सत्यमेव जयते

COAL DIRECTORY OF INDIA

2022-23

OFFICE OF THE COAL CONTROLLER

MINISTRY OF COAL

GOVERNMENT OF INDIA

COAL DIRECTORY OF INDIA
2022-23

Coal Statistics

GOVERNMENT OF INDIA
MINISTRY OF COAL
COAL CONTROLLER'S ORGANISATION
DELHI

COAL DIRECTORY OF INDIA
2022-23

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भारत सरकार
नई दिल्ली
MINISTER OF PARLIAMENTARY AFFAIRS,
COAL AND MINES
GOVERNMENT OF INDIA
NEW DELHI

Message

I commend the Coal Controller Organisation for bringing forth the Coal Directory of India 2022-23. In India, Coal is the predominant source of prime energy. India's energy demand is projected to grow at a rapid pace to fuel economic development, improved electricity access, manufacturing base and rural electrification programme.

With coal being the irreplaceable source for power generation in India, the government is making concerted efforts to enhance its sustainable production and meet its demand in the economy. Thus, to ensure that there is no shortage of coal in the country and the broader vision to make the country self-reliant in coal, a detailed repository of coal is imperative to understand the current status of production, dispatch levels and available stocks.

I believe that this publication will be of immense help to all the stakeholders.

(Pralhad Joshi)

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Raosaheb Patil Danve

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Azadi Ka Amrit Mahotsav

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रेल, कोयला एवं खान मंत्रालय
भारत सरकार
Minister of State of Railways,
Coal & Mines
Government of India

Message

As India continues to surge as one of the world's fastest-growing economies, our nation's escalating energy demand is undeniable. Positioned as the third-largest energy-consuming nation globally, India is poised to play a pivotal role in the unfolding dynamics of global energy growth, particularly with the spotlight on Asia's rising demand.

To offer a profound insight into India's coal and lignite sectors, the Office of the Coal Controller diligently produces the "Coal Directory of India 2022-23" on an annual basis. This publication stands as a testament to our commitment to transparency and informed decision-making, providing an updated and integrated database that offers an unbiased perspective on the developments and trends within India's coal industry. The wealth of data encapsulated in this publication spans reserves, exploration, production, dispatch, stock, value, imports and exports, and encompasses the performance of captive blocks and washeries. Furthermore, it affords a concise overview of the global coal sector.

I extend my heartfelt appreciation to the dedicated statistics team at the Office of the Coal Controller, whose relentless efforts were the bedrock in bringing this publication to fruition. I would like to specifically acknowledge the pivotal role of the Coal Controller's Organization for their commendable efforts in assimilating and collating the data, underscoring their invaluable contribution to this publication.

(Raosaheb Patil Danve)

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MESSAGE

It is with great pleasure that I present to you the Annual Coal Directory of India for the fiscal year 2022-23, a publication meticulously crafted by the Coal Controller's Organization. This comprehensive report delves into the intricate details of India's Coal and Lignite sectors, offering a reliable and up-to-date perspective on their status and performance.

The role of coal in India's energy landscape is undeniable, being a cornerstone and irreplaceable source of power. As we navigate the evolving dynamics of the energy sector, the importance of accurate and insightful information cannot be overstated. This directory, a result of thorough compilation and analysis, aims to fulfill the crucial need for reliable data that is essential for strategic planning and effective decision-making.

In acknowledgment of coal's pivotal position in India's energy sector, this annual statistical report is designed to cater to the diverse requirements of researchers, policymakers, and stakeholders. It encompasses vital information on coal resources, reserves, and the operational performance of washeries, providing a holistic understanding of the sector's nuances.

I extend my sincere appreciation to the dedicated team at the Coal Controller's Organization, led by Ms. Santosh, for their unwavering commitment in compiling and presenting this significant publication. I would also like to express gratitude to all stakeholders who have contributed invaluable data, enabling the creation of this comprehensive repository.

21.12.23

(Amrit Lal Meena)

Date: 21.12.2023

M. Nagaraju, IAS
Additional Secretary
&
Nominated Authority

सत्यमेव जयते

आज़ादी का अमृत महोत्सव

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Message

It is my distinct honor to present to you the Annual Coal Directory of India for the fiscal year 2022-23, a testament to the unwavering dedication of the Coal Controller's Organization. In the intricate tapestry of our nation's economy, coal stands as an indispensable and vital pillar, propelling growth and development. As compared to other renewable sources, coal accounts for half of our energy consumption, maintaining its position as the predominant fuel for power generation due to its unparalleled reliability when compared to other renewable sources.

In the pursuit of effective data analysis and informed decision-making, the availability of accurate and high-quality statistics pertaining to coal and lignite is paramount. The "Annual Coal Directory of India 2022-23" emerges as a standard, offering a comprehensive overview of the coal and lignite sector not only within the bounds of our country but also on a global scale.

I extend my sincere commendations to the remarkable team responsible for the compilation and publication of this document. The "Annual Coal Directory of India 2022-23" stands as a singular platform encapsulating vital data related to the coal and lignite sector up until 2022-23, providing the latest and most reliable statistics available. I am confident that this document will be an indispensable source of information for various stakeholders, policymakers, and researchers, empowering them with the knowledge necessary to make well-informed decisions and contribute in the development of coal and lignite industry.

22.12.23

(M. Nagaraju)

रूपिंदर बरार, भा.रा.से.
अपर सचिव
Rupinder Brar, IRS
Additional Secretary

सत्यमेव जयते

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MESSAGE

The Coal Industry is knit into the fabric of the Indian Economy. India needs both coal and RE to meet its growing power needs. Complementary growth of these two technologies is the need of the hour. As a matter of fact, although coal use is growing, India is on track to meet its commitments under the Paris Agreement. All environmental regulations and necessary measures to mitigate the impact of mining and associated activities are being followed in a phased manner.

The objective is to conserve the prime non-renewable energy fuel, Coal and simultaneously promote renewable sources of energy and this can be achieved only through strategic policy decisions. The **"Annual Coal Directory 2022-23",** contains information on the coal and lignite sector of India for the past few years as well.

I congratulate the team CCO for publication of this book. I hope that the readers will get a detailed overview and necessary insights from this comprehensive repository of information and will prove an asset for planning policy and research purposes.

New Delhi
28th December, 2023

(Rupinder Brar)

विस्मिता तेज, भा.रा.से.
अपर सचिव
Vismita Tej, IRS
Additional Secretary

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MESSAGE

It brings me immense pleasure to know about the much-anticipated release of the "Annual Coal Directory of India 2022-23". This Directory would be a significant document underscoring the critical role of coal in ensuring energy security of the nation. This Directory endeavours to provide insights into the progress and accomplishments of India's dynamic Coal and Lignite sector and would go a long way in laying the groundwork for informed decision-making and strategic planning.

The "Annual Coal Directory of India 2022-23" is a comprehensive repository offering detailed information on a spectrum of aspects, including reserves, production, performance of captive blocks and washeries, dispatches, imports, exports, and the noteworthy achievements in these domains.

I extend my heartfelt thanks to the dedicated team at the Coal Controller's Organization for their tireless efforts in compiling and presenting this essential publication. Wishing this publication, a resounding success.

Vismita Tej 22/12/23

(Vismita Tej)
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MINISTRY OF COAL

The Coal Industry is knit into the fabric of the Indian Economy. India needs both coal and renewable energy to meet its growing power demand. Complementary growth of these two technologies is the need of the hour. As a matter of fact, although coal use is growing, India is on track to meet its commitments under the Paris Agreement. All environmental regulations and necessary measures to mitigate the impact of mining and associated activities are being followed in a phased manner.

The objective is to conserve the prime non-renewable energy fuel, Coal and simultaneously promote renewable sources of energy and this can be achieved only through strategic policy decisions. The "Coal Directory of India 2022-23" is a comprehensive repository that provides detailed information on various aspects, including reserves, production, performance of captive blocks and washeries, dispatches, imports, exports, and notable accomplishments in these areas.

I congratulate the team CCO for publication of this book. I hope that the this informative resource serves as a guide, offering valuable insights into the achievements of India's dynamic Coal and Lignite sector, providing a solid foundation for informed decision-making and strategic planning.

Santosh

(Santosh)

New Delhi
January, 2024

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Foreword

I am pleased to announce the release of the ***"Coal Directory of India 2022-23"*** a significant publication that serves as a guiding resource for the dynamic landscape of the Coal and Lignite sector. This directory underscores the pivotal role of coal in ensuring energy security and contributing to the growth of our nation.

Coal, a cornerstone in our energy landscape, satisfies nearly three-fourths of the nation's electricity demand. In this era of increased focus on clean coal energy, access to information on affordable and reliable coal supplies is imperative for the energy industry and policymakers.

The ***"Coal Directory of India 2022-23"*** stands as a comprehensive repository, providing detailed insights into coal and lignite production, distribution, sectoral dispatches, and other key aspects. This publication caters to a diverse audience, including central ministries, the coal industry, the power sector, research institutions, and academia. This report is released annually, aligning with our responsibilities of data collection and dissemination under the Collection of Statistics Act, 2008, and the subsequent Collection of Statistics (Amendment) Act, 2017.

I express my sincere appreciation and gratitude to the dedicated team at the Coal Controller's Organization for their tireless efforts in compiling and presenting this essential publication. Furthermore, I extend sincere gratitude to the managing directors of public sector undertakings and private organizations for their collaboration and timely provision of data. Special thanks to Honorable Minister Shri Prahalad Joshi, Secretary (MoC), and all senior officers for their invaluable guidance and support. Congratulations are also in order for all the officers and staff of the Office of the Coal Controller for their exceptional contributions to this publication.

As we unveil this comprehensive directory, we wholeheartedly welcome suggestions for enhancing its content and presentation. Your feedback is crucial in our collective efforts to ensure the provision of accurate and valuable information to all stakeholders.

Here's to a brighter future fueled by the insights within the ***"Coal Directory of India 2022-23"***

New Delhi

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Coal Controller

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01. 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 head qquarter 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.

As on 31.03.2023, the number of coal blocks that exists are 141 (vested/ allotted - 109 + Custodian – 04 + Under MMDR act – 24 + Blocks not cancelled - 4).

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 2021-22 the coal import prices have seen a historical rise of 97.19%. However, the quantity of coal imported has declined by 3.0%. In 2022-23 the import of coal was 237.668 MT.

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 carbonaisation 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:

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 2022-23, the total production of raw coal in India was 893.191 MT whereas it was 778.210 MT in 2022-23. Thus in 2022-23, production of coal increased by 14.78 % in comparison to 2021-22. In the year 2022-23 production of lignite was 44.029 MT against 47.492 MT in 2021-22, thus in 2022-23 lignite production decreased by 7.29% against 2021-22. [Ref: Table 3.1]

The contribution of Public Sector and Private Sector in the production of Raw Coal in 2022-23 was as follows: [Ref: Table 3.11]

Production of Raw Coal in 2022-23 (MT)			
Sector	Coking	Non-Coking	Total Coal
Public	54.990	798.872	**853.862**
Private	5.769	33.560	**39.329**
All India	**60.759**	**832.432**	**893.191**

The production of coking coal in 2022-23 was 60.759 MT whereas it was 51.702 MT in 2021-22, thus registering a positive growth of 17.52%. In 2022-23, the production of non-coking coal was 832.432 MT whereas it was 726.508 MT in 2021-22, showcasing a positive growth of 14.58%. [Ref Table: 3.2].

In 2022-23, the production of washed coal (coking) was 5.310 MT whereas in 2021-22, the quantity was 4.701 MT which increased by 12.95% when compared with the previous year. In 2022-23, production of middling (coking) was 3.770 MT whereas in 2021-22, the quantity was 2.442 MT, hence, an increase of 54.35% was observed. [Ref Table: 3.3]

In 2022-23, Odisha registered the highest coal production of 218.981 MT (24.52%), followed by Chhattisgarh 184.895 MT (20.70%), Jharkhand 156.483 MT (17.52%) and Madhya Pradesh 146.029 MT (16.35%). In 2022-23, Tamil Nadu was the largest producer of lignite and produced 21.519 MT (48.87%) followed by Gujarat 12.313 MT (27.97%) and Rajasthan 10.197 MT (23.16%). [Ref Table: 3.9 & 3.10]

Coal India Limited produced 703.204 MT (78.73%) and SCCL 67.137 MT (7.52%) of coal in 2022-23. In that year, the main producer of lignite was Neyveli Lignite Corporation that produced 23.530 MT (52.88%). [Ref Table: 3.11 & 3.14a]

Like previous years, in 2022-23, Jharkhand produced the maximum coking coal in India, MT which was 99.44% of total coking coal production (60.759 MT). Odisha was the highest non-coking coal producing state, producing 218.981 MT (26.31%) of the total non-coking production of 832.431 MT, followed by Chhattisgarh which produced 184.648 MT (22.18%) and Madhya Pradesh 145.935 MT (17.53%). [Ref Table: 3.13]

In 2022-23, around 96.10% of coal production in India was from Open Cast mines (858.343 MT) and the rest 3.90% was from Underground mines (34.848 MT). [Ref Table: 3.19]. MCL produced the highest quantity of coal from Open Cast mines, 192.821 MT (22.46%) followed by SECL which produced 155.364 MT (18.10%). SECL produced the highest quantity of coal from Underground mines, 11.642 MT (33.41%) followed by ECL which produced 8.968 MT (25.73%). [Ref Table: 3.20]

Overall stripping ratio [stripping ratio is defined as the ratio of overburden removal to coal produced in open cast mining] for the year 2022-23 was 2.84. The stripping ratio for CIL mines was 2.40, for SCCL mines was 6.84 and for total public companies was 2.79 whereas it was 3.91 for private companies. [Ref Table 3.22]

Productivity (OMS) of Overall in year 2022-23 was 13.10 Tonnes for CIL and 5.31 Tonnes for SCCL. OMS for Open Cast mines was 22.99 Tonnes for CIL and 13.94 Tonnes for SCCL. OMS for Underground mines of CIL was 1.05 Tonnes and for SCCL was 1.27 Tonnes. (OMS is the output measured in tonnes per unit of man-shift) [Ref Table: 3.23].

2. Despatch

In the year 2022-23, despatch of indigenous raw coal was 877.369 MT against 819.213 MT in 2021-22, thus showing a increase of 7.10%. In 2022-23, despatch of lignite was 46.822 MT against 49.074 MT in 2021-22, thus showing a negative growth of 4.59%. [Ref Table: 4.1]

The contribution of Public Sector and Private Sector in the despatch of raw coal in 2022-23 was as follows: [Ref Table: 4.9]

Despatch of Raw Coal in 2022-23 (MT)			
Sector	**Coking**	**Non-coking**	**Total Coal**
Public	53.642	785.361	**839.003**
Private	5.771	32.595	**38.366**
All India	**59.413**	**817.956**	**877.369**

Despatch of coking coal increased to 59.413 MT in 2022-23 from 54.403 MT in 2021-22, thus, showing a positive growth of 9.21% over 2021-22. [Ref: Table 4.2].

In 2022-23, despatch of non-coking coal 817.956 MT whereas it was 764.810 MT in 2021-22, thus showing a positive growth of 6.95% over 2021-22. [Ref Table: 4.2]

In 2022-23, despatch of washed coal (coking) was 5.277 MT against 4.795 MT in 2021-22, thus increasing by 10.05%. In 2022-23, despatch of middling (coking) was 3.860 MT against 2.869 MT in 2021-22, thus increasing by 34.53%. [Ref Table: 4.3]

In 2022-23, major quantity of coal was despatched from Odisha 218.023 MT (24.85%) followed by Chhattisgarh 176.136 MT (20.08%), Jharkhand 150.691 MT (17.18%), Madhya Pradesh 121.328 MT (13.83%), Telangana 69.193 MT (7.89%) and Maharashtra 61.320 MT (6.99%). [Ref Table: 4.7]

In case of lignite despatch, Tamil Nadu had the highest share of 24.166 MT (51.61%) followed by Gujarat 12.301 MT (26.27%) and Rajasthan 10.355 MT (22.12%) in 2022-23. [Ref Table: 4.8]

Out of the total despatch of raw coal in 2022-23, despatch of CIL was 694.544 MT (79.16%) and SCCL 66.693 MT (7.60%). Among the other PSUs maximum coal was despatched by NTPC 21.818 MT (2.49%). Despatch of coal from private sector was 38.366 MT (4.37%) in which SPL had the largest share of 16.394 MT followed by TSL 5.771 MT. [Ref Table: 4.9]

Power Sector (Utility and Captive) continued to be the largest user of coal In 2022-23, coal despatched to power sector was 785.396 MT compared to 710.049 MT in 2021-22. Coal despatched to steel sector was 13.382 MT in 2022-23 and 9.159 MT in 2021-22. Coal despatched to Sponge Iron sector was 8.093 MT in 2022-23 compared to 9.023 MT in 2021-22. Coal despatched to cement sector was 9.309 MT in 2022-23 compared to 7.306 MT in 2021-22. [Ref Table: 4.19]

3. Pit Head Closing Stock

Pit-head closing stock of raw coal at the end of 2022-23 was 84.416 MT against 68.901 MT in 2021-22. Closing Stock of lignite at the end of 2022-23 was 1.556 MT whereas it was 3.389 MT at the end of 2021-22. [Ref Table: 5.1]. Out of total closing stock at the end of 2022-23, share of public sector was 81.971 MT (97.10%). [Ref Table: 5.7]

At the end of 2022-23, Pit-head closing stock of coking coal was 5.810 MT against 4.465 MT at the end of 2021-22 MT and pit-head closing stock of non-coking coal was 78.606 MT against 64.436 at the end of 2021-22. [Ref Table: 5.2].

