <b>7</b>   | <b>2</b>  | <b>22</b>  |
|                | <b>Total</b>    | <b>225</b>      | <b>190</b> | <b>27</b> | <b>442</b> |
| Lignite        | NLCL            | 4               |            |           | 4          |
|                | GMDCL           | 6               |            |           | 6          |
|                | GIPCL           | 3               |            |           | 3          |
|                | GHCL            | 1               |            |           | 1          |
|                | GPCL            | 1               |            |           | 1          |
|                | RSMML           | 3               |            |           | 3          |
|                | VSLPPL          | 1               |            |           | 1          |
|                | BLMCL           | 1               |            |           | 1          |
|                | <b>Total</b>    | <b>20</b>       |            |           | <b>20</b>  |

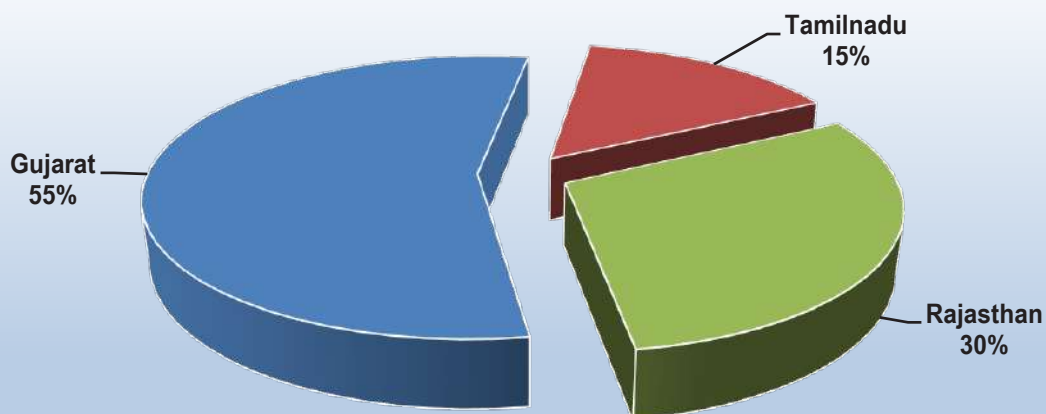
Table 11.2: Number of Coal &amp; Lignite Mines State Wise as on 31/03/2021

| Coal / Lignite | States            | Number of Mines |            |           |            |
|----------------|-------------------|-----------------|------------|-----------|------------|
|                |                   | OC              | UG         | Mixed     | Total      |
| (1)            | (2)               | (3)             | (4)        | (5)       | (6)        |
| Coal           | Arunachal Pradesh | 0               | 0          | 0         | 0          |
|                | Assam             | 2               | 1          | 0         | 3          |
|                | Chhattisgarh      | 24              | 28         | 1         | 53         |
|                | J & K             | 0               | 2          | 0         | 2          |
|                | Jharkhand         | 73              | 26         | 14        | 113        |
|                | Madhya Pradesh    | 22              | 37         | 2         | 61         |
|                | Maharashtra       | 38              | 16         | 0         | 54         |
|                | Odisha            | 23              | 8          | 0         | 31         |
|                | Telangana         | 19              | 29         | 0         | 48         |
|                | Uttar Pradesh     | 5               | 0          | 0         | 5          |
|                | West Bengal       | 19              | 43         | 10        | 72         |
|                | <b>All India</b>  | <b>225</b>      | <b>190</b> | <b>27</b> | <b>442</b> |
| Lignite        | Gujarat           | 11              |            |           | 11         |
|                | Tamilnadu         | 3               |            |           | 3          |
|                | Rajasthan         | 6               |            |           | 6          |
|                | <b>All India</b>  | <b>20</b>       |            |           | <b>20</b>  |

State Wise No. of Coal Mines as on 31/03/2021



State Wise No. of Lignite Mines as on 31/03/2021



**Table 11.3: Number of Mines Sector Wise as on 31/03/2021**

| Type    | Sector  | Number of Mines |     |       |       |
|---------|---------|-----------------|-----|-------|-------|
|         |         | OC              | UG  | Mixed | Total |
| (1)     | (2)     | (3)             | (4) | (5)   | (6)   |
| Coal    | Public  | 212             | 183 | 25    | 420   |
|         | Private | 13              | 7   | 2     | 22    |
| Total   |         | 225             | 190 | 27    | 442   |
| Lignite | Public  | 17              |     |       | 17    |
|         | Private | 3               |     |       | 3     |
| Total   |         | 20              |     |       | 20    |

**Table 11.4: Number of Mines Captive and Non Captive as on 31/03/2021**

| Type    | Sector      | Number of Mines |     |       |       |
|---------|-------------|-----------------|-----|-------|-------|
|         |             | OC              | UG  | Mixed | Total |
| -1      | (2)         | (3)             | (4) | (5)   | (6)   |
| Coal    | Captive     | 29              | 3   | 1     | 33    |
|         | Non Captive | 196             | 187 | 26    | 409   |
| Total   |             | 225             | 190 | 27    | 442   |
| Lignite | Captive     | 16              |     |       | 16    |
|         | Non Captive | 4               |     |       | 4     |
| Total   |             | 20              |     |       | 20    |

**Table 11.5: Number of Mines Public & Private and Captive & Non Captive as on 31/03/2021**

| Type    | Sector              | Number of Mines |     |       |       |
|---------|---------------------|-----------------|-----|-------|-------|
|         |                     | OC              | UG  | Mixed | Total |
| (1)     | (2)                 | (3)             | (4) | (5)   | (6)   |
| Coal    | Public Non-Captive  | 193             | 183 | 25    | 401   |
|         | Private Non-Captive | 3               | 4   | 1     | 8     |
|         | Public Captive      | 19              | 0   | 0     | 19    |
|         | Private Captive     | 10              | 3   | 1     | 14    |
| Total   |                     | 225             | 190 | 27    | 442   |
| Lignite | Public Captive      | 13              |     |       | 13    |
|         | Public Non-Captive  | 4               |     |       | 4     |
|         | Private Captive     | 3               |     |       | 3     |
|         | Private Non-Captive | 0               |     |       | 0     |
| Total   |                     | 20              |     |       | 20    |

**Table 11.6: Number of Working Coal Mines as on 31/03/2021**  
**(Including Non Producing but not Closed and Under Construction Mines)**