4. Import and Export

In 2022-23, total import of coal was 237.668 MT compared to 208.627 MT in 2021-22, thus showing an increase of 13.92%. In 2022-23, import of coking coal was 56.053 MT compared to 57.123 MT in 2021-22, showing a decrease of 1.87%. Import of non-coking coal was 181.615 MT in 2022-23 compared to 151.504 MT in 2021-22, depicting a increase of 19.87%. [Ref Table: 8.1]

In 2022-23, coal was mainly imported from countries such as Indonesia (109.828 MT), Australia (47.498 MT), Russia (21.342 MT), South Africa (17.445 MT), U.S.A (13.692 MT) and Singapore (10.074 MT). [Ref Table: 8.3]

In 2022-23, coal was mainly imported through ports such as Paradip Sea (19.893 MT), Dhamra Chandbali (19.233 MT), Krishnapatnam (18.618 MT), Gangavaram port (18.017 MT), Visakhapatnam Sea (17.748 MT), Kolkata Sea (16.174 MT), Kandla Sea (14.514 MT), Mundra (12.862 MT), Jaigad (10.664 MT) and Marmagoa Sea (9.813 MT) among others. [Ref Table: 8.5]

In 2022-23, export of coal was 1.166 MT compared to 1.316 MT in 2021-22. Coal was mainly exported to Nepal (0.836 MT) and Bangladesh (0.245 MT). [Ref Table: 8.4]

5. Captive, Commercial & Other Coal and Lignite Blocks

In 2022-23, the production of raw coal from captive coal block (includes power and non-regulated sectors as end users) was 107.510 MT, the commercial coal block had contributed 11.221 MT (Including GP IV/2&3) in raw coal production, whereas the other coal blocks in India had produced 6.170 MT. [Ref Table: 3.7]

In 2022-23, Despatch of coal from captive coal blocks was 101.415 MT, the Commercial Coal Blocks had contributed 10.866 MT (Including GP IV/2&3) in raw coal despatch whereas the others coal blocks in India had despatch 6.177 MT. [Ref Table: 4.6]

As on 31.03.2023, the number of coal blocks that exist is 141 (vested/ allotted - 109 + Custodian – 04 + Under MMDR act – 24 + Blocks not cancelled - 4).

The number of lignite blocks that stands allocated as on 31.03.2023, is 25.

6. Geological Coal Reserve

As per Geological Survey of India, geological reserve of coal in India as on 01.04.2023 was 3,78,207 Million Tonnes. The type wise break up of coal reveals that reserve of coking coal (prime, medium and semi-coking) was 35,643 Million Tonnes and non-coking coal was 3,42,564 Million Tonnes. [Ref Table: 2.1]

Total coal extracted since 1950 up to 2022-23 was around ***1,89,68,298*** 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 (Qty. in MT)				Despatch (Qty. in MT)			
		Coking Coal	Non Coking Coal	Total Coal	Lignite	Coking Coal	Non Coking Coal	Total Coal	Lignite
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%
2021-22	Provisional	51.702	726.488	**778.190**	47.490	54.402	764.595	**818.997**	49.073
	Actual	51.702	726.508	**778.210**	47.492	54.403	764.810	**819.213**	49.074
	Change(A-P)	0.000%	0.003%	**0.003%**	0.004%	0.002%	0.028%	**0.026%**	0.002%
2022-23	Provisional	60.760	832.430	**893.190**	44.990	59.413	817.956	**877.369**	46.822
	Actual	60.759	832.432	**893.191**	44.029	59.413	817.956	**877.369**	46.822
	Change(A-P)	0.00%	0.00%	0.00%	-2.14%	0.00%	0.00%	0.00%	0.00%

N.B: P=Provisional and A=Actual

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

Sl. No.	Item	Unit	2018-19	2019-20	2020-21	2021-22	2022-23
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	**Reserves (Proved)**						
	(i) Coking Coal	Million Tonnes	20062.740	20062.740	20169.030	20873.000	22161.750
	(ii) Non Coking		135551.670	143398.100	157009.910	166232.390	177742.060
	(iii) Lignite		6787.530	6787.530	7374.100	7505.590	7511.520
2	**Opening Stock**						
	(i) Coal	Million Tonnes	62.036	57.640	81.432	109.060	68.901
	(ii) Lignite		7.210	5.672	5.495	4.981	3.389
3	**Production :**						
	(i) Coal	Million Tonnes	728.718	730.874	716.083	778.210	893.191
	(ii) Lignite		44.283	42.096	37.895	47.492	44.029
	(iii) Coal Products*		42.617	42.579	40.475	26.543	27.467
4	**Despatch :**						
	(i) Coal	Million Tonnes	732.794	707.176	690.884	819.213	877.369
	(ii) Lignite		45.810	42.267	38.492	49.074	46.822
	(iii) Coal Products*		40.566	42.224	40.259	27.193	27.200
5	**Closing Stock**						
	(i) Coal	Million Tonnes	57.640	81.432	109.060	69.901	84.416
	(ii) Lignite		5.672	5.495	4.981	3.389	1.556
6	**Imports**						
	(a) Quantity: Coal	Million Tonnes	235.348	248.537	215.251	208.627	237.668
	Coal Products		4.585	4.931	2.457	2.506	3.632
	Lignite		0.019	0.054	0.019	0.011	0.023
	Total (a)		**239.952**	**253.522**	**217.727**	**211.144**	**241.322**
	(b) Value: Coal	Million Rupees	1709204.90	1527320.55	1160240.54	2287841.24	3835843.76
	Coal Products		91524.74	120644.85	44688.59	81031.26	135750.18
	Lignite		403.43	1074.46	409.24	378.12	987.40
	Total (a)		**1801133.07**	**1649039.87**	**1205338.37**	**2369250.62**	**3972581.35**
7	**Exports**						
	(a) Quantity: Coal	Million Tonnes	1.306	1.030	2.945	1.316	1.166
	Coal Products		0.025	0.022	0.025	0.503	0.034
	Lignite		0.079	0.093	0.187	0.814	0.333
	Total (a)		**1.410**	**1.144**	**3.158**	**2.633**	**1.534**
	(b) Value: Coal	Million Rupees	9499.86	5832.07	5736.03	11232.01	15001.45
	Coal Products		228.09	224.42	311.91	16148.01	702.81
	Lignite		2233.03	2480.98	4778.60	25916.73	**14955.62**
	Total (b)		**11960.98**	**8537.47**	**10826.55**	**53296.75**	**30659.88**
8	Unit Value of Coal Imports (gr.)	Rs./Tonne	7262.46	6145.25	5390.17	10966.19	16139.51
9	India's Total Exports	Million Rupees	23077262	22198542	29159577	31470215	36215499
10	India's Total Imports	Million Rupees	35946746	33609545	21590432	45727746	57498013
11	(i) Coal imports as percentage of India's total import	%	5.01%	4.91%	5.58%	5.18%	6.91%
	(ii) Coal exports as percentage of India's total export	%	0.05%	0.04%	0.04%	0.17%	0.08%

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

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

Table-1.2: Total Primary Supply (TPS) of Coal & Lignite : 2013-14 to 2022-23

(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)
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
	Total	**610.036**	**166.858**	**2.190**	**164.668**	**64.542**	**57.374**	**7.168**	**781.872**
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
	Total	**657.449**	**217.784**	**1.241**	**216.543**	**57.374**	**62.565**	**-5.191**	**868.801**
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
	Total	**683.072**	**203.950**	**1.576**	**202.375**	**62.565**	**70.170**	**-7.605**	**877.842**
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
	Total	**703.098**	**190.972**	**1.778**	**189.194**	**68.537**	**83.772**	**-15.235**	**877.057**
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
	Total	**722.044**	**208.259**	**1.508**	**206.751**	**82.835**	**69.246**	**13.589**	**942.384**
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
	Total	**773.001**	**235.367**	**1.385**	**233.982**	**69.246**	**63.312**	**5.934**	**1012.917**
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
	Total	**772.970**	**248.591**	**1.122**	**247.468**	**63.312**	**86.927**	**-23.615**	**996.823**
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
	Total	**753.978**	**215.270**	**3.133**	**212.137**	**86.927**	**114.041**	**-27.114**	**939.001**
2021-22	Coal	778.210	208.627	1.316	207.311	109.060	68.901	40.159	1025.680
	Lignite	47.492	0.011	0.814	-0.803	4.981	3.389	1.592	48.281
	Total	**825.702**	**208.638**	**2.129**	**206.509**	**114.041**	**72.290**	**41.751**	**1073.962**
2022-23	Coal	893.191	237.668	1.166	236.502	68.901	84.416	-15.515	1114.178
	Lignite	44.029	0.023	0.333	-0.310	3.389	1.556	1.833	45.552
	Total	**937.220**	**237.691**	**1.499**	**236.192**	**72.290**	**85.972**	**-13.682**	**1159.730**

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

02. RESOURCE & 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 forlocating 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 developmentincluding the coal quality.

2.4 Coal Resources

Detailed data on Coal resources, as on 1stApril 2023, 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 ason 1stApril 2023, in situ geological resources of coal in India up to a depth of 1200 meters are 378207.28 million Tonnes (MT) which includes proved, indicated and inferred resources.

Out of the total geological resources in the country, 378207.28 million Tonnes (MT) are shared by seven states, Odisha 94518.59 (24.99%), Jharkhand 87838.10 MT (23.22%), Chhattisgarh 80773.87 MT (21.36%), West Bengal 33933.28 MT (8.97%), Madhya Pradesh 32218.53 MT (8.52%), Telangana 23186.42 MT (6.13%) and Maharashtra 13336.00 MT (3.53%).

2.4.2 Out of the total resource of 378207.28 MT as on 1st April, 2023, the share of proved, indicated and inferred resources are 199903.90 MT (52.86%), 151682.06 MT (40.10%) and 26621.32 MT (7.04%) respectively.

2.4.3 Of the total resources, the share of Prime Coking is 5318.29 MT (1.41%), Medium Coking 28527.12 MT (7.54%), and Blendable/Semi Coking 1797.48 MT (0.48%). Share of Non-coking Coal (Including High Sulphur) is 342564.39 MT (90.57%).

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 1st April 2023 are 47368.54 MT which include proved, indicated and inferred resources. Out of the total lignite resources, almost all i.e. 46904.87 MT are shared majorly by the states of Tamil Nadu 37596.58 (79.37%), Rajasthan 6586.24 (13.90%) and Gujarat 2722.05 (5.75%).

2.5.2 Information regarding Promotional drilling and detailed Drilling achievements during the IXth, Xth, XIth, XIIth, XIIIth and XIVth 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.

Exploration Stage: Regional (Funded by Ministry of Mines)	
Exploration Agencies	
1.	Geological Survey of India
2.	State Directorates of Geology & Mining
Exploration Stage: Regional (Promotional funded by Ministry of Coal)	
Exploration Agencies	
1.	Geological Survey of India
2.	Mineral Exploration Corporation Ltd.
3.	Central Mine Planning and Design Institute Ltd.
Exploration Stage: Detailed	
Exploration Agencies	
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.
Exploration Stage: Developmental	
Exploration Agencies	
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.

Chart II.I : Share of Top Ten Field Wise Inventory of Geological Resource of Coal in India as on 01/04/2023

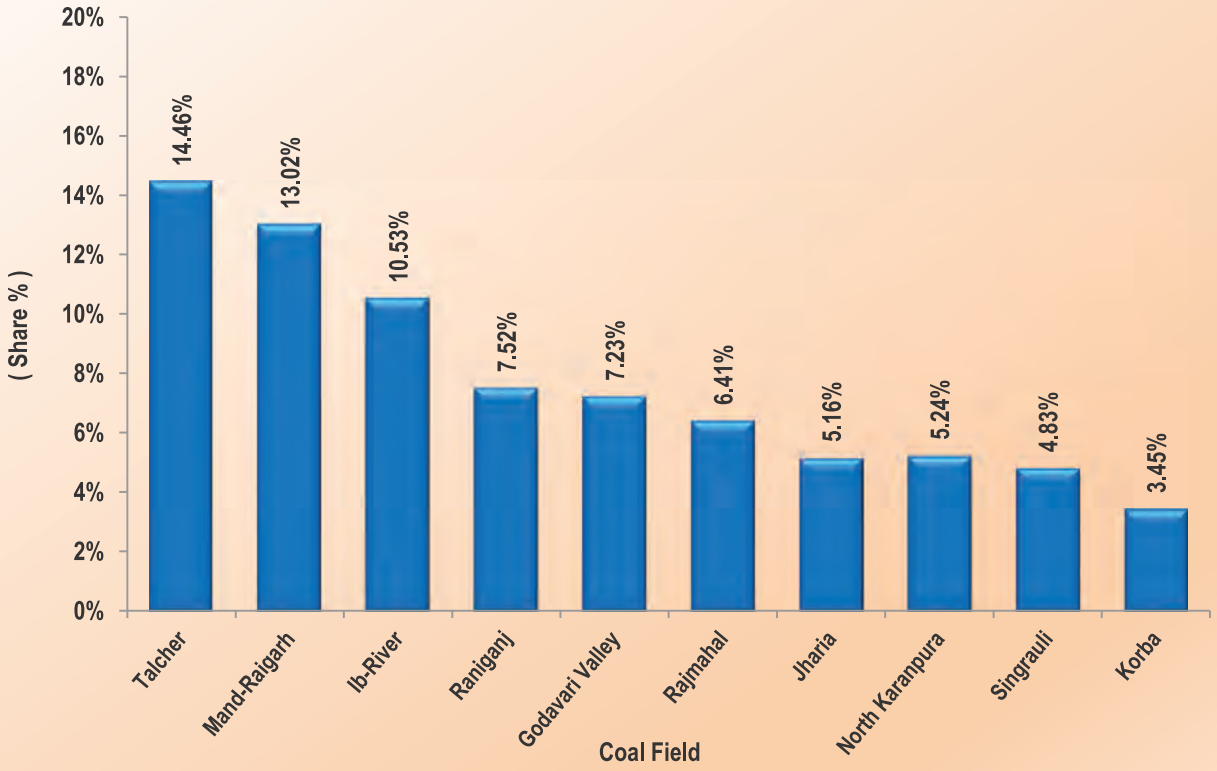


Chart II.II : Share of Grade Wise Inventory of Geological Resource of Non Coking Coal in Gondwana Coal Field as on 01/04/2023

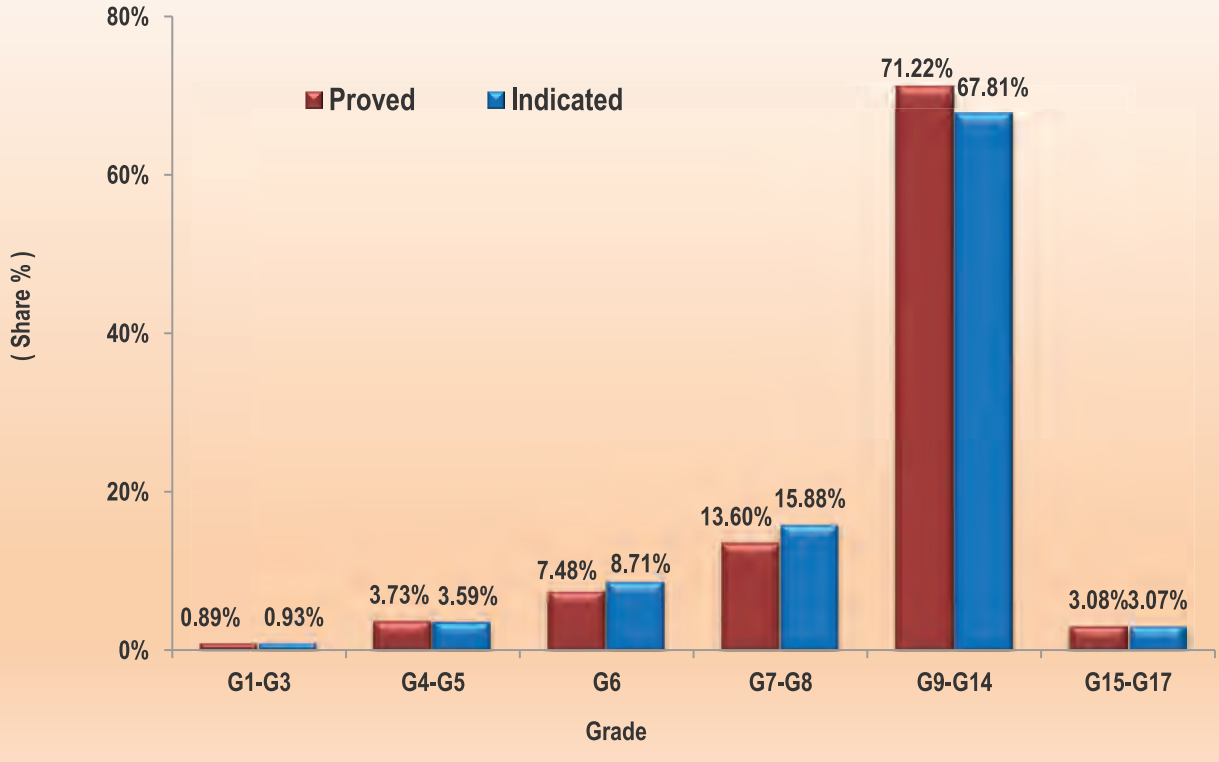


Chart II.III : Share of State Wise Inventory of Geological Resource of Coal in Gondwana Coal Fields of India as on 01/04/2023