| Company         | Arunachal Pradesh |          |          | Assam    |          |          | Chhattisgarh |           |          |           | J & K    |          |          | Jharkhand |           |           |            | Madhya Pradesh |           |          |           |
|-----------------|-------------------|----------|----------|----------|----------|----------|--------------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|-----------|------------|----------------|-----------|----------|-----------|
|                 | OC                | UG       | Total    | OC       | UG       | Total    | OC           | UG        | Mixed    | Total     | OC       | UG       | Total    | OC        | UG        | Mixed     | Total      | OC             | UG        | Mixed    | Total     |
| (1)             | (2)               | (3)      | (4)      | (5)      | (6)      | (7)      | (8)          | (9)       | (10)     | (11)      | (12)     | (13)     | (14)     | (15)      | (16)      | (17)      | (18)       | (19)           | (20)      | (21)     | (22)      |
| ECL             |                   |          |          |          |          | 0        |              |           |          | 0         |          |          | 0        | 10        | 5         | 2         | 17         |                |           |          | 0         |
| BCCL            |                   |          |          |          |          | 0        |              |           |          | 0         |          |          | 0        | 14        | 5         | 10        | 29         |                |           |          | 0         |
| CCL             |                   |          |          |          |          | 0        |              |           |          | 0         |          |          | 0        | 41        | 11        |           | 52         |                |           |          | 0         |
| NCL             |                   |          |          |          |          | 0        |              |           |          | 0         |          |          | 0        |           |           |           | 0          | 8              |           |          | 8         |
| WCL             |                   |          |          |          |          | 0        |              |           |          | 0         |          |          | 0        |           |           |           | 0          | 6              | 15        | 2        | 23        |
| SECL            |                   |          |          |          |          | 0        | 15           | 27        | 0        | 42        |          |          | 0        |           |           |           | 0          | 5              | 21        |          | 26        |
| SECL(GP-IV/2&3) |                   |          |          |          |          | 0        | 2            |           |          | 2         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| SECL(GP-IV/1)   |                   |          |          |          |          | 0        | 1            |           |          | 1         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| MCL             |                   |          |          |          |          | 0        |              |           |          | 0         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| NEC             | 0                 |          | 0        | 2        | 1        | 3        |              |           |          | 0         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| <b>CIL</b>      | <b>0</b>          | <b>0</b> | <b>0</b> | <b>2</b> | <b>1</b> | <b>3</b> | <b>18</b>    | <b>27</b> | <b>0</b> | <b>45</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>65</b> | <b>21</b> | <b>12</b> | <b>98</b>  | <b>19</b>      | <b>36</b> | <b>2</b> | <b>57</b> |
| SCCL            |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| JKML            |                   |          | 0        |          |          | 0        |              |           |          | 0         |          | 2        | 2        |           |           |           | 0          |                |           |          | 0         |
| JSMDCL          |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        | 1         |           |           | 1          |                |           |          | 0         |
| DVC             |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        | 1         |           |           | 1          |                |           |          | 0         |
| IISCO           |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        |           | 1         | 1         | 2          |                |           |          | 0         |
| SAIL            |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        | 1         |           |           | 1          |                |           |          | 0         |
| RRVUNL          |                   |          | 0        |          |          | 0        | 2            |           |          | 2         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| NTPC            |                   |          | 0        |          |          | 0        | 1            |           |          | 1         |          |          | 0        | 1         |           |           | 1          |                |           |          | 0         |
| WBPDCCL         |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| TSPGCL          |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        |           | 0         | 0         | 0          |                |           |          | 0         |
| CSPGCL          |                   |          | 0        |          |          | 0        | 1            |           |          | 1         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| OCPL            |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| DPL             |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| NLCIL           |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| <b>PUBLIC</b>   | <b>0</b>          | <b>0</b> | <b>0</b> | <b>2</b> | <b>1</b> | <b>3</b> | <b>22</b>    | <b>27</b> | <b>0</b> | <b>49</b> | <b>0</b> | <b>2</b> | <b>2</b> | <b>69</b> | <b>22</b> | <b>13</b> | <b>104</b> | <b>19</b>      | <b>36</b> | <b>2</b> | <b>57</b> |
| TSL             |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        | 3         | 4         | 1         | 8          |                |           |          | 0         |
| CESC            |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        |           |           |           | 0          |                |           |          | 0         |
| HIL             |                   |          | 0        |          |          | 0        |              | 1         | 1        | 2         |          |          | 0        | 1         |           |           | 1          |                |           |          | 0         |
| SPL             |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        |           |           |           | 0          | 2              |           |          | 2         |
| GMR             |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        | 0         |           |           | 0          |                |           |          | 0         |
| BALCO           |                   |          | 0        |          |          | 0        | 1            |           |          | 1         |          |          | 0        | 0         |           |           | 0          |                |           |          | 0         |
| SIL             |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        | 0         |           |           | 0          |                |           |          | 0         |
| JPVL            |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        | 0         |           |           | 0          | 1              |           |          | 1         |
| RCCPL           |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        | 0         |           |           | 0          |                | 1         |          | 1         |
| TUML            |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        | 0         |           |           | 0          |                |           |          | 0         |
| OCL             |                   |          | 0        |          |          | 0        |              |           |          | 0         |          |          | 0        | 0         |           |           | 0          |                |           |          | 0         |
| AMBUJA          |                   |          | 0        |          |          | 0        | 1            |           |          | 1         |          |          | 0        | 0         |           |           | 0          |                |           |          | 0         |
| <b>PRIVATE</b>  | <b>0</b>          | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>2</b>     | <b>1</b>  | <b>1</b> | <b>4</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>4</b>  | <b>4</b>  | <b>1</b>  | <b>9</b>   | <b>3</b>       | <b>1</b>  | <b>0</b> | <b>4</b>  |
| <b>Total</b>    | <b>0</b>          | <b>0</b> | <b>0</b> | <b>2</b> | <b>1</b> | <b>3</b> | <b>24</b>    | <b>28</b> | <b>1</b> | <b>53</b> | <b>0</b> | <b>2</b> | <b>2</b> | <b>73</b> | <b>26</b> | <b>14</b> | <b>113</b> | <b>22</b>      | <b>37</b> | <b>2</b> | <b>61</b> |