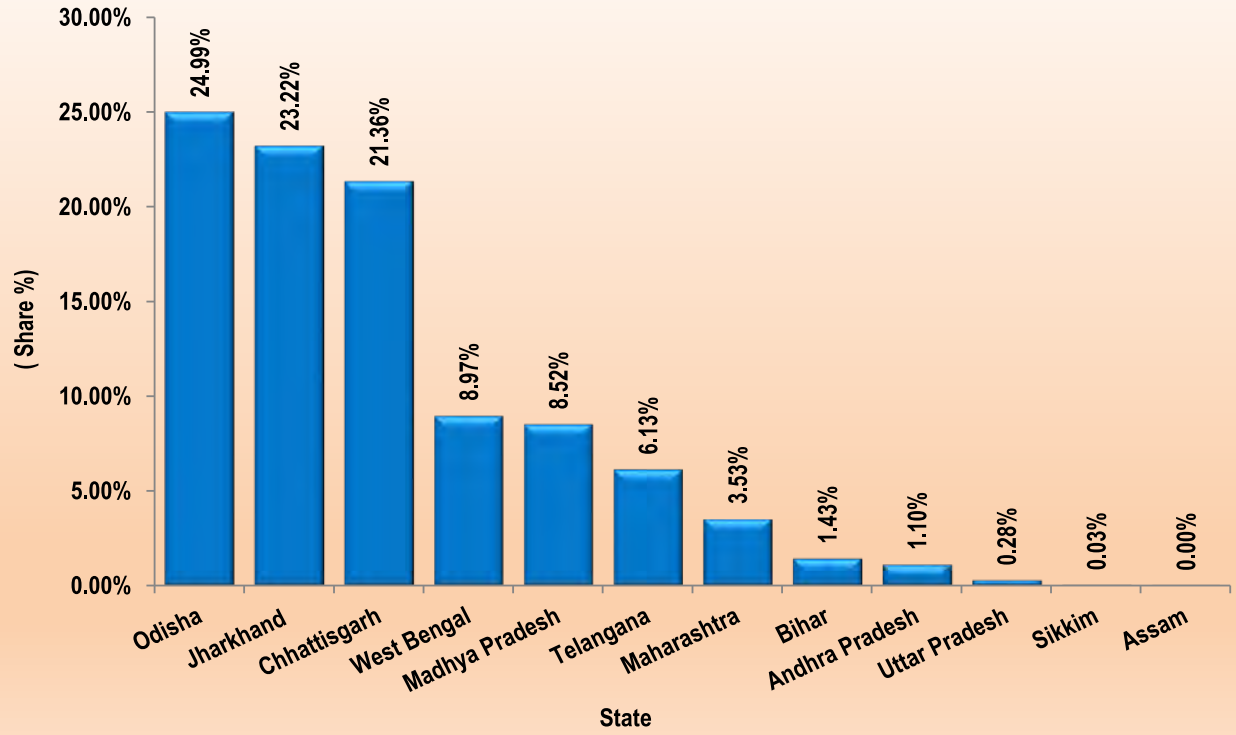


Chart II.IV : Share of State Wise Inventory of Geological Resource of Coal in Tertiary Coal Fields of India as on 01/04/2023

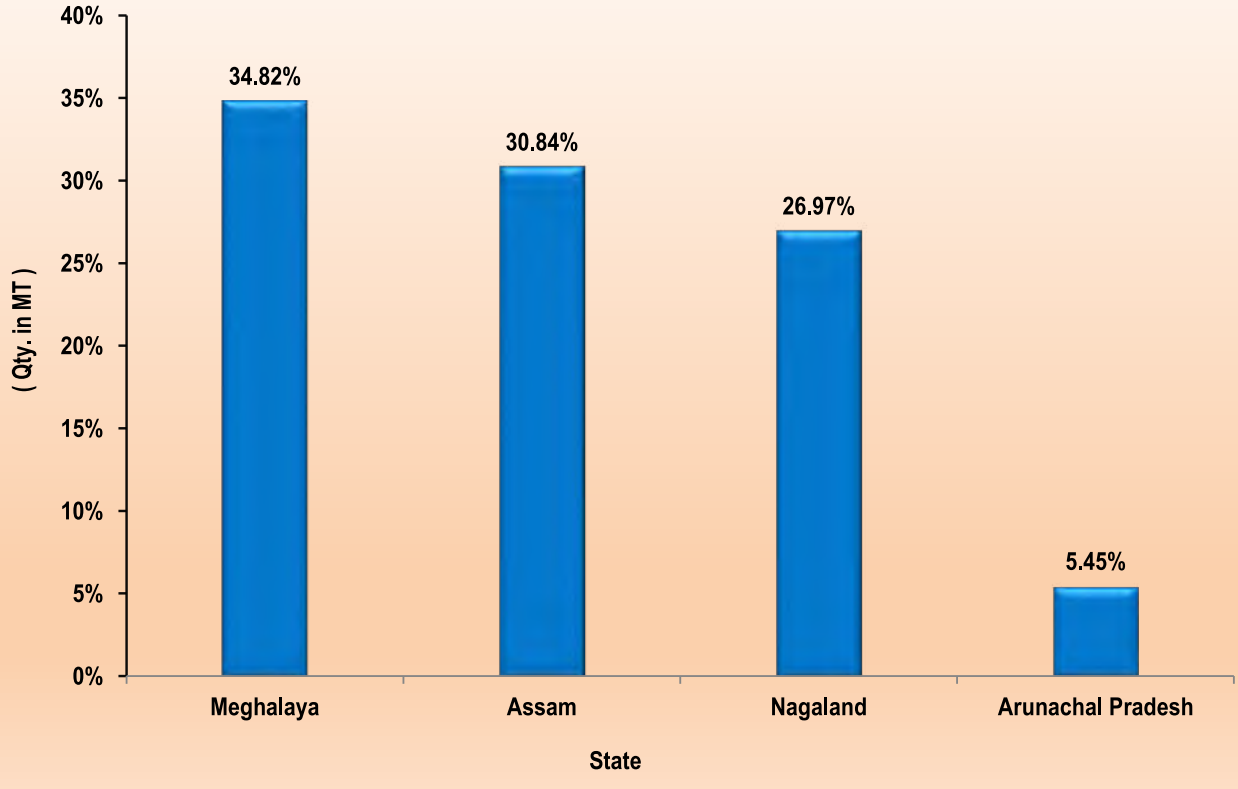
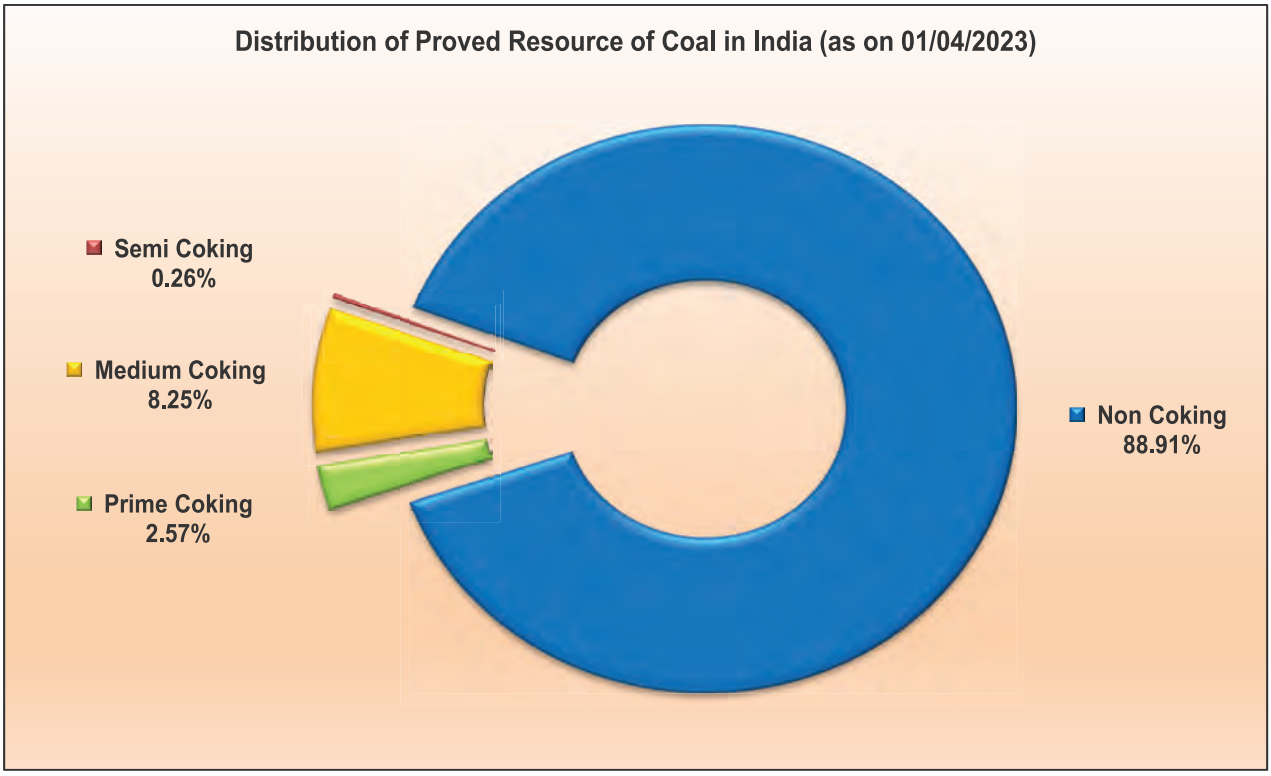


Table 2.1 : Inventory of Geological Resource of Coal by Type (as on 1st April) during last Three Years

(Qty. in MT)

Type of Coal	As on	Resource			
		Proved	Indicated	Inferred	*Total*
(1)	(2)	(3)	(4)	(5)	*(6)*
Prime Coking	01/04/2021	4668	645	0	***5313***
	01/04/2022	4673	645	0	***5318***
	01/04/2023	5133	186	0	***5318***
Medium Coking	01/04/2021	14972	11245	1863	***28080***
	01/04/2022	15670	10648	1761	***28081***
	01/04/2023	16500	10266	1761	***28527***
Blendable / Semi Coking	01/04/2021	530	992	186	***1708***
	01/04/2022	530	992	186	***1708***
	01/04/2023	530	1081	186	***1797***
Non Coking (Including High Sulphur)	01/04/2021	157010	134067	25949	***317026***
	01/04/2022	166232	134967	25106	***326306***
	01/04/2023	177742	140149	24674	***342564***
Total	***01/04/2021***	***177179***	***146949***	***27998***	***352126***
	01/04/2022	***187105***	***147252***	***27054***	***361412***
	01/04/2023	***199904***	***151682***	***26621***	***378207***

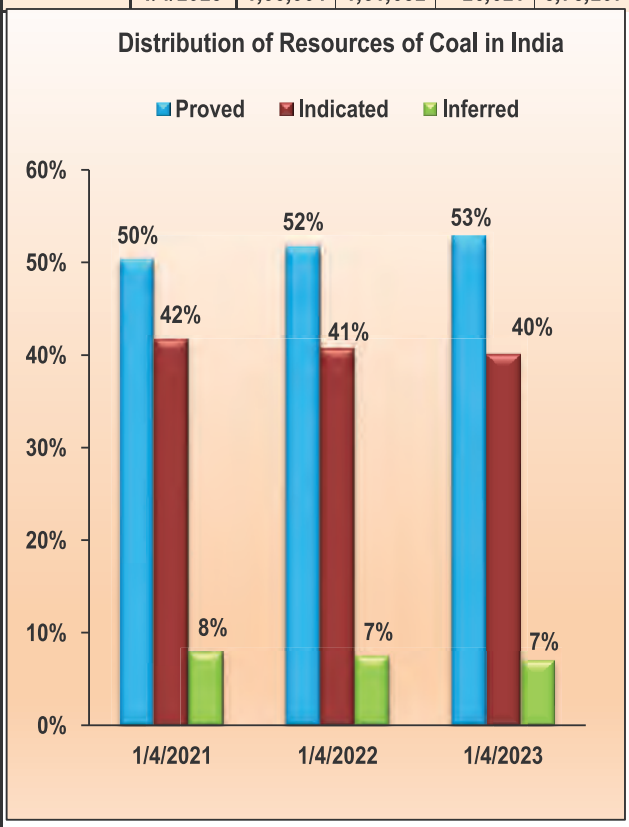


Source: Geological Survey of India

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

(Qty. in MT)

State	As on	Resources				State	As on	Resources			
		Proved	Indicated	Inferred	*Total*			Proved	Indicated	Inferred	*Total*
(1)	(2)	(3)	(4)	(5)	(6)	(1)	(2)	(3)	(4)	(5)	(6)
Gondawana Coalfields						**Tertiary Coalfields**					
Assam	1/4/2021	0	14	0	***14***	Arunachal Pradesh	1/4/2021	31	40	19	***90***
	1/4/2022	0	14	0	***14***		1/4/2022	31	40	19	***90***
	1/4/2023	0	14	0	***14***		1/4/2023	31	40	19	***90***
Andhra Pradesh	1/4/2021	921	901	425	***2,247***	Assam	1/4/2021	465	43	3	***511***
	1/4/2022	921	2,443	778	***4,142***		1/4/2022	465	43	3	***511***
	1/4/2023	1,025	2,369	778	***4,172***		1/4/2023	465	43	3	***511***
Jharkhand	1/4/2021	52,046	28,882	5,288	***86,217***	Meghalaya	1/4/2021	89	17	471	***576***
	1/4/2022	53,245	28,260	5,155	***86,660***		1/4/2022	89	17	471	***576***
	1/4/2023	55,749	26,994	5,095	***87,838***		1/4/2023	89	17	471	***576***
Bihar	1/4/2021	310	3,143	11	***3,464***	Nagaland	1/4/2021	9	22	416	***446***
	1/4/2022	310	4,080	48	***4,437***		1/4/2022	9	22	448	***478***
	1/4/2023	310	5,040	48	***5,398***		1/4/2023	9	22	448	***478***
Madhya Pradesh	1/4/2021	13,479	13,060	3,678	***30,217***	***Total Tertiary***	**1/4/2021**	**594**	**121**	**909**	***1,624***
	1/4/2022	14,052	12,723	4,142	***30,917***		**1/4/2022**	**594**	**121**	**941**	***1,656***
	1/4/2023	15,279	12,457	4,482	***32,219***		**1/4/2023**	**594**	**121**	**941**	***1,656***
Chhattisgarh	1/4/2021	31,562	40,425	1,437	***73,424***	***All India***	***1/4/2021***	***1,77,179***	***1,46,949***	***27,998***	***3,52,126***
	1/4/2022	32,053	40,701	1,437	***74,192***		***1/4/2022***	***1,87,105***	***1,47,252***	***27,054***	***3,61,411***
	1/4/2023	37,236	42,294	1,244	***80,774***		***1/4/2023***	***1,99,904***	***1,51,682***	***26,621***	***3,78,207***
Maharashtra	1/4/2021	7,770	3,320	1,847	***12,936***						
	1/4/2022	7,984	3,390	1,847	***13,221***						
	1/4/2023	8,065	3,425	1,847	***13,336***						
Odisha	1/4/2021	43,326	35,222	6,330	***84,878***						
	1/4/2022	48,573	34,080	5,452	***88,105***						
	1/4/2023	52,046	37,536	4,936	***94,519***						
Sikkim	1/4/2021	0	58	43	***101***						
	1/4/2022	0	58	43	***101***						
	1/4/2023	0	58	43	***101***						
Uttar Pradesh	1/4/2021	884	178	0	***1,062***						
	1/4/2022	884	178	0	***1,062***						
	1/4/2023	884	178	0	***1,062***						
Telangana	1/4/2021	11,089	8,328	3,433	***22,851***						
	1/4/2022	11,257	8,344	3,433	***23,034***						
	1/4/2023	11,257	8,497	3,433	***23,186***						
West Bengal	1/4/2021	15,199	13,296	4,597	***33,092***						
	1/4/2022	17,234	12,859	3,779	***33,871***						
	1/4/2023	17,459	12,699	3,775	***33,933***						
Total Gondwana	***1/4/2021***	***1,76,585***	***1,46,827***	***27,089***	***3,50,502***						
	1/4/2022	***1,86,512***	***1,47,131***	***26,113***	***3,59,756***						
	1/4/2023	***1,99,310***	***1,51,561***	***25,681***	***3,76,552***						



Source: Geological Survey of India

Table 2.3 : Field Wise Inventory of Geological Resource of Coal in India (as on 1st April 2023)

(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	202.89	0.00	0.00	**202.89**
		Medium Coking	300-600	72.66	0.00	0.00	**72.66**
		Medium Coking	600-1200	274.87	0.00	0.00	**274.87**
		Semi Coking	0-300	46.31	13.63	0.00	**59.94**
		Semi Coking	300-600	130.19	110.84	5.19	**246.22**
		Semi Coking	600-1200	59.07	295.85	127.69	**482.61**
		Non Coking	0-300	10440.58	1405.91	169.60	**12016.09**
		Non Coking	300-600	4370.30	3008.92	1172.55	**8551.77**
		Non Coking	600-1200	1443.97	1684.34	1383.75	**4512.06**
		Total		***17040.84***	***6519.49***	***2858.78***	***26419.11***
	Barjora	Non Coking	0-300	200.79	0.00	0.00	**200.79**
	Birbhum	Non Coking	0-300	153.84	791.63	123.53	**1069.00**
		Non Coking	300-600	63.87	4190.32	603.76	**4857.95**
		Non Coking	600-1200	0.00	1197.38	174.05	**1371.43**
		Total		***217.71***	***6179.33***	***901.34***	***7298.38***
	Darjeeling	Non Coking	0-300	0.00	0.00	15.00	**15.00**
West Bengal	***Total***	***Medium Coking***	***0-1200***	***550.42***	***0.00***	***0.00***	***550.42***
West Bengal	***Total***	***Semi Coking***	***0-1200***	***235.57***	***420.32***	***132.88***	***788.77***
West Bengal	***Total***	***Non Coking***	***0-1200***	***16673.35***	***12278.50***	***3642.24***	***32594.09***
West Bengal	***Total***	***All***	***0-1200***	***17459.34***	***12698.82***	***3775.12***	***33933.28***
Jharkhand	Raniganj	Prime Coking	0-300	2.21	0.00	0.00	***2.21***
		Prime Coking	300-600	0.34	0.00	0.00	***0.34***
		Medium Coking	0-300	222.61	6.26	0.00	**228.87**
		Medium Coking	300-600	50.04	7.49	0.00	**57.53**
		Semi Coking	0-300	51.40	0.00	0.00	**51.40**
		Semi Coking	300-600	0.00	40.00	0.00	**40.00**
		Non Coking	0-300	1148.34	82.06	0.00	**1230.40**
		Non Coking	300-600	119.27	308.83	0.00	**428.10**
		Total		***1594.21***	***444.64***	***0.00***	***2038.85***
	Jharia	Prime Coking	0-600	4509.27	0.00	0.00	**4509.27**
		Prime Coking	600-1200	620.83	185.64	0.00	**806.47**
		Medium Coking	0-600	4644.67	0.00	0.00	**4644.67**
		Medium Coking	600-1200	1179.85	440.05	0.00	**1619.90**
		Non Coking	0-600	6075.22	26.78	0.00	**6102.00**
		Non Coking	600-1200	705.59	1145.41	0.00	**1851.00**
		Total		***17735.43***	***1797.88***	***0.00***	***19533.31***
	East Bokaro	Medium Coking	0-300	2858.45	1012.27	0.00	**3870.72**
		Medium Coking	300-600	726.36	1083.82	0.00	**1810.18**
		Medium Coking	600-1200	280.13	1394.07	761.88	**2436.08**
		Non Coking	0-300	101.32	56.81	0.00	**158.13**
		Non Coking	300-600	10.93	5.69	0.00	**16.62**
		Total		***3977.19***	***3552.66***	***761.88***	***8291.73***
	West Bokaro	Medium Coking	0-300	3056.42	1076.78	17.05	**4150.25**
		Medium Coking	300-600	524.08	160.94	0.00	**685.02**

Contd.....

Table 2.3 : Field Wise Inventory of Geological Resource of Coal in India (as on 1st April 2023)

(Qty. in MT)

State	Field	Type of Coal	Depth (Mt.)	Reserve			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Jharkhand		Non Coking	0-300	316.57	21.80	0.00	**338.37**
		Non Coking	300-600	25.68	19.07	0.00	**44.75**
		Total		***3922.75***	***1278.59***	***17.05***	***5218.39***
	Ramgarh	Medium Coking	0-300	728.92	155.23	0.00	**884.15**
		Medium Coking	300-600	28.66	298.79	0.00	**327.45**
		Semi Coking	0-300	171.94	95.33	0.55	**267.82**
		Semi Coking	300-600	0.00	336.22	52.90	**389.12**
		Non Coking	0-300	7.13	26.20	4.60	**37.93**
		Total		***936.65***	***911.77***	***58.05***	***1906.47***
	North Karanpura	Medium Coking	0-300	558.97	1163.22	0.00	**1722.19**
		Medium Coking	300-600	45.75	1635.92	413.43	**2095.10**
		Non Coking	0-300	9399.71	2250.60	722.03	**12372.34**
		Non Coking	300-600	1624.19	1123.53	729.50	**3477.22**
		Non Coking	600-1200	145.29	0.00	0.00	**145.29**
		Total		***11773.91***	***6173.27***	***1864.96***	***19812.14***
	South Karanpura	Medium Coking	300-600	0.00	248.04	32.83	**280.87**
		Medium Coking	600-1200	0.00	265.36	263.40	**528.76**
		Non Coking	0-300	3477.28	355.58	251.46	**4084.32**
		Non Coking	300-600	1863.26	354.09	535.09	**2752.44**
		Non Coking	600-1200	704.29	43.53	0.00	**747.82**
		Total		***6044.83***	***1266.60***	***1082.78***	***8394.21***
	Aurangabad	Non Coking	0-300	352.05	1241.22	43.07	**1636.34**
		Non Coking	300-600	0.00	867.01	423.07	**1290.08**
		Non Coking	600-1200	0.00	33.42	37.27	**70.69**
		Total		***352.05***	***2141.65***	***503.41***	***2997.11***
	Hutar	Non Coking	0-300	190.79	14.22	32.48	**237.49**
		Non Coking	300-600	0.00	12.33	0.00	**12.33**
		Total		***190.79***	***26.55***	***32.48***	***249.82***
	Daltongunj	Non Coking	0-300	83.86	60.10	0.00	**143.96**
		Total		***83.86***	***60.10***	***0.00***	***143.96***
	Deogarh	Non Coking	0-300	326.24	73.60	0.00	**399.84**
		Total		***326.24***	***73.60***	***0.00***	***399.84***
	Rajmahal	Non Coking	0-300	6778.64	6122.94	387.33	**13288.91**
		Non Coking	300-600	1955.21	3113.30	381.87	**5450.38**
		Non Coking	600-1200	77.42	30.46	5.10	**112.98**
		Total		***8811.27***	***9266.70***	***774.30***	***18852.27***
Jharkhand	***Total***	***Prime Coking***	***0-1200***	***5132.65***	***185.64***	***0.00***	***5318.29***
Jharkhand	***Total***	***Medium Coking***	***0-1200***	***14904.91***	***8948.24***	***1488.59***	***25341.74***
Jharkhand	***Total***	***Semi Coking***	***0-1200***	***223.34***	***471.55***	***53.45***	***748.34***
Jharkhand	***Total***	***Non Coking***	***0-1200***	***35488.28***	***17388.58***	***3552.87***	***56429.73***
Jharkhand	***Total***	***All***	***0-1200***	***55749.18***	***26994.01***	***5094.91***	***87838.10***

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Table 2.3 : Field Wise Inventory of Geological Resource of Coal in India (as on 1st April 2023)

(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	309.53	1387.26	26.75	**1723.54**
		Non Coking	300-600	0.00	2453.62	18.72	**2472.34**
		Non Coking	600-1200	0.00	1199.30	2.49	**1201.79**
Bihar	***Total***	***Non Coking***	***0-1200***	***309.53***	***5040.18***	***47.96***	***5397.67***
Madhya Pradesh	Johilla	Non Coking	0-300	185.08	161.23	32.83	**379.14**
		Non Coking	300-600	0.00	95.05	0.00	**95.05**
		Non Coking	600-1200	0.00	6.31	0.00	**6.31**
		Total		***185.08***	***262.59***	***32.83***	***480.50***
	Umaria	Non Coking	0-300	177.70	3.59	0.00	**181.29**
	Pench-Kanhan	Medium Coking	0-300	67.54	263.11	16.41	**347.06**
		Medium Coking	300-600	40.29	136.90	142.17	**319.36**
		Non Coking	0-300	1313.23	217.76	194.34	**1725.33**
		Non Coking	300-600	690.20	301.50	1306.04	**2297.74**
		Non Coking	600-1200	1.20	3.58	244.17	**248.95**
		Total		***2112.46***	***922.85***	***1903.13***	***4938.44***
	Pathakhera	Non Coking	0-300	261.08	51.70	0.00	**312.78**
		Non Coking	300-600	29.72	36.43	68.00	**134.15**
		Total	***0-600***	***290.80***	***88.13***	***68.00***	***446.93***
	Gurgunda	Non Coking	0-300	0.00	72.54	2.25	**74.79**
		Non Coking	300-600	0.00	12.38	44.98	**57.36**
		Non Coking	600-1200	0.00	0.00	6.16	**6.16**
		Total		***0.00***	***84.92***	***53.39***	***138.31***
	Mohpani	Non Coking	0-300	7.83	0.00	0.00	**7.83**
	Sohagpur	Medium Coking	0-300	302.42	93.99	2.01	**398.42**
		Medium Coking	300-600	356.14	730.93	90.54	**1177.61**
		Medium Coking	600-1200	15.23	81.94	21.71	**118.88**
		Semi Coking	300-600	0.00	76.47	0.00	**76.47**
		Non Coking	0-300	2182.39	2592.34	154.82	**4929.55**
		Non Coking	300-600	575.76	1448.42	9.30	**2033.48**
		Non Coking	600-1200	52.29	46.46	0.00	**98.75**
		Total		***3484.23***	***5070.55***	***278.38***	***8833.16***
	Singrauli	Non Coking	0-300	6472.88	2207.94	1153.32	**9834.14**
		Non Coking	300-600	2530.40	3474.80	851.09	**6856.29**
		Non Coking	600-1200	17.89	341.56	142.19	**501.64**
		Total		***9021.17***	***6024.30***	***2146.60***	***17192.07***
Madhya Pradesh	***Total***	***Medium Coking***	***0-1200***	***781.62***	***1306.87***	***272.84***	***2361.33***
Madhya Pradesh	***Total***	***Semi Coking***	***0-1200***	***0.00***	***76.47***	***0.00***	***76.47***
Madhya Pradesh	***Total***	***Non Coking***	***0-1200***	***14497.65***	***11073.59***	***4209.49***	***29780.73***
Madhya Pradesh	***Total***	***All***	***0-1200***	***15279.27***	***12456.93***	***4482.33***	***32218.53***
Chhattisgarh	Sohagpur	Medium Coking	300-600	0.00	11.07	0.00	**11.07**
		Semi Coking	300-600	0.00	13.49	0.00	**13.49**
		Non Coking	0-300	94.30	67.40	0.00	**161.70**
		Non Coking	300-600	0.00	279.78	0.00	**279.78**
		Non Coking	600-1200	0.00	62.56	0.00	**62.56**
		Total		***94.30***	***434.30***	***0.00***	***528.60***
	Sonhat	Medium Coking	0-300	141.84	0.00	0.00	**141.84**
		Medium Coking	300-600	120.72	0.00	0.00	**120.72**
		Semi Coking	0-300	70.77	16.45	0.00	**87.22**
		Semi Coking	300-600	0.00	82.80	0.00	**82.80**
		Non Coking	0-300	376.16	668.84	0.00	**1045.00**
		Non Coking	300-600	240.06	651.00	1.89	**892.95**
		Non Coking	600-1200	0.51	568.85	0.00	**569.36**
		Total		***950.06***	***1987.94***	***1.89***	***2939.89***

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Table 2.3 : Field Wise Inventory of Geological Resource of Coal in India (as on 1st April 2023)

(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	228.20	38.90	0.00	**267.10**
	Chirimiri	Non Coking	0-300	320.33	10.83	31.00	**362.16**
	Bisrampur	Non Coking	0-300	2011.24	678.25	5.15	**2694.64**
		Non Coking	300-600	3.00	0.00	0.00	**3.00**
		Total		***2014.24***	***678.25***	***5.15***	***2697.64***
	East Bisrampur	Non Coking	0-300	0.00	164.82	0.00	**164.82**
	Lakhanpur	Non Coking	0-300	455.88	3.35	0.00	**459.23**
	Panchbahini	Non Coking	0-300	0.00	11.00	0.00	**11.00**
	Hasdeo-Arand	Non Coking	0-300	2021.84	3213.44	220.15	**5455.43**
		Non Coking	300-600	10.44	59.98	2.97	**73.39**
		Total		***2032.28***	***3273.42***	***223.12***	***5528.82***
	Sendurgarh	Non Coking	0-300	152.89	126.32	0.00	**279.21**
	Korba	Non Coking	0-300	6590.93	2968.96	22.66	**9582.55**
		Non Coking	300-600	1974.97	1242.79	26.82	**3244.58**
		Non Coking	600-1200	202.86	0.00	0.00	**202.86**
		Total		***8768.76***	***4211.75***	***49.48***	***13029.99***
	Mand-Raigarh	Non Coking	0-300	14460.83	10380.00	385.55	**25226.38**
		Non Coking	300-600	5528.88	12004.80	461.90	**17995.58**
		Non Coking	600-1200	101.79	5903.94	0.00	**6005.73**
		Total		***20091.50***	***28288.74***	***847.45***	***49227.69***
	Tatapani-Ramkola	Non Coking	0-300	704.11	808.06	13.70	**1525.87**
		Non Coking	300-600	774.55	1487.73	71.76	**2334.04**
		Non Coking	600-1200	649.25	768.56	0.00	**1417.81**
		Total		***2127.91***	***3064.35***	***85.46***	***5277.72***
Chhattisgarh	***Total***	***Medium Coking***	***0-1200***	***262.56***	***11.07***	***0.00***	***273.63***
Chhattisgarh	***Total***	***Semi Coking***	***0-1200***	***70.77***	***112.74***	***0.00***	***183.51***
Chhattisgarh	***Total***	***Non Coking***	***0-1200***	***36903.02***	***42170.16***	***1243.55***	***80316.73***
Chhattisgarh	***Total***	***All***	***0-1200***	***37236.35***	***42293.97***	***1243.55***	***80773.87***
Uttar Pradesh	Singrauli	Non Coking	0-300	884.04	177.76	0.00	**1061.80**
Uttar Pradesh	***Total***	***Non Coking***	***0-1200***	**884.04**	**177.76**	**0.00**	**1061.80**
Uttar Pradesh	***Total***	***All***	***0-1200***	***884.04***	***177.76***	***0.00***	***1061.80***
Maharashtra	Wardha-Valley	Non Coking	0-300	4580.42	849.15	267.94	**5697.51**
		Non Coking	300-600	427.71	1006.28	1146.05	**2580.04**
		Non Coking	600-1200	0.54	35.12	26.99	**62.65**
		Total		***5008.67***	***1890.55***	***1440.98***	***8340.20***
	Kamptee	Non Coking	0-300	1492.03	387.19	28.73	**1907.95**
		Non Coking	300-600	494.50	478.38	48.20	**1021.08**
		Non Coking	600-1200	59.71	72.34	30.28	**162.33**
		Total		***2046.24***	***937.91***	***107.21***	***3091.36***
	Umrer Makardhokra	Non Coking	0-300	308.41	0.00	65.53	**373.94**
		Non Coking	300-600	0.00	0.00	83.22	**83.22**
		Non Coking	600-1200	0.00	0.00	11.95	**11.95**
		Total		***308.41***	***0.00***	***160.70***	***469.11***

Contd.....

Table 2.3 : Field Wise Inventory of Geological Resource of Coal in India (as on 1st April 2023)

(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	446.81	348.01	102.06	**896.88**
		Non Coking	300-600	244.63	227.38	15.58	**487.59**
		Non Coking	600-1200	0.00	20.80	0.06	**20.86**
		Total		***691.44***	***596.19***	***117.70***	***1405.33***
	Bokhara	Non Coking	0-300	10.00	0.00	20.00	**30.00**
Maharashtra	***Total***	***Non Coking***	***0-1200***	***8064.76***	***3424.65***	***1846.59***	**13336.00**
Maharashtra	***Total***	***All***	***0-1200***	***8064.76***	***3424.65***	***1846.59***	***13336.00***
Odisha	Ib-River	Non Coking	0-300	13930.66	5707.79	0.00	**19638.45**
		Non Coking	300-600	3572.38	10737.88	2227.77	**16538.03**
		Non Coking	600-1200	2.97	3650.62	0.00	**3653.59**
		Total		***17506.01***	***20096.29***	***2227.77***	***39830.07***
	Talcher	Non Coking	0-300	26309.57	6499.93	1155.54	**33965.04**
		Non Coking	300-600	7797.95	9450.38	1083.56	**18331.89**
		Non Coking	600-1200	432.66	1489.72	469.21	**2391.59**
		Total		***34540.18***	***17440.03***	***2708.31***	***54688.52***
Odisha	***Total***	***Non Coking***	***0-1200***	***52046.19***	***37536.32***	***4936.08***	**94518.59**
Odisha	***Total***	***All***	***0-1200***	***52046.19***	***37536.32***	***4936.08***	***94518.59***
Andhra Pradesh	Godavari Valley	Non Coking	0-300	200.90	395.67	45.05	**641.62**
		Non Coking	300-600	154.63	738.70	108.22	**1001.55**
		Non Coking	600-1200	669.12	1234.57	624.90	**2528.59**
		Total	***0-1200***	***1024.65***	***2368.94***	***778.17***	***4171.76***
Andhra Pradesh	***Total***	***Non Coking***	***0-1200***	***1024.65***	***2368.94***	***778.17***	4171.76
Andhra Pradesh	***Total***	***All***	***0-1200***	***1024.65***	***2368.94***	***778.17***	***4171.76***
Telangana	Godavari Valley	Non Coking	0-300	6684.49	3018.22	365.84	**10068.55**
		Non Coking	300-600	4263.86	4042.74	697.87	**9004.47**
		Non Coking	600-1200	308.43	1435.61	2369.36	**4113.40**
		Total	***0-1200***	***11256.78***	***8496.57***	***3433.07***	***23186.42***
Telangana	***Total***	***Non Coking***	***0-1200***	***11256.78***	***8496.57***	***3433.07***	23186.42
Telangana	***Total***	***All***	***0-1200***	***11256.78***	***8496.57***	***3433.07***	***23186.42***
Sikkim	Rangit Valley	Non Coking	0-300	0.00	58.25	42.98	**101.23**
Sikkim	***Total***	***Non Coking***	***0-1200***	***0.00***	***58.25***	***42.98***	***101.23***
Sikkim	***Total***	***All***	***0-1200***	***0.00***	***58.25***	***42.98***	***101.23***
Assam	Singrimari	Semi Coking	0-300	0.00	0.39	0.00	**0.39**
		Non Coking	0-300	0.00	10.64	0.00	**10.64**
		Non Coking	300-600	0.00	3.46	0.00	**3.46**
		Non Coking	600-1200	0.00	0.00	0.00	**0.00**
		Total		**0.00**	**14.49**	**0.00**	14.49
	Makum	High Sulphur	0-300	246.24	4.55	0.00	**250.79**
		High Sulphur	300-600	185.85	16.15	0.00	**202.00**
		Total		***432.09***	***20.70***	***0.00***	***452.79***
	Dilli-Jeypore	High Sulphur	0-300	32.00	22.02	0.00	**54.02**
	Mikir Hills	High Sulphur	0-300	0.69	0.00	3.02	**3.71**