Contd...

**Table 11.6: Number of Working Coal Mines as on 31/03/2021**  
**(Including Non Producing but not Closed and Under Construction Mines)**

| Company         | Maharashtra |           |          |           | Meghalaya |          | Odisha    |          |           | UP       |          | Telangana |           |           | West Bengal |           |           |           | All India  |            |           |            |
|-----------------|-------------|-----------|----------|-----------|-----------|----------|-----------|----------|-----------|----------|----------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|------------|------------|-----------|------------|
|                 | OC          | UG        | Mixed    | Total     | OC        | Total    | OC        | UG       | Total     | OC       | Total    | OC        | UG        | Total     | OC          | UG        | Mixed     | Total     | OC         | UG         | Mixed     | Total      |
| (23)            | (24)        | (25)      | (26)     | (27)      | (28)      | (29)     | (30)      | (31)     | (32)      | (33)     | (34)     | (35)      | (36)      | (37)      | (38)        | (39)      | (40)      | (41)      | (42)       | (43)       | (44)      | (45)       |
| ECL             |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         | 12          | 43        | 8         | 63        | 22         | 48         | 10        | 80         |
| BCCL            |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         | 1           |           |           | 1         | 15         | 5          | 10        | 30         |
| CCL             |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 41         | 11         | 0         | 52         |
| NCL             |             |           |          | 0         |           | 0        |           |          | 0         | 5        | 5        |           |           | 0         |             |           |           | 0         | 13         | 0          | 0         | 13         |
| WCL             | 37          | 15        |          | 52        |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 43         | 30         | 2         | 75         |
| SECL            |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 20         | 48         | 0         | 68         |
| SECL(GP-IV/2&3) |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 2          | 0          | 0         | 2          |
| SECL(GP-IV/1)   |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| MCL             |             |           |          | 0         |           | 0        | 17        | 8        | 25        |          | 0        |           |           | 0         |             |           |           | 0         | 17         | 8          | 0         | 25         |
| NEC             |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 2          | 1          | 0         | 3          |
| <b>CIL</b>      | <b>37</b>   | <b>15</b> | <b>0</b> | <b>52</b> | <b>0</b>  | <b>0</b> | <b>17</b> | <b>8</b> | <b>25</b> | <b>5</b> | <b>5</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>13</b>   | <b>43</b> | <b>8</b>  | <b>64</b> | <b>176</b> | <b>151</b> | <b>22</b> | <b>349</b> |
| SCCL            |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        | 18        | 29        | 47        |             |           |           | 0         | 18         | 29         | 0         | 47         |
| JKML            |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 0          | 2          | 0         | 2          |
| JSMDCL          |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| DVC             |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| IISCO           |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           | 2         | 2         | 0          | 1          | 3         | 4          |
| SAIL            |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| RRVUNL          |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 2          | 0          | 0         | 2          |
| NTPC            |             |           |          | 0         |           | 0        | 1         |          | 1         |          | 0        |           |           | 0         |             |           |           | 0         | 3          | 0          | 0         | 3          |
| WBPDCCL         |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         | 4           |           |           | 4         | 4          | 0          | 0         | 4          |
| TSPGCL          |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        | 1         |           | 1         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| CSPGCL          |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| OCPL            |             |           |          | 0         |           | 0        | 1         |          | 1         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| NLCIL           |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         | 1           |           |           | 1         | 1          | 0          | 0         | 1          |
| NLCIL           |             |           |          | 0         |           | 0        | 2         |          | 2         |          | 0        |           |           | 0         |             |           |           | 0         | 2          | 0          | 0         | 2          |
| <b>PUBLIC</b>   | <b>37</b>   | <b>15</b> | <b>0</b> | <b>52</b> | <b>0</b>  | <b>0</b> | <b>21</b> | <b>8</b> | <b>29</b> | <b>5</b> | <b>5</b> | <b>19</b> | <b>29</b> | <b>48</b> | <b>18</b>   | <b>43</b> | <b>10</b> | <b>71</b> | <b>212</b> | <b>183</b> | <b>25</b> | <b>420</b> |
| TSL             |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 3          | 4          | 1         | 8          |
| CESC            |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         | 1           |           |           | 1         | 1          | 0          | 0         | 1          |
| HIL             |             |           |          |           |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 1          | 1         | 3          |
| SPL             |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 2          | 0          | 0         | 2          |
| GMR             |             |           |          | 0         |           | 0        | 1         |          | 1         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| BALCO           |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| SIL             |             | 1         |          | 1         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 0          | 1          | 0         | 1          |
| JPVL            |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| RCCPL           |             |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 0          | 1          | 0         | 1          |
| TUML            | 1           |           |          | 1         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| OCL             |             |           |          | 0         |           | 0        | 1         |          | 1         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| AMBUJA          | 0           |           |          | 0         |           | 0        |           |          | 0         |          | 0        |           |           | 0         |             |           |           | 0         | 1          | 0          | 0         | 1          |
| <b>PRIVATE</b>  | <b>1</b>    | <b>1</b>  | <b>0</b> | <b>2</b>  | <b>0</b>  | <b>0</b> | <b>2</b>  | <b>0</b> | <b>2</b>  | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>1</b>    | <b>0</b>  | <b>0</b>  | <b>1</b>  | <b>13</b>  | <b>7</b>   | <b>2</b>  | <b>22</b>  |
| <b>Total</b>    | <b>38</b>   | <b>16</b> | <b>0</b> | <b>54</b> | <b>0</b>  | <b>0</b> | <b>23</b> | <b>8</b> | <b>31</b> | <b>5</b> | <b>5</b> | <b>19</b> | <b>29</b> | <b>48</b> | <b>19</b>   | <b>43</b> | <b>10</b> | <b>72</b> | <b>225</b> | <b>190</b> | <b>27</b> | <b>442</b> |