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Table 2.3 : Field Wise Inventory of Geological Resource of Coal in India (as on 1st April 2023)

(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*	*0.00*	*0.39*	*0.00*	0.39
Assam	*Total*	*Non Coking*	*0-1200*	*0.00*	*14.10*	*0.00*	14.10
Assam	*Total*	*High Sulphur*	*0-1200*	*464.78*	*42.72*	*3.02*	510.52
Assam	*Total*	*All*	*0-1200*	*464.78*	*57.21*	*3.02*	525.01
Arunachal Pradesh	Namchik-Namphuk	High Sulphur	0-300	31.23	40.11	12.89	**84.23**
	Miao Bum	High Sulphur	0-300	0.00	0.00	6.00	**6.00**
Arunachal Pradesh	*Total*	*High Sulphur*	*0-1200*	*31.23*	*40.11*	*18.89*	*90.23*
Arunachal Pradesh	*Total*	*All*	*0-1200*	*31.23*	*40.11*	*18.89*	*90.23*
Meghalaya	West-Darangiri	High Sulphur	0-300	65.40	0.00	59.60	**125.00**
	East Darangiri	High Sulphur	0-300	0.00	0.00	34.19	**34.19**
	Balphakram-Pendenguru	High Sulphur	0-300	0.00	0.00	107.03	**107.03**
	Siju	High Sulphur	0-300	0.00	0.00	125.00	**125.00**
	Langrin	High Sulphur	0-300	10.46	16.51	106.19	**133.16**
	Mawlong Shelia	High Sulphur	0-300	2.17	0.00	3.83	**6.00**
	Khasi Hills	High Sulphur	0-300	0.00	0.00	10.10	**10.10**
	Bapung	High Sulphur	0-300	11.01	0.00	22.65	**33.66**
	Jayanti Hill	High Sulphur	0-300	0.00	0.00	2.34	**2.34**
Meghalaya	*Total*	*High Sulphur*	*0-1200*	*89.04*	*16.51*	*470.93*	*576.48*
Meghalaya	*Total*	*All*	*0-1200*	*89.04*	*16.51*	*470.93*	*576.48*
Nagaland	Borjan	High Sulphur	0-300	5.50	0.00	4.50	**10.00**
	Jhanzi-Disai	High Sulphur	0-300	2.00	21.83	109.26	**133.09**
	Tiensang	High Sulphur	0-300	1.26	0.00	2.00	**3.26**
	Tiru Valley	High Sulphur	0-300	0.00	0.00	6.60	**6.60**
	Changki	High Sulphur	0-300	0.00	0.00	31.89	**31.89**
	Dgm	High Sulphur	0-300	0.00	0.00	293.47	**293.47**
Nagaland	*Total*	*High Sulphur*	*0-1200*	*8.76*	*21.83*	*447.72*	*478.31*
Nagaland	*Total*	*All*	*0-1200*	*8.76*	*21.83*	*447.72*	*478.31*
All India	*Total*	*Prime Coking*	*0-1200*	*5132.65*	*185.64*	*0.00*	*5318.29*
India	*Total*	*Medium Coking*	*0-1200*	*16499.51*	*10266.18*	*1761.43*	*28527.12*
India	*Total*	*Semi Coking*	*0-1200*	*529.68*	*1081.47*	*186.33*	*1797.48*
India	*Total*	*Non Coking*	*0-1200*	*177148.25*	*140027.60*	*23733.00*	*340908.85*
India	*Total*	*High Sulphur*	*0-1200*	*593.81*	*121.17*	*940.56*	*1655.54*
India	*Grand Total*		*0-1200*	*199903.90*	*151682.06*	*26621.32*	*378207.28*
All India	*Total for Tertiary Coalfields*		*0-1200*	*593.81*	*121.17*	*940.56*	*1655.54*
	*Total for Gondwana Coalfields**		*0-1200*	*199310.09*	*151560.89*	*25680.76*	*376551.74*
	Grand Total		*0-1200*	*199903.90*	*151682.06*	*26621.32*	*378207.28*

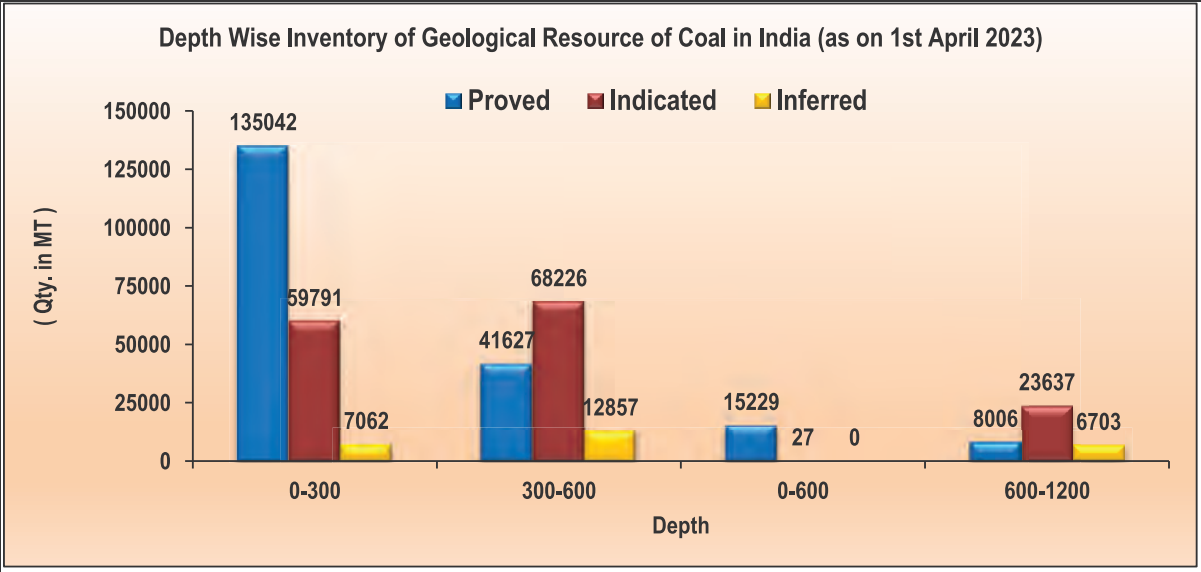
** Including Sikkim*

Source: Geological Survey of India

Table 2.4 : Depth Wise Inventory of Geological Resource of Coal in India (as on 1st April 2023)

(Qty. in MT)

Depth (Metre)	Type of Coal	Reserve			
		Proved	Indicated	Inferred	*Total*
(1)	(2)	(3)	(4)	(5)	(6)
0-300	Prime Coking	2.21	0.00	0.00	***2.21***
0-600	Prime Coking	4509.27	0.00	0.00	***4509.27***
300-600	Prime Coking	0.34	0.00	0.00	***0.34***
600-1200	Prime Coking	620.83	185.64	0.00	***806.47***
0-1200	**Total**	**5132.65**	**185.64**	**0.00**	***5318.29***
0-300	Medium Coking	8140.06	3770.86	35.47	***11946.39***
0-600	Medium Coking	4644.67	0.00	0.00	***4644.67***
300-600	Medium Coking	1964.70	4313.90	678.97	***6957.57***
600-1200	Medium Coking	1750.08	2181.42	1046.99	***4978.49***
0-1200	**Total**	**16499.51**	**10266.18**	**1761.43**	***28527.12***
0-300	Semi Coking	340.42	125.80	0.55	***466.77***
0-600	Semi Coking	0.00	0.00	0.00	***0.00***
300-600	Semi Coking	130.19	659.82	58.09	***848.10***
600-1200	Semi Coking	59.07	295.85	127.69	***482.61***
0-1200	**Total**	**529.68**	**1081.47**	**186.33**	***1797.48***
0-300	High Sulphur	407.96	105.02	940.56	***1453.54***
0-600	High Sulphur	0.00	0.00	0.00	***0.00***
300-600	High Sulphur	185.85	16.15	0.00	***202.00***
600-1200	High Sulphur	0.00	0.00	0.00	***0.00***
0-1200	**Total**	**593.81**	**121.17**	**940.56**	***1655.54***
0-300	Non Coking	126150.90	55789.81	6085.29	***188026.00***
0-600	Non Coking	6075.22	26.78	0.00	***6102.00***
300-600	Non Coking	39346.35	63236.57	12119.78	***114702.70***
600-1200	Non Coking	5575.78	20974.44	5527.93	***32078.15***
0-1200	**Total**	**177148.25**	**140027.60**	**23733.00**	***340908.85***
0-300	**Total**	**135041.55**	**59791.49**	**7061.87**	***201894.91***
300-600	**Total**	**41627.43**	**68226.44**	**12856.84**	***122710.71***
0-600	**Total**	**15229.16**	**26.78**	**0.00**	***15255.94***
600-1200	**Total**	**8005.76**	**23637.35**	**6702.61**	***38345.72***
Grand Total		***199903.90***	***151682.06***	***26621.32***	***378207.28***



Source: Geological Survey of India

Table-2.5: Grade Wise Inventory of Non-Coking Coal Resource in Gondwana Coalfields of India (as on 1st April 2023)

(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)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
West Bengal																	
Raniganj	0-300	77.11	1567.55	3531.83	3073.75	2188.98	1.36	**10440.58**	23.13	170.37	447.34	384.70	380.37		**1405.91**	169.60	**12016.09**
	300-600	63.74	789.02	919.23	984.69	1609.90	3.72	**4370.30**	54.58	649.92	1112.22	616.04	575.62	0.54	**3008.92**	1172.55	**8551.77**
	600-1200	30.84	171.66	198.61	501.42	540.48	0.96	**1443.97**	156.27	365.12	488.92	384.42	289.61		**1684.34**	1383.75	**4512.06**
	0-1200	171.69	2528.23	4649.67	4559.86	4339.36	6.04	**16254.85**	233.98	1185.41	2048.48	1385.16	1245.60	0.54	**6099.17**	2725.90	**25079.92**
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**
Total		**171.69**	**2528.76**	**4656.86**	**4633.67**	**4673.64**	**8.73**	**16673.35**	**235.26**	**1253.84**	**3500.76**	**2803.44**	**4471.01**	**14.19**	**12278.50**	**3642.24**	**32594.09**
Jharkhand																	
Raniganj	0-300	0.56	6.89	58.99	205.33	876.57		**1148.34**				0.72	81.34		**82.06**		**1230.40**
	300-600	0.09	3.63	2.88	25.05	87.60	0.02	**119.27**				142.07	166.76		**308.83**		**428.10**
	0-600	0.65	10.52	61.87	230.38	964.17	0.02	**1267.61**				142.79	248.10		**390.89**		**1658.50**
Jharia	0-600	84.81	170.79	178.95	608.57	5032.10		**6075.22**					26.78		**26.78**		**6102.00**
	600-1200	6.43	32.92	67.95	136.97	461.32		**705.59**					1145.41		**1145.41**		**1851.00**
	0-1200	91.24	203.71	246.90	745.54	5493.42		**6780.81**	0.00	0.00	0.00	0.00	1172.19		**1172.19**		**7953.00**
East Bokaro	0-300		0.11	3.15	14.19	83.44	0.43	**101.32**		7.76	7.77	19.82	21.46		**56.81**		**158.13**
	300-600			0.30	1.69	8.93	0.01	**10.93**		0.40	0.40	1.61	3.28		**5.69**		**16.62**
	0-600	0.00	0.11	3.45	15.88	92.37	0.44	**112.25**	0.00	8.16	8.17	21.43	24.74		**62.50**		**174.75**
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**		**383.12**
Ramgarh	0-300				3.50	3.63		**7.13**				13.10	13.10		**26.20**	4.60	**37.93**
North	0-300	31.01	51.97	140.06	1017.33	8025.23	134.11	**9399.71**	6.56	1.42	4.61	316.73	1915.01	6.27	**2250.60**	722.03	**12372.34**
Karanpura	300-600	0.11	2.34	21.26	236.45	1336.03	28.00	**1624.19**		2.86	2.93	441.37	676.21	0.16	**1123.53**	729.50	**3477.22**
	600-1200	0.02	0.23	1.19	15.76	127.85	0.24	**145.29**							**0.00**		**145.29**
	0-1200	31.14	54.54	162.51	1269.54	9489.11	162.35	**11169.19**	6.56	4.28	7.54	758.10	2591.22	6.43	**3374.13**	1451.53	**15994.85**
South	0-300	149.47	192.23	394.86	929.73	1809.96	1.03	**3477.28**	0.02	39.02	77.93	124.21	114.40		**355.58**	251.46	**4084.32**
Karanpura	300-600	19.50	240.94	239.55	695.77	665.90	1.60	**1863.26**		31.90	40.69	114.09	167.41		**354.09**	535.09	**2752.44**
	600-1200	6.66	149.22	194.98	277.32	75.65	0.46	**704.29**			7.53	9.35	26.65		**43.53**		**747.82**
	0-1200	175.63	582.39	829.39	1902.82	2551.51	3.09	**6044.83**	0.02	70.92	126.15	247.65	308.46	0.00	**753.20**	786.55	**7584.58**
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		**352.05**	0.00	8.04	33.36	244.64	1855.61		**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		**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**		**399.84**
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**
Total		**337.93**	**957.37**	**1530.99**	**4843.34**	**27535.01**	**283.64**	**35488.28**	**21.90**	**178.94**	**927.47**	**3995.98**	**12190.21**	**74.08**	**17388.58**	**3552.87**	**56429.73**
Bihar																	
Rajmahal	0-300					291.08	18.45	**309.53**				79.79	1165.16	142.31	**1387.26**	26.75	**1723.54**
	300-600							**0.00**		2.02	53.25	404.74	1846.16	147.45	**2453.62**	18.72	**2472.34**
	600-1200							**0.00**		9.55	42.40	168.86	917.23	61.26	**1199.30**	2.49	**1201.79**
	0-1200					291.08	18.45	**309.53**		11.57	95.65	653.39	3928.55	351.02	**5040.18**	47.96	**5397.67**
Total		**0.00**	**0.00**	**0.00**	**0.00**	**291.08**	**18.45**	**309.53**	**0.00**	**11.57**	**95.65**	**653.39**	**3928.55**	**351.02**	**5040.18**	**47.96**	**5397.67**

Contd.....

Table-2.5: Grade Wise Inventory of Non-Coking Coal Resource in Gondwana Coalfields of India (as on 1st April 2023)

(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)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Madhya Pradesh																	
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		**185.08**	0.00	33.97	33.69	23.63	145.31	25.99	**262.59**	32.83	**480.50**
Umaria	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	55.04	189.84	327.96	347.16	393.16	0.07	**1313.23**	12.11	32.38	56.07	82.77	34.43		**217.76**	194.34	**1725.33**
	300-600	27.62	139.33	132.24	195.46	195.26	0.29	**690.20**	21.53	90.67	106.54	27.09	51.17	4.50	**301.50**	1306.04	**2297.74**
	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**	244.17	**248.95**
	0-1200	82.89	329.43	460.46	543.01	588.48	0.36	**2004.63**	34.66	124.44	162.84	110.63	85.77	4.50	**522.84**	1744.55	**4272.02**
Pathakhera	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		**290.80**		2.76	7.08	27.22	51.07		**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**		0.70	4.24	5.91	74.07		**84.92**	53.39	**138.31**
Mohpani	0-300					7.83		**7.83**									**7.83**
Sohagpur	0-300	127.22	325.03	492.07	492.33	730.38	15.36	**2182.39**	94.94	381.58	800.75	624.14	684.78	6.15	**2592.34**	154.82	**4929.55**
	300-600	12.25	84.21	108.22	266.55	101.93	2.60	**575.76**	121.70	396.69	443.06	219.61	263.88	3.48	**1448.42**	9.30	**2033.48**
	600-1200	1.29	4.71	4.43	14.91	26.15	0.80	**52.29**	1.16	13.87	3.70	11.06	15.84	0.83	**46.46**		**98.75**
	0-1200	140.76	413.95	604.72	773.79	858.46	18.76	**2810.44**	217.80	792.14	1247.51	854.81	964.50	10.46	**4087.22**	164.12	**7061.78**
Singrauli	0-300	5.56	111.38	837.55	1505.10	3988.67	24.62	**6472.88**	39.96	163.87	688.94	389.07	845.92	80.18	**2207.94**	1153.32	**9834.14**
	300-600	3.42	58.15	180.71	774.29	1501.96	11.87	**2530.40**	35.55	405.55	609.20	1116.38	1219.86	88.26	**3474.80**	851.09	**6856.29**
	600-1200		0.72	2.08	4.08	10.91	0.10	**17.89**	19.46	84.09	81.82	89.40	62.03	4.76	**341.56**	142.19	**501.64**
	0-1200	8.98	170.25	1020.34	2283.47	5501.54	36.59	**9021.17**	94.97	653.51	1379.96	1594.85	2127.81	173.20	6024.30	2146.60	**17192.07**
Total		**234.52**	**974.77**	**2263.07**	**3805.37**	**7164.21**	**55.71**	**14497.65**	**347.54**	**1608.01**	**2836.34**	**2618.41**	**3449.14**	**214.15**	**11073.59**	**4209.49**	**29780.73**
Chhattisgarh																	
Sohagpur	0-300	23.20	35.40	29.02	4.92	1.76		**94.30**	0.43	1.74	7.54	3.74	51.75	2.20	**67.40**		**161.70**
	300-600							**0.00**	2.05	21.49	23.03	70.91	158.50	3.80	**279.78**		**279.78**
	600-1200							**0.00**	0.97	6.01	2.75	8.96	39.79	4.08	**62.56**		**62.56**
	0-1200	23.20	35.40	29.02	4.92	1.76	0.00	**94.30**	3.45	29.24	33.32	83.61	250.04	10.08	**409.74**	0.00	**504.04**
Sonhat	0-300	26.37	66.89	38.58	82.10	154.61	7.61	**376.16**		8.46	26.51	206.54	427.33		**668.84**		**1045.00**
	300-600	21.28	75.82	31.88	57.45	49.23	4.40	**240.06**	2.00	107.89	144.09	303.13	93.89		**651.00**	1.89	**892.95**
	600-1200					0.43	0.08	**0.51**	0.10	46.09	105.85	176.77	240.04		**568.85**		**569.36**
	0-1200	47.65	142.71	70.46	139.55	204.27	12.09	**616.73**	2.10	162.44	276.45	686.44	761.26		**1888.69**	1.89	**2507.31**
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	298.34	200.69	408.39	944.95	57.01	**2011.24**	18.30	54.21	125.66	140.45	330.04	9.59	**678.25**	5.15	**2694.64**
	300-600	0.02	2.14	0.40	0.44			**3.00**							**0.00**		**3.00**
	0-600	101.88	300.48	201.09	408.83	944.95	57.01	**2014.24**	18.30	54.21	125.66	140.45	330.04	9.59	**678.25**	5.15	**2697.64**
East of Bisra	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-Aran	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		**2032.28**	70.11	179.99	646.52	1288.07	1088.73		**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	112.04	150.20	294.27	5612.77	196.72	**6590.93**	37.87	31.39	107.84	126.51	2664.24	1.11	**2968.96**	22.66	**9582.55**
	300-600	16.28	7.94	8.26	201.40	1691.60	49.49	**1974.97**	2.57		30.33	156.39	1053.50		**1242.79**	26.82	**3244.58**
	600-1200		1.91	2.38	40.72	152.56	5.29	**202.86**							**0.00**		**202.86**
	0-1200	241.21	121.89	160.84	536.39	7456.93	251.50	**8768.76**	40.44	31.39	138.17	282.90	3717.74	1.11	**4211.75**	49.48	**13029.99**

Contd.....

Table-2.5: Grade Wise Inventory of Non-Coking Coal Resource in Gondwana Coalfields of India (as on 1st April 2023)

(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)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Mand-Raiga	0-300	25.26	42.30	222.92	772.63	12574.99	822.73	**14460.83**	77.93	56.79	248.76	1682.97	7886.17	427.38	**10380.00**	385.55	**25226.38**
	300-600	99.59	78.63	227.82	813.74	4092.00	217.10	**5528.88**	87.94	77.18	323.46	1146.65	9803.17	566.40	**12004.80**	461.90	**17995.58**
	600-1200		0.25	7.95	36.37	55.77	1.45	**101.79**	0.50	6.10	97.26	548.76	5063.57	187.75	**5903.94**		**6005.73**
	0-1200	124.85	121.18	458.69	1622.74	16722.76	1041.28	**20091.50**	166.37	140.07	669.48	3378.38	22752.91	1181.53	**28288.74**	847.45	**49227.69**
Tatapani	0-300	4.72	31.65	38.30	104.99	497.34	27.11	**704.11**	18.66	51.22	158.35	190.19	382.55	7.09	**808.06**	13.70	**1525.87**
Ramkola	300-600	10.94	25.85	26.71	118.94	562.01	30.10	**774.55**	47.39	107.02	203.61	298.43	780.72	50.56	**1487.73**	71.76	**2334.04**
	600-1200	3.23	12.11	15.50	97.19	515.75	5.47	**649.25**	12.17	58.15	33.51	147.66	495.27	21.80	**768.56**		**1417.81**
	0-1200	18.89	69.61	80.51	321.12	1575.10	62.68	**2127.91**	78.22	216.39	395.47	636.28	1658.54	79.45	**3064.35**	85.46	**5277.72**
Total		**695.04**	**1047.49**	**1418.58**	**3589.35**	**28728.00**	**1424.56**	**36903.02**	**420.29**	**885.70**	**2363.45**	**6596.12**	**30622.84**	**1281.76**	**42170.16**	**1243.55**	**80316.73**
Uttar Pradesh																	
Singrauli	0-300			8.05	275.80	600.19		**884.04**				99.09	78.67		**177.76**		**1061.80**
Total		**0.00**	**0.00**	**8.05**	**275.80**	**600.19**	**0.00**	**884.04**	**0.00**	**0.00**	**0.00**	**99.09**	**78.67**	**0.00**	**177.76**	**0.00**	**1061.80**
Maharashtra																	
Wardha	0-300		32.85	300.09	1743.10	2453.42	50.96	**4580.42**		24.33	46.14	328.92	427.58	22.18	**849.15**	267.94	**5697.51**
Valley	300-600			2.03	59.94	355.43	10.31	**427.71**		46.03	105.57	221.38	609.76	23.54	**1006.28**	1146.05	**2580.04**
	600-1200					0.54		**0.54**				11.09	24.03		**35.12**	26.99	**62.65**
	0-1200		32.85	302.12	1803.04	2809.39	61.27	**5008.67**		70.36	151.71	561.39	1061.37	45.72	**1890.55**	1440.98	**8340.20**
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**
	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-	0-300		0.53	42.18	127.29	138.41		**308.41**							**0.00**	65.53	**373.94**
Makardhokra	300-600							**0.00**							**0.00**	83.22	**83.22**
	600-1200							**0.00**							**0.00**	11.95	**11.95**
	0-1200		0.53	42.18	127.29	138.41		**308.41**							**0.00**	160.70	**469.11**
Nand-Bande	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**		27.08	179.32	203.62	186.17		**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**
Total		**12.89**	**212.62**	**857.96**	**2732.09**	**4180.82**	**68.38**	**8064.76**	**29.73**	**147.88**	**610.27**	**967.84**	**1621.58**	**47.35**	**3424.65**	**1846.59**	**13336.00**
Odisha																	
Ib-River	0-300	0.33	4.75	55.93	417.60	12481.25	970.80	**13930.66**	4.15	10.56	67.04	206.68	4805.70	613.66	**5707.79**		**19638.45**
	300-600	0.41	45.59	74.67	220.64	2775.19	455.88	**3572.38**	14.20	142.86	203.89	546.20	9038.57	792.16	**10737.88**	2227.77	**16538.03**
	600-1200	0.01	0.86	0.06	0.04	2.00		**2.97**	17.81	137.40	72.97	221.94	2965.03	235.47	**3650.62**		**3653.59**
	0-1200	0.75	51.20	130.66	638.28	15258.44	1426.68	**17506.01**	36.16	290.82	343.90	974.82	16809.30	1641.29	**20096.29**	2227.77	**39830.07**
Talcher	0-300	24.99	263.43	328.97	758.24	23686.27	1247.67	**26309.57**	28.77	72.93	149.76	553.26	5486.28	208.93	**6499.93**	1155.54	**33965.04**
	300-600	5.16	27.91	45.51	183.53	6737.10	798.74	**7797.95**	47.86	168.13	275.86	1178.32	7576.86	203.35	**9450.38**	1083.56	**18331.89**
	600-1200	8.23	22.49	17.55	40.47	343.21	0.71	**432.66**		11.00	48.27	65.10	1326.24	39.11	**1489.72**	469.21	**2391.59**
	0-1200	38.38	313.83	392.03	982.24	30766.58	2047.12	**34540.18**	76.63	252.06	473.89	1796.68	14389.38	451.39	**17440.03**	2708.31	**54688.52**
Total		**39.13**	**365.03**	**522.69**	**1620.52**	**46025.02**	**3473.80**	**52046.19**	**112.79**	**542.88**	**817.79**	**2771.50**	**31198.68**	**2092.68**	**37536.32**	**4936.08**	**94518.59**
Andhra Pradesh																	
Godavari	0-300			0.02	3.00	131.19	66.69	**200.90**			1.78	14.14	358.86	20.89	**395.67**	45.05	**641.62**
	300-600			0.03	1.18	123.89	29.53	**154.63**			1.11	8.62	628.55	100.42	**738.70**	108.22	**1001.55**
	600-1200		0.06	0.40	10.76	637.73	20.17	**669.12**				0.08	1141.31	93.18	**1234.57**	624.90	**2528.59**
	0-1200		0.06	0.45	14.94	892.81	116.39	**1024.65**			2.89	22.84	2128.72	214.49	**2368.94**	778.17	**4171.76**
Total		**0.00**	**0.06**	**0.45**	**14.94**	**892.81**	**116.39**	**1024.65**	**0.00**	**0.00**	**2.89**	**22.84**	**2128.72**	**214.49**	**2368.94**	**778.17**	**4171.76**
Telangana																	
Godavari	0-300	52.55	261.16	1249.37	1316.42	3801.34	3.65	**6684.49**	52.27	95.22	325.13	535.39	2003.89	6.32	**3018.22**	365.84	**10068.55**
	300-600	37.33	242.57	723.70	1172.83	2084.56	2.87	**4263.86**	69.23	149.96	484.79	715.22	2623.54		**4042.74**	697.87	**9004.47**
	600-1200	2.24	15.64	19.19	87.95	183.34	0.07	**308.43**	9.15	154.08	230.95	410.39	631.04		**1435.61**	2369.36	**4113.40**
	0-1200	92.12	519.37	1992.26	2577.20	6069.24	6.59	**11256.78**	130.65	399.26	1040.87	1661.00	5258.47	6.32	**8496.57**	3433.07	**23186.42**
Total		**92.12**	**519.37**	**1992.26**	**2577.20**	**6069.24**	**6.59**	**11256.78**	**130.65**	**399.26**	**1040.87**	**1661.00**	**5258.47**	**6.32**	**8496.57**	**3433.07**	**23186.42**
Assam																	
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**
	0-600	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**
Total		**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**
Sikkim																	
Rangit Valle	0-300							**0.00**			4.43	48.21	5.61		**58.25**	42.98	**101.23**
Total		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**4.43**	**48.21**	**5.61**	**0.00**	**58.25**	**42.98**	**101.23**
Grand Total		**1583.32**	**6605.47**	**13250.91**	**24092.28**	**126160.02**	**5456.25**	**177148.25**	**1298.16**	**5030.87**	**12199.92**	**22243.20**	**94959.41**	**4296.04**	**140027.60**	**23733.00**	**340908.85**

Source: Geological Survey of India

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

(Qty. in MT)

State	As on	Resources			
		Proved	Indicated	Inferred	*Total*
(1)	(2)	(3)	(4)	(5)	*(6)*
Gujarat	01-04-2021	1278.65	283.70	1159.70	***2722.05***
	01-04-2022	1278.65	283.70	1159.70	***2722.05***
	01-04-2023	1278.65	283.70	1159.70	***2722.05***
J & K	01-04-2021	0.00	20.25	7.30	***27.55***
	01-04-2022	0.00	20.25	7.30	***27.55***
	01-04-2023	0.00	20.25	7.30	***27.55***
Kerala	01-04-2021	0.00	0.00	9.65	***9.65***
	01-04-2022	0.00	0.00	9.65	***9.65***
	01-04-2023	0.00	0.00	9.65	***9.65***
Puducherry	01-04-2021	0.00	405.61	11.00	***416.61***
	01-04-2022	0.00	405.61	11.00	***416.61***
	01-04-2023	0.00	405.61	11.00	***416.61***
Rajasthan	01-04-2021	1168.53	3029.78	2150.77	***6349.08***
	01-04-2022	1203.85	3108.55	2273.84	***6586.24***
	01-04-2023	1203.85	3108.55	2273.84	***6586.24***
Tamilnadu	01-04-2021	4926.92	21910.06	9652.62	***36489.60***
	01-04-2022	5023.09	21885.01	10688.48	***37596.58***
	01-04-2023	5023.09	21885.01	10688.48	***37596.58***
West Bengal	01-04-2021	0.00	1.13	2.80	***3.93***
	01-04-2022	0.00	1.13	2.80	***3.93***
	01-04-2023	0.00	1.13	2.80	***3.93***
Odisha	01-04-2022	0.00	0.00	5.93	***5.93***
	01-04-2023	5.93	0.00	0.00	***5.93***
All India	***01-04-2021***	***7374.10***	***25650.53***	***12993.84***	***46018.47***
	01-04-2022	***7505.59***	***25704.25***	***14158.70***	***47368.54***
	01-04-2023	***7511.52***	***25704.25***	***14152.77***	***47368.54***

Note: Figures compiled by Neyveli Lignite Corporation Ltd. Source: Geological Survey of India

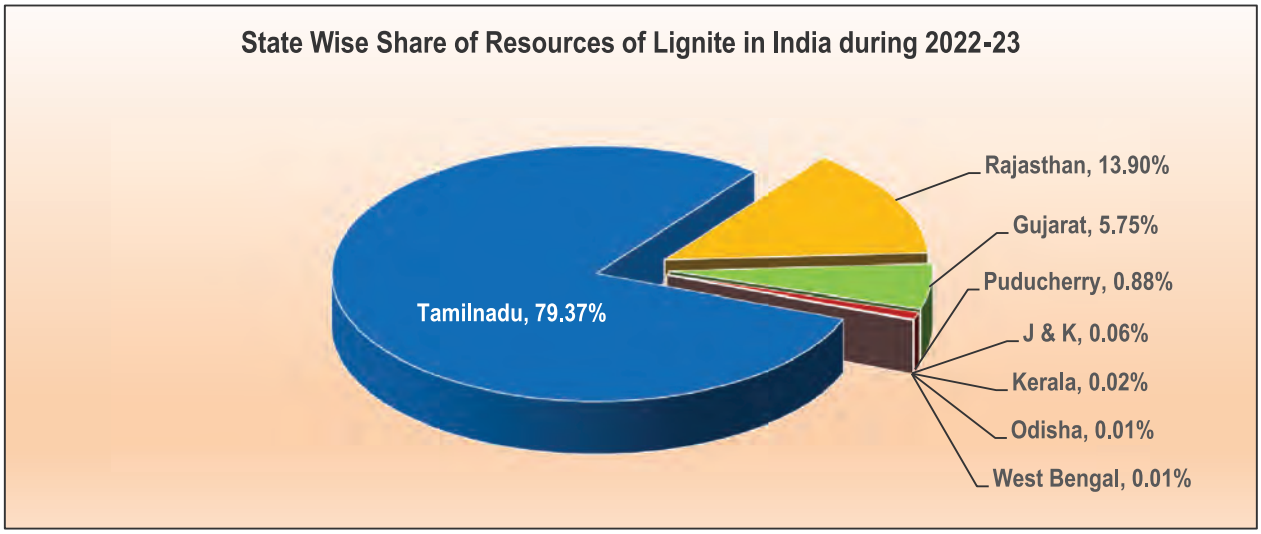


Table 2.7 : Field Wise Inventory of Geological Resource of Lignite in India (as on 1st April 2023)

(Qty. in MT)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Neyveli lignite field							
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***
Total for Pandicherry			***0.00***	***405.61***	***11.00***	***416.61***	***416.61***
Tamil Nadu							
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***
	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***
	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***
	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***
	Vayalamur	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***
	Veeranam(Lalpettai)	150-300	682.74	658.43	0.00	**1341.17**	
		>300	0.00	1.28	0.00	**1.28**	***1342.45***
Ariyalur	Jayamkondamcholapuram	0-150	904.23	302.50	0.00	**1206.73**	***1206.73***
	Meensuruti	0-150	0.00	0.00	458.00	**458.00**	***458.00***
	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***
			5023.09	***1731.62***	***1814.60***	***8569.31***	***8569.31***
	Neyveli Lignite Fields		***5023.09***	***2137.23***	***1825.60***	***8985.92***	***8985.92***
	*(Both Bahur and West of Bahur blocks cover parts of Tamil Nadu and Pondicherry state)						
Mannargudi lignite field							
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 1st April 2023)

(Qty. in MT)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Thiruvarur & Thanjavur	Melnattam-Agraharam	150-300	0.00	44.60	65.51	**110.11**	***110.11***
	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-Anaikkadu	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***
	Tiruumangaichcheri	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***
	Tiruppullani	>300	0.00	0.00	501.69	**501.69**	***501.69***
	Chittarkottai	>300	0.00	0.00	534.17	**534.17**	***534.17***
Ramnad	Rajasing Mangalam	>300	0.00	0.00	964.97	**964.97**	***964.97***
	Pandiyur	150-300	0.00	2.34	0.00	**2.34**	***2.34***
		>300	0.00	68.78	0.00	**68.78**	***68.78***
Ramnad & Sivaganga	Sattanur	>300	0.00	0.00	20.24	**20.24**	***20.24***
	Ramanathapuram lignite field		**0.00**	**239.95**	**4093.42**	**4333.37**	***4333.37***
Total for Tamil Nadu			***5023.09***	***21885.01***	***10688.48***	***37596.58***	***37596.58***
Rajasthan							
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 1st April 2023)

(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***
	Kenya-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***
	Shambu-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 1st April 2023)

(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	2.19	**2.19**	
		150-300	0.00	0.00	21.31	**21.31**	
		>300	0.00	0.00	46.14	**46.14**	***69.64***
	Bharka	0-150	0.00	8.45	0.00	**8.45**	
		150-300	0.00	1.00	0.00	**1.00**	***9.45***
	Bhurtiya	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	63.45	**63.45**	
		>300	0.00	0.00	47.81	**47.81**	***111.26***
	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	150-300	0.00	48.47	0.00	**48.47**	
	sub blocks)	>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 1st April 2023)

(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***
	Kaprion-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-Lunsara	0-300	0.00	7.17	51.41	**58.58**	***58.58***
	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	59.06	**117.35**	***128.68***
	Basin	0-150	2.97	3.82	0.75	**7.54**	
		150-300	8.19	12.99	2.56	**23.74**	***31.28***
	East of Gangardi-Ucharda	0-150	0.16	0.09	0.00	**0.25**	
		150-300	11.92	30.89	5.56	**48.37**	
		>300	12.08	30.98	5.56	**48.62**	***97.24***
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***
	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			***1203.85***	***3108.55***	***2273.84***	***6586.24***	***6586.24***
Gujarat							
Kachchh	AkriMota	0-150	91.78	0.00	0.00	**91.78**	***91.78***
	Barkhan Dam	0-150	0.00	0.00	7.19	**7.19**	***7.19***
	Hamla-Ratadia	0-150	0.00	0.00	3.00	**3.00**	***3.00***
	Jhularai-Wagapadar	0-150	3.00	0.00	0.00	**3.00**	***3.00***
	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***
	Lakhapath-Dedhdi(Punahrajpur)	0-150	49.00	24.30	0.00	**73.30**	***73.30***
	Mata-No-Madh	0-150	34.00	0.00	0.00	**34.00**	***34.00***
	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***