Table 11.7: Number of Working Lignite Mines as on 31/03/2021

| Company | Captive & Non Captive | Public & Private | Gujarat |     |       | Tamilnadu |     |       | Rajasthan |      |       | All India |      |       |
|---------|-----------------------|------------------|---------|-----|-------|-----------|-----|-------|-----------|------|-------|-----------|------|-------|
|         |                       |                  | OC      | UG  | Total | OC        | UG  | Total | OC        | UG   | Total | OC        | UG   | Total |
| (1)     | (2)                   | (3)              | (4)     | (5) | (6)   | (7)       | (8) | (9)   | (10)      | (11) | (12)  | (13)      | (14) | (15)  |
| NLCL    | Non Captive           | Public           |         |     | 0     | 3         |     | 3     | 1         |      | 1     | 4         | 0    | 4     |
| GMDCL   | Captive               | Public           | 6       |     | 6     |           |     | 0     |           |      | 0     | 6         | 0    | 6     |
| GIPCL   | Captive               | Public           | 3       |     | 3     |           |     | 0     |           |      | 0     | 3         | 0    | 3     |
| GHCL    | Captive               | Private          | 1       |     | 1     |           |     | 0     |           |      | 0     | 1         | 0    | 1     |
| GPCL    | Captive               | Private          | 1       |     | 1     |           |     | 0     |           |      | 0     | 1         | 0    | 1     |
| RSMML   | Captive               | Public           |         |     | 0     |           |     | 0     | 3         |      | 3     | 3         | 0    | 3     |
| VSLPPL  | Captive               | Private          |         |     | 0     |           |     | 0     | 1         |      | 1     | 1         | 0    | 1     |
| BLMCL   | Captive               | Public           |         |     | 0     |           |     | 0     | 1         |      | 1     | 1         | 0    | 1     |
| TOTAL   |                       |                  | 11      | 0   | 11    | 3         | 0   | 3     | 6         | 0    | 6     | 20        | 0    | 20    |

Company Wise No. of Working Lignite Mines as on 31/03/2021

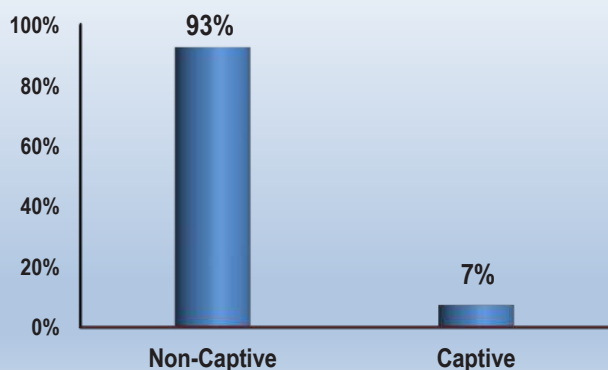
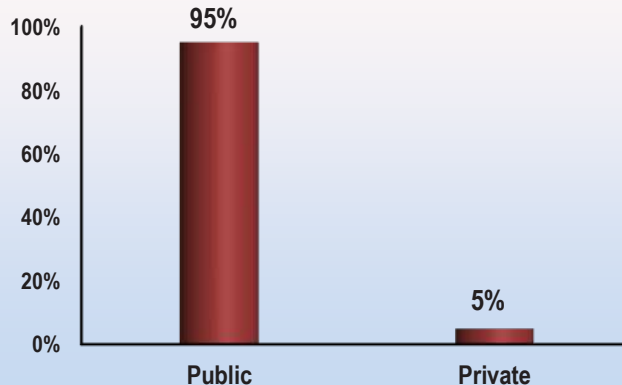
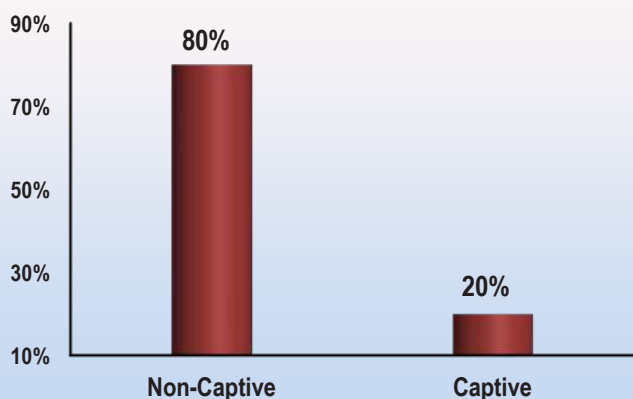
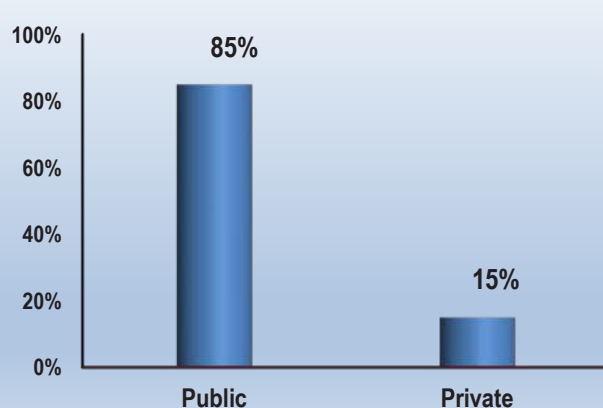