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Table 2.7 : Field Wise Inventory of Geological Resource of Lignite in India (as on 1st April 2023)

(Qty. in MT)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kachchh	Pranpur	0-300	0.00	1.28	8.45	**9.73**	***9.73***
	Umarsar	0-150	19.47	0.00	0.00	**19.47**	***19.47***
Bhavnagar	Kharsalia,Rampur,Hoidad, Bhuteshwar	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 Parc	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***
Total for Gujarat			***1278.65***	***283.70***	***1159.70***	***2722.05***	***2722.05***
Jammu & Kashmir							
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***
Total for Jammu & Kashmir			***0.00***	***20.25***	***7.30***	***27.55***	***27.55***
Kerala							
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***
Total for Kerala			***0.00***	***0.00***	***9.65***	***9.65***	***9.65***
West Bengal							
Bardhhaman	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***
Total for West Bengal			***0.00***	***1.13***	***2.80***	***3.93***	***3.93***
Odisha							
Kendujhar Sundargarh	Gandhalpada West	0-150	5.93	0.00	0.00	**5.93**	***5.93***
Total for Odisha			***5.93***	***0.00***	***0.00***	***5.93***	***5.93***
Grand Total for all States			***7511.52***	***25704.25***	***14152.77***	***47368.54***	***47368.54***

Source: Geological Survey of India

Table 2.8 : Promotional Exploration (Drilling in Metres) During Xth, XIth, XII^{th,} XIIIth and XIVth Plan					
Year	Agency	CIL (Coal)	SCCL (Coal)	NLC (Lignite)	*Total*
(1)	(2)	(3)	(4)	(5)	*(6)*
1997-98 (IX Plan)	All Agencies	33132	27426	35560	***96118***
1998-99 (IX Plan)	All Agencies	59666	33847	55445	***148958***
1999-00 (IX Plan)	All Agencies	96731	28574	70398	***195703***
2000-01 (IX Plan)	All Agencies	33647	10724	52246	***96617***
2001-02 (IX Plan)	All Agencies	45626	17993	64198	***127817***
1997-02 (IX Plan)	***Geological Survey of India***	***59612***	***6527***	***13225***	***79364***
1997-02 (IX Plan)	***Mineral Exploration Corporation Ltd.***	***174445***	***112037***	***264622***	***551104***
1997-02 (IX Plan)	***Central Mine Planning & Design Inst.***	***34745***	***0***	***0***	***34745***
1997-02 (IX Plan)	***All Agencies***	***268802***	***118564***	***277847***	***665213***
2002-03 (Xth Plan)	All Agencies	43738	17202	56360	117300
2003-04 (Xth Plan)	All Agencies	53418	18712	59401	131531
2004-05 (Xth Plan)	All Agencies	62426	15110	57026	134562
2005-06 (Xth Plan)	All Agencies	62721	16786	58981	138488
2006-07 (Xth Plan)	All Agencies	51675	18212	31721	101608
2002-07 (Xth Plan)	***Geological Survey of India***	***57652***	***0***	***7557***	***65209***
2002-07 (Xth Plan)	***Mineral Exploration Corporation Ltd.***	***161307***	***86022***	***255932***	***503261***
2002-07 (Xth Plan)	***Central Mine Planning & Design Inst.***	***55019***	***0***	***0***	***55019***
2002-07 (Xth Plan)	***All Agencies***	***273978***	***86022***	***263489***	***623489***
2007-08 (XIth Plan)	All Agencies	53028	17154	45350	115532
2008-09 (XIth Plan)	All Agencies	49666	14730	62417	126813
2009-10 (XIth Plan)	All Agencies	35983	12303	61047	109333
2010-11 (XIth Plan)	All Agencies	35627	9638	57403	102668
2011-12 (XIth Plan)	All Agencies	34930	9228	49564	93722
2007-12 (XIth Plan)	***Geological Survey of India***	***72052***	***0***	***32791***	***104843***
2007-12 (XIth Plan)	***Mineral Exploration Corporation Ltd.***	***124862***	***63053***	***242990***	***430905***
2007-12 (XIth Plan)	***DGM (Nagaland)***	***11002***	***0***	***0***	***11002***
2007-12 (XIth Plan)	***Central Mine Planning & Design Inst.***	***139995***	***44187***	***168814***	***352996***
2007-12 (XIth Plan)	***All Agencies***	***347911***	***107240***	***444595***	***899746***
2012-13(XIIth Plan)	All Agencies	36725	8899	67728	113352
2013-14 (XIIth Plan)	All Agencies	53695	9553	68774	132022
2014-15 (XIIth Plan)	All Agencies	67145	3575	68777	139497
2015-16 (XIIth Plan)	All Agencies	52086	0	60254	112340
2016-17 (XIIth Plan)	All Agencies	49695	0	55686	105381
2012-17 (XIIth Plan)	***Geological Survey of India***	***65312***	***0***	***35658***	***100970***
2012-17 (XIIth Plan)	***Mineral Exploration Corporation Ltd.***	***189960***	***22027***	***285561***	***497548***
2012-17 (XIIth Plan)	***DGM (Nagaland)***	***2887***	***0***	***0***	***2887***
2012-17 (XIIth Plan)	***Central Mine Planning & Design Inst.***	***1187***	***0***	***0***	***1187***
2012-17 (XIIth Plan)	***All Agencies***	***259346***	***22027***	***321219***	***602592***

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Table 2.8 : Promotional Exploration (Drilling in Metres) During Xth, XIth, XIIth, XIIIth and XIVth Plan					
Year	Agency	CIL (Coal)	SCCL (Coal)	NLC (Lignite)	*Total*
(1)	(2)	(3)	(4)	(5)	(6)
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***
2017-18 (XIIIth Plan)	***All Agencies***	***92803***	***0***	***41895***	***134697***
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***
2018-19 (XIIIth Plan)	***All Agencies***	***91300***	***4700***	***43000***	***139000***
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***
2019-20 (XIIIth Plan)	***All Agencies***	***70900***	***11200***	***33500***	***115600***
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***
2020-21 (XIIIth Plan)	***All Agencies***	***111735***	***290***	***22853***	***134878***
2021-22	Geological Survey of India	0	0	0	***0***
2021-22	Mineral Exploration Corporation Ltd.	35200	0	14000	***49200***
2021-22	DGM (Nagaland)	1500	0	0	***1500***
2021-22	Central Mine Planning & Design Inst.	121000	0	0	***121000***
2021-22 (XIIIth Plan)	***All Agencies***	***157700***	***0***	***14000***	***171700***
2017-22 (XIIIth Plan)	***Geological Survey of India***	***0***	***0***	***341***	***341***
Total (XIIIth Plan)	***Mineral Exploration Corporation Ltd.***	***319232***	***16190***	***154906***	***490328***
Total (XIIIth Plan)	***DGM (Nagaland)***	***2844***	***0***	***0***	***2844***
Total (XIIIth Plan)	***Central Mine Planning & Design Inst.***	***199762***	***0***	***0***	***199762***
Total (XIIIth Plan)	***All Agencies***	***521838***	***16190***	***155248***	***693275***
2022-23	Geological Survey of India	0	0	0	***0***
2022-23	Mineral Exploration Corporation Ltd.	17973	0	0	***17973***
2022-23	DGM (Nagaland)	1879	0	0	***1879***
2022-23	Central Mine Planning & Design Inst.	109245	0	0	***109245***
2022-23 (XIVth Plan)	***All Agencies***	***129097***	***0***	***0***	***129097***

Note: IXth Plan 1997-98 to 2001-02, Xth Plan 2002-03 to 2006-07, XIth Plan 2007-08 to 2011-12, XIIth plan 2012-13 to 2016-17, XIIIth plan 2017-18 to 2021-22 and XIIIth Plan Starts from 2022-23

Table 2.9 : Detailed Exploration (Drilling in Meters) During IXth to XIVth 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 Total (IXth Plan)	Departmental	CIL	134412		110201	56008	159302	218407	140531		818861	251379	251379
	Departmental	Non-CIL			31576		11057	35219	40946		118798		
	MECL	CIL	15036		12338		49350	55959		13	132696		
	MECL	Non-CIL	46339		13179	17906	7173	30205			114802		
	MP/Odisha Govt.	CIL						31646	21586		53232		
	Private Parties	CIL								2448	2448		
	All Agencies	*Total*	*195787*	*0*	*167294*	*73914*	*226882*	*371436*	*203063*	*2461*	*1240837*	*251379*	
2002-2007 Total (Xth Plan)	Departmental	CIL	98354	8391	63103	51783	96026	162116	166142	0	645915	0	
	Departmental	Non-CIL	0	0	61788	8392	19645	87775	53803	0	231403	332173	
	MECL	Non-CIL	0	0	4837	0	0	4797	22959	0	32593	0	
	CG/MP/Odisha Govt.	CIL	0	0	0	0	2744	28831	11727	0	41273	0	
	All Agencies	*Total*	*98354*	*8391*	*129728*	*60175*	*118415*	*283519*	*254631*	*0*	*951184*	*332173*	
1997-12 Total (XIth Plan)	Departmental	CIL	134412		110201	56008	159302	218407	140531		818861	192639	0
	Departmental	Non-CIL			31576		11057	35219	40946		118798		
	MECL	CIL	15036		12338		49350	55959		13	132696		
	MECL	Non-CIL	46339		13179	17906	7173	30205			114802		
	MP/Odisha Govt.	CIL						31646	21586		53232		
	Private Parties	CIL								2448	2448		
	All Agencies	*Total*	*195787*		*167294*	*73914*	*226882*	*371436*	*203063*	*2461*	*1240837*	*192639*	
2012-17 Total (XIIth Plan)	Departmental	CIL	217179	0	238617	69362	210472	631407	88918	0	1455955	0	0
	Departmental	Non-CIL	21998	0	5675	64551	41370	25996	191931	0	351521	361499	0
	Departmental	Pvt. Blocks	0	0	0	0	0	0	0	0	0	0	0
	Departmental	*Total*	*239177*	*0*	*244292*	*133913*	*251842*	*657403*	*280849*	*0*	*1807476*	*361499*	*0*
	MECL	CIL	12775	26114	0	93879	0	375762	0	0	508530	0	0
	MECL	Non-CIL	0	0	0	73759	56544	428881	0	0	559184	195861	0
	CG/MP/Odisha Govt.	CIL	0	0	0	0	0	14545	11463	0	26008	0	0
	Private /Contractual	CIL	97625	116733	233816	0	114385	254373	30565	0	847497	0	0
	Private /Contractual	Non-CIL	81700	0	45809	0	42790	162395	59959	0	392653	0	0
	Private /Contractual	*Total*	*179325*	*116733*	*279625*	*0*	*157175*	*416768*	*90524*	*0*	*1240150*	*0*	*0*
	All Agencies	CIL	327579	142847	472433	163241	324857	1276087	130946	0	2837990	0	0
	All Agencies	Non-CIL	103698	0	51484	138310	140704	617272	251890	0	1303358	557360	0
	All Agencies	*Total*	*431277*	*142847*	*523917*	*301551*	*465561*	*1893359*	*382836*	*0*	*4141348*	*557360*	*0*
2017-18 (XIIIth Plan)	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		
	Departmental	*Total*	*70436*	*0*	*38031*	*45239*	*72394*	*153153*	*64561*	*0*	*443814*	*0*	
	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		
	Private /Contractual	*Total*	*147379*	*0*	*64427*	*0*	*56788*	*117261*	*58754*	*0*	*444609*		
	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	
	All Agencies	*Total*	*241055*	*0*	*102458*	*80653*	*129182*	*614814*	*125436*	*0*	*1293598*	*109109*	

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Table 2.9 : Detailed Exploration (Drilling in Meters) During IXth to XIVth 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 (XIIIth Plan)	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***		
	Departmental	***Total***	***64400***	***0***	***46900***	***46100***	***90900***	***177900***	***73600***	***0***	***499800***	***0***	
	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***		
	Private /Contractual	***Total***	***147900***	***1300***	***89800***	***12900***	***67700***	***57900***	***19500***	***0***	***397000***		
	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	
	All Agencies	***Total***	***232100***	***1300***	***136700***	***76700***	***158600***	***638700***	***95100***	***0***	***1339200***	***101275***	
2019-20 (XIIIth Plan)	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***		
	Departmental	***Total***	***63100***	***0***	***53700***	***39400***	***85500***	***172900***	***73900***	***0***	***488500***	***0***	
	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***		
	Private /Contractual	***Total***	***83400***	***57500***	***51100***	***0***	***29700***	***53800***	***19100***	***0***	***294600***		
	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	
	All Agencies	***Total***	***161200***	***67600***	***104800***	***49800***	***115200***	***662500***	***95700***	***1400***	***1258200***	***87605***	
2020-21 (XIIIth Plan)	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***		
	Departmental	***Total***	***59411***	***0***	***51846***	***39197***	***70121***	***179619***	***74077***	***0***	***474271***	***0***	
	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***		
	Private /Contractual	***Total***	***28446***	***52863***	***59003***	***0***	***0***	***12571***	***71775***	***0***	***224658***		
	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
	All Agencies	***Total***	***93154***	***66939***	***123324***	***51044***	***70121***	***613853***	***161620***	***4370***	***1184425***	***54063***	***15071***
2021-22 (XIIIth Plan)	Departmental	CIL	35155		50535	20911	53563	171605	5678		***337447***		
	Departmental	Non-CIL	26884		1215	16178	6730	4799	44452		***100258***		
	Departmental	Pvt. Blocks									***0***		
	Departmental	***Total***	***62039***	***0***	***51750***	***37089***	***60293***	***176404***	***50130***	***0***	***437705***	***0***	0
	MECL	CIL	0		5209	1654		10101			***16964***		
	MECL	Non-CIL	1448		29867			90115			***121430***		1220
	CG/MP/Odisha Govt.	CIL							1079		***1079***		
	Private /Contractual	CIL	2587	8962	2242				28797		***42588***		
	Private /Contractual	Non-CIL		17893				304	30914		***49111***		
	Private /Contractual	***Total***	***2587***	***26855***	***2242***	***0***	***0***	***304***	***59711***	***0***	***91699***	***0***	**0**
	All Agencies	CIL	37742	8962	57986	22565	53563	181706	35554	0	**398078**	0	0
	All Agencies	Non-CIL	28332	17893	31082	16178	6730	95218	75366	0	**270799**	0	1220
	All Agencies	***Total***	***66074***	***26855***	***89068***	***38743***	***60293***	***276924***	***110920***	***0***	***668877***	***0***	***1220***

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Table 2.9 : Detailed Exploration (Drilling in Meters) During IXth to XIVth 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)
2017-22 Total (XIIIth Plan)	Departmental	CIL	215121	0	179687	67943	231044	786566	67180	0	1547541	0	0
	Departmental	Non-CIL	104265	0	62540	139082	148164	73410	269088	0	796549	0	0
	Departmental	Pvt. Blocks	0	0	0	0	0	0	0	0	0	0	0
	Departmental	*Total*	*319386*	*0*	*242227*	*207025*	*379208*	*859976*	*336268*	*0*	*2344090*	*0*	0
	MECL	CIL	39740	24176	5209	77015	0	621957	0	0	768097	0	0
	MECL	Non-CIL	24745	0	42342	0	0	1083022	14412	5770	1170291	352052	16291
	CG/MP/Odisha Govt.	CIL	0	0	0	0	0	0	9256	0	9256	0	0
	Private /Contractual	CIL	196969	120625	213181	0	153236	144969	79950	0	908930	0	0
	Private /Contractual	Non-CIL	212743	17893	53391	12900	952	96867	148890	0	543636	0	0
	Private /Contractual	*Total*	*409712*	*138518*	*266572*	*12900*	*154188*	*241836*	*228840*	*0*	*1452566*	*0*	0
	All Agencies	CIL	451830	144801	398077	144958	384280	1553492	156386	0	3233824	0	0
	All Agencies	Non-CIL	341753	17893	158273	151982	149116	1253299	432390	5770	2510476	352052	16291
	All Agencies	*Total*	*793583*	*162694*	*556350*	*296940*	*533396*	*2806791*	*588776*	*5770*	*5744300*	*352052*	*16291*
2022-23 (XIVth Plan)	Departmental	CIL	34582	0	57828	45517	157312	21199	4031	0	320469		
	Departmental	Non-CIL	17833	0	0	13301	23597	16690	21770	0	93191		
	Departmental	Pvt. Blocks									0		
	Departmental	*Total*	*52415*	*0*	*57828*	*58818*	*180909*	*37889*	*25801*	*0*	*413660*	*0*	0
	MECL	CIL	0	0	2077	0	2858	0	0	0	4935		
	MECL	Non-CIL	46611	0	14787	0	61534	0	0	0	122931	34103	1220
	CG/MP/Odisha Govt.	CIL							616		616		
	Private /Contractual	CIL	0	0	0	0	0	0	812	0	812		
	Private /Contractual	Non-CIL	0	0	0	0	0	0	11441	1255	12696		
	Private /Contractual	*Total*	*0*	*0*	*0*	*0*	*0*	*0*	*12253*	*1255*	*13507*	*0*	0
	All Agencies	CIL	34582	0	59905	45517	160170	21199	5459	0	326831	0	0
	All Agencies	Non-CIL	64444	0	14787	13301	85131	16690	33211	1255	228818	34103	1220
	All Agencies	*Total*	*99026*	*0*	*74692*	*58818*	*245300*	*37889*	*38670*	*1255*	*555649*	*34103*	*1220*

03. PRODUCTION & PRODUCTIVITY

Section III

Production & Productivity

3.1 Production

3.1.1 In 2022-23, the production of raw coal in India was 893.191 MT, showing an increase of 14.78% over the previous year. In the same year production of lignite was 44.029, showing a decrease of 7.29% over 2021-22.