**Table 11.8: No. of Coal Mines Captive, Non-Captive, Public and Private as well as State Wise Breakup as on 31/03/2021**

| State             | Captive   | Non-Captive | Total      | Public     | Private   | Total      |
|-------------------|-----------|-------------|------------|------------|-----------|------------|
| (1)               | (2)       | (3)         | (4)        | (5)        | (6)       | (7)        |
| Arunachal Pradesh | 0         | 0           | 0          | 0          | 0         | 0          |
| Assam             | 0         | 3           | 3          | 3          | 0         | 3          |
| Chhattisgarh      | 11        | 42          | 53         | 49         | 4         | 53         |
| Jammu & Kashmir   | 0         | 2           | 2          | 2          | 0         | 2          |
| Jharkhand         | 3         | 110         | 113        | 104        | 9         | 113        |
| Madhya Pradesh    | 4         | 57          | 61         | 57         | 4         | 61         |
| Maharashtra       | 2         | 52          | 54         | 52         | 2         | 54         |
| Odisha            | 6         | 25          | 31         | 29         | 2         | 31         |
| Uttar Pradesh     | 0         | 5           | 5          | 5          | 0         | 5          |
| Telangana         | 1         | 47          | 48         | 48         | 0         | 48         |
| West Bengal       | 6         | 66          | 72         | 71         | 1         | 72         |
| <b>All India</b>  | <b>33</b> | <b>409</b>  | <b>442</b> | <b>420</b> | <b>22</b> | <b>442</b> |

**Table 11.9: No. of Lignite Mines Captive, Non-Captive, Public and Private as Well as State Wise Breakup as on 31/03/2021**

| State            | Captive   | Non-Captive | Total     | Public    | Private  | Total     |
|------------------|-----------|-------------|-----------|-----------|----------|-----------|
| (1)              | (2)       | (3)         | (4)       | (5)       | (6)      | (7)       |
| Gujarat          | 11        | 0           | 11        | 9         | 2        | 11        |
| Rajasthan        | 5         | 1           | 6         | 5         | 1        | 6         |
| Tamilnadu        |           | 3           | 3         | 3         |          | 3         |
| <b>All India</b> | <b>16</b> | <b>4</b>    | <b>20</b> | <b>17</b> | <b>3</b> | <b>20</b> |

**Share(%) of Coal Mines Non-Captive & Captive in 2020-21****Share(%) of Coal Mines Public & Private in 2020-21****Share(%) of Lignite Mines Non-Captive & Captive in 2020-21****Share(%) of Lignite Mines Public & Private in 2020-21**



12

## Appendix



**Annexure-I****ABBREVIATIONS**

| <b>COAL COMPANIES:</b>    |                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Column1</b>            | <b>Column3</b>                                                                                                              |
| ECL                       | Eastern Coalfields Limited (Coal India Ltd. Subsidiary) -Public - Non Captive                                               |
| BCCL                      | Bharat Coking Coal Limited (Coal India Ltd. Subsidiary) - Public - Non Captive                                              |
| CCL                       | Central Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive                                              |
| NCL                       | Northern Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive                                             |
| WCL                       | Western Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive                                              |
| SECL                      | South Eastern Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive                                        |
| SECL(GP-IV/1)             | Gare Palma IV/1 (This Coal Block is now under the Custody of SECL(Coal India Ltd. Subsidiary) - Public - Captive            |
| SECL(GP-IV/2&3)           | Gare Palma IV/2 & 3 (These two Coal Blocks are now under the Custody of SECL(Coal India Ltd. Subsidiary) - Public - Captive |
| MCL                       | Mahanadi Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive                                             |
| NEC                       | North Eastern Coalfields (Coal India Ltd. Subsidiary) - Public - Non Captive                                                |
| SCCL                      | Singareni Collieries Company Limited - Public - Non Captive                                                                 |
| JKML                      | Jammu & Kashmir Minerals Limited - Public - Non Captive                                                                     |
| JSMDC                     | Jharkhand State Mineral Development Corporation Limited - Public - Non Captive                                              |
| DVC                       | Damodar Valley Corporation - Public - Non Captive                                                                           |
| IISCO                     | Indian Iron & Steel Company Limited - Public - Non Captive                                                                  |
| SAIL                      | Steel Authority of India Limited - Public - Captive                                                                         |
| RRVUNL                    | Rajasthan Rajya Vidyut Unnayan Nigam Limited - Public - Captive                                                             |
| NTPC                      | National Thermal Power Corporation - Public - Captive                                                                       |
| WBPDC                     | West Bengal Power Development Corporation Ltd. - Public - Captive                                                           |
| TSPGCL                    | Telangana State Power Generation Corporation Ltd. - Private - Captive                                                       |
| CSPGCL                    | Chhattisgarh State Power Generation Corporation Limited                                                                     |
| OCPL                      | Odisha Coal & power Limited                                                                                                 |
| TSL(TISCO)                | Tata Steel Limited - Private - Non Captive                                                                                  |
| HIL                       | Hindalco Industries Limited - Private - Captive                                                                             |
| SIL                       | Sunflag Iron & Steel Company Limited - Private - Captive                                                                    |
| TUML                      | Topworth Urja and Minerals Limited - Private - Captive                                                                      |
| SPL                       | Sasan Power Limited - Private - Captive                                                                                     |
| CESC                      | CESC Limited - Private - Captive                                                                                            |
| GMR                       | GMR Chhattisgarh Energy Limited - Private - Captive                                                                         |
| BALCO                     | Bharat Aluminium Company Limited - Private - Captive                                                                        |
| JPVL                      | Jaiprakash Power Ventures Limited - Private - Captive                                                                       |
| RCCPL                     | Reliance Cement Company Private Limited - Private - Captive                                                                 |
| OCL                       | OCL Iron Steel Limited - Private - Captive                                                                                  |
| AMBUJA                    | Ambuja Cement Ltd. - Private - Captive                                                                                      |
| <b>LIGNITE COMPANIES:</b> |                                                                                                                             |
| <b>Column1</b>            | <b>Column3</b>                                                                                                              |
| NLC                       | Neyveli Lignite Corporation Limited - Public - Non Captive                                                                  |

**Annexure-I****ABBREVIATIONS**

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| GIPCL                 | Gujarat Industries Power Company Limited - Public - Captive        |
| GMDCL                 | Gujarat Mineral Development Corporation Limited - Public - Captive |
| GHCL                  | Gujarat Heavy Chemical Limited - Private - Captive                 |
| RSMML                 | Rajasthan State Mines and Mineral Limited - Public - Captive       |
| VSLPPL                | V. S Lignite Power Limited - Private - Captive                     |
| BLMCL                 | Barmer Lignite Mining Company Limited - Public - Captive           |
| <b>GENERAL TERMS:</b> |                                                                    |
| O.C.                  | OPEN CAST                                                          |
| U.G.                  | UNDER GROUND                                                       |
| OBR                   | Over Burden Removal                                                |
| MT                    | Million Tonnes                                                     |
| TT                    | Thousand Tonnes                                                    |





सत्यमेव जयते

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