3.1.2 Statement 3.1 shows the production of coal in 2022-23 by different companies.

Statement 3.1: Raw Coal Production in India by Company

Company	Coal Production (2022-23) [MT]		
	Coking	Non-Coking	Total
ECL	0.007	35.011	35.018
BCCL	33.716	2.463	36.179
CCL	20.554	55.533	76.087
NCL	0	131.169	131.169
WCL	0.094	64.189	64.283
SECL*	0.247	166.759	167.006
MCL	0	193.262	193.262
NEC	0	0.200	0.200
CIL	**54.618**	**648.586**	**703.204**
SCCL	0	67.137	67.137
Other Public	0.372	83.149	83.521
Total Public	**54.990**	**798.872**	**853.862**
Total Private	**5.769**	**33.560**	**39.329**
All India	**60.759**	**832.432**	**893.191**

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

It can be seen that Coal India Ltd. accounted for 78.73% of coal production in the country. The share of SCCL in coal production was 7.52%. Contribution from the Public Sector and Private Sector was 95.60% and 4.40% respectively. The major contributions to the total coal production of the country in 2022-23 were from MCL (21.64%), SECL (18.70%), NCL (14.69%), CCL (8.52%), SCCL (7.52%) and WCL (7.20%). The production from these six companies collectively accounted for 78.25% 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 (93.20%).

3.1.3 Statement 3.2 shows the coal production in India during 2022-23 by different states. From this statement, it can be observed that the four major coal producing states were Odisha (24.52%), Chhattisgarh (20.70%), Jharkhand (17.52%), and Madhya Pradesh (16.35%). These four states together accounted for about 79.09% of the total coal production in the country.

Statement 3.2: Raw Coal Production in India by State

States	Coal Production (2022-23) [MT]		
	Coking	Non-coking	Total
Assam	-	0.200	**0.200**
Chhattisgarh	0.247	184.648	**184.895**
Jammu & Kashmir	-	0.010	**0.010**
Jharkhand	60.418	96.065	**156.483**
Madhya Pradesh	0.094	145.935	**146.029**
Maharashtra	-	63.620	**63.620**
Odisha	-	218.981	**218.981**
Telangana	-	69.637	**69.637**
Uttar Pradesh	-	20.540	**20.540**
West Bengal	-	32.796	**32.796**
Total	**60.759**	**832.432**	**893.191**

3.1.4 Statement 3.2 also shows that almost all coking coal was produced in the state of Jharkhand which accounted for 99.44% of the total coking coal production. It can be seen from Table 3.2 that during 2022-23, the production of coking coal registered an increase of 17.52% over 2021-22 whereas production of non-coking coal increased by 14.58%.

3.1.5 From table 3.19 it can be observed that in 2022-23, the production from the open-cast system of mining accounted for 96.10% of the total coal production, and the rest 3.90% 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 91.22% in 2013-14 to 96.10% in 2022-23 whereas in case of Under Ground mining the share has a decreasing trend, 8.78% in 2013-14 to 3.90% in 2022-23.

3.1.6 From table 3.3, it can be seen that the total production of coal products Increased from 26.542 MT in 2021-22 to 27.467 MT in 2022-23. It can also be seen that in 2022-23, the production of washed coking coal increased by 12.95% and washed non-coking coal decreased by 7.89% over the previous year. The production of coking coal middlings increased by 54.35% from 2021-22. In 2022-23, the production of washed coal (coking and non-coking) was 21.554 MT against the total raw coal production of 893.191 MT in 2022-23.

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 2022-23, the stripping ratio at all India level was 2.84 while it was 2.71 in 2021-22. The stripping ratio of CIL was 2.40 and of SCCL was 6.84 in 2022-23. The stripping ratio for the Public Sector was 2.79 and for the Private Sector was 3.91. In the case of CIL subsidiaries, MCL reported the lowest stripping ratio 1.19 whereas NEC reported the highest stripping ratio of 9.73.

3.1.8 Output Per Man Shift (OMS) is one of the measures of efficiency for production. Table 3.23 shows OMS for 2022-23 of the two major players in the Public Sector, namely, CIL and SCCL by type of mining. It is seen that during 2022-23, in respect of Open Cast mining, OMS (in Tonnes) of CIL was 22.99 and of SCCL was 13.94.

In the case of Under Ground mining, OMS (in Tonnes) of CIL was 1.05 and SCCL was 1.27.

Statement 3.3: OMS (Tonnes)in OC & UG Mines in 2021-22 & 2022-23 for CIL & SCCL

Year	Company	2021-22	2022-23
OMS (OC)	CIL	15.23	22.99
	SCCL	15.15	13.94
OMS (UG)	CIL	0.98	1.05
	SCCL	1.19	1.27
OMS (Overall)	**CIL**	**9.54**	**13.10**
	SCCL	**6.09**	**5.31**

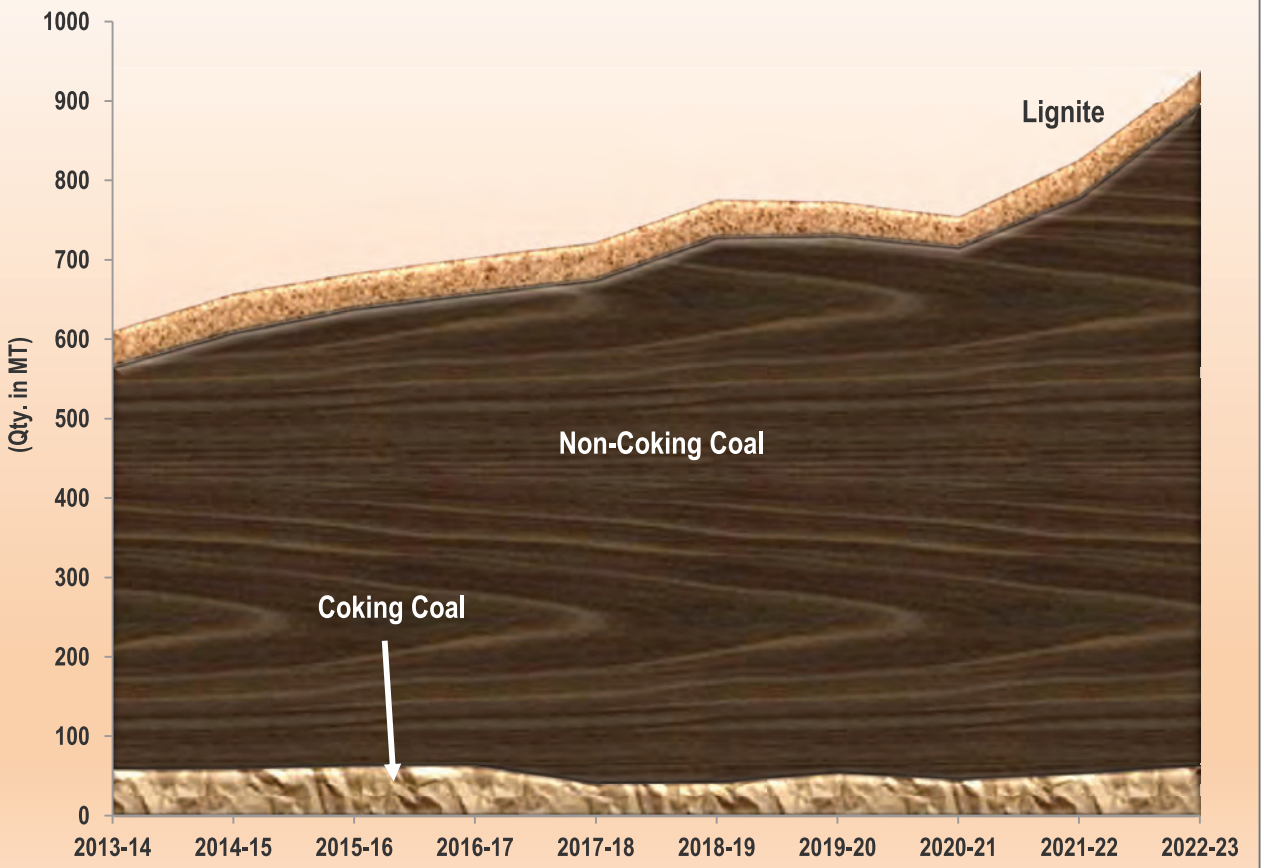
3.2 Lignite Production

3.2.1 Statement 3.4 shows production of lignite by different companies in 2021-22 and 2022-23. It can be seen that in case of lignite the three major companies were NLC, GMDCL and BLMCL which contributed 53.44%, 17.22% and 13.58% respectively to the total lignite production of 2022-23.

Statement 3.4: Lignite Production (MT) in India by Company in 2021-22 and 2022-23

Company	2021-22	2022-23
NLC	25.113	23.530
GMDCL	8.555	7.580
GIPCL	2.910	3.050
RSMML	1.981	1.208
GHCL	0.081	0.125
VSLPPL	1.000	1.000
BLMCL	6.067	5.978
GPCL	1.785	1.558
All India	**47.492**	**44.029**

Chart III.I : Area Graph - Trend of Production of Different Type of Raw Coal and Lignite from 2013-14 to 2022-23

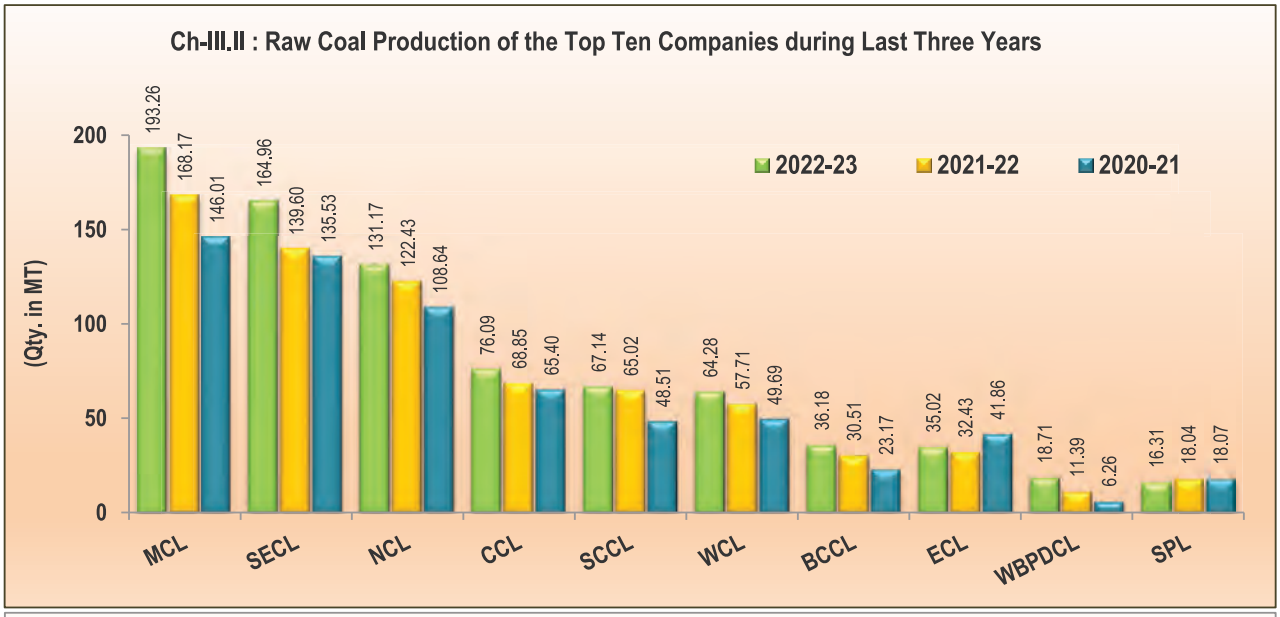


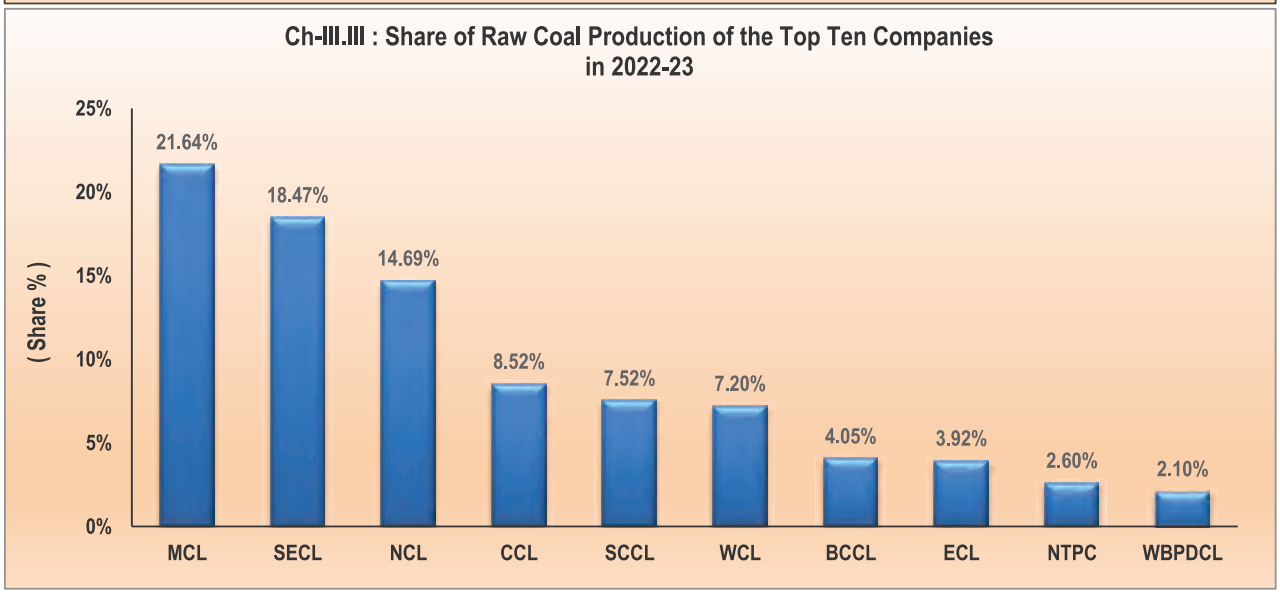
Production of Different Type of Raw Coal and Lignite from 2013-14 to 2022-23

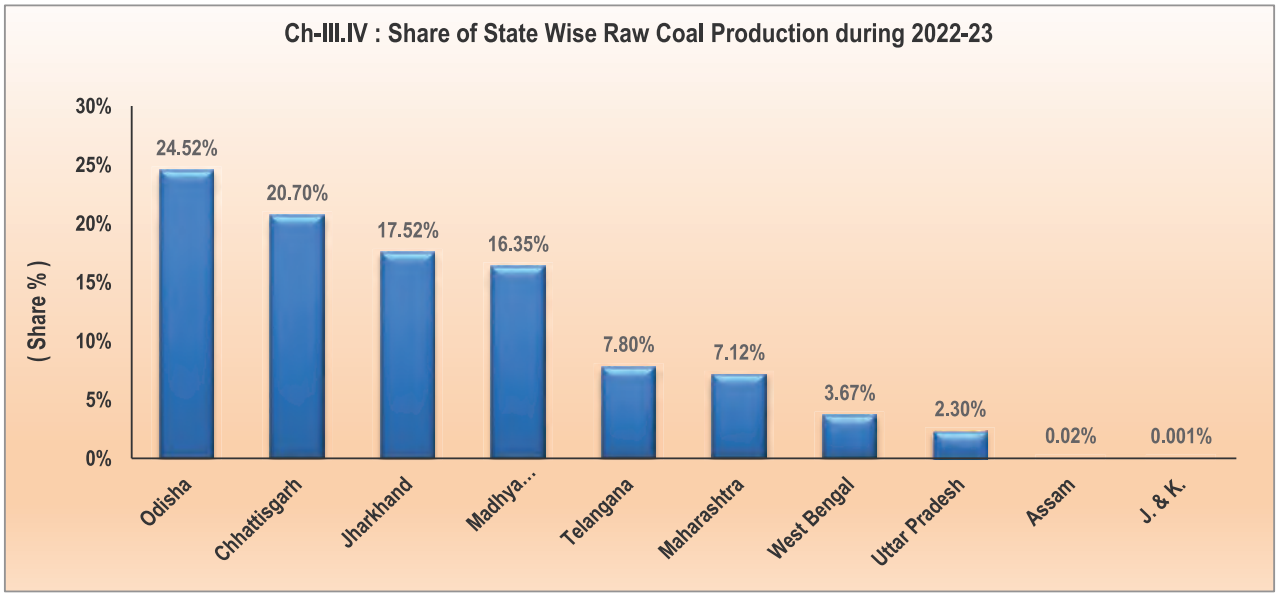
(Qty. in MT)

Year	Coking	Non-Coking	Total Raw Coal	Lignite
(1)	(2)	(3)	(4)	(5)
2013-14	56.818	508.947	**565.765**	44.271
2014-15	57.446	551.733	**609.179**	48.270
2015-16	60.887	578.343	**639.230**	43.842
2016-17	61.661	596.207	**657.868**	45.230
2017-18	40.148	635.252	**675.400**	46.644
2018-19	41.132	687.586	**728.718**	46.644
2019-20	52.936	677.938	**730.874**	42.096
2020-21	44.787	671.296	**716.083**	37.895
2021-22	51.702	726.508	**778.210**	47.492
2022-23	60.759	832.432	**893.191**	44.029

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.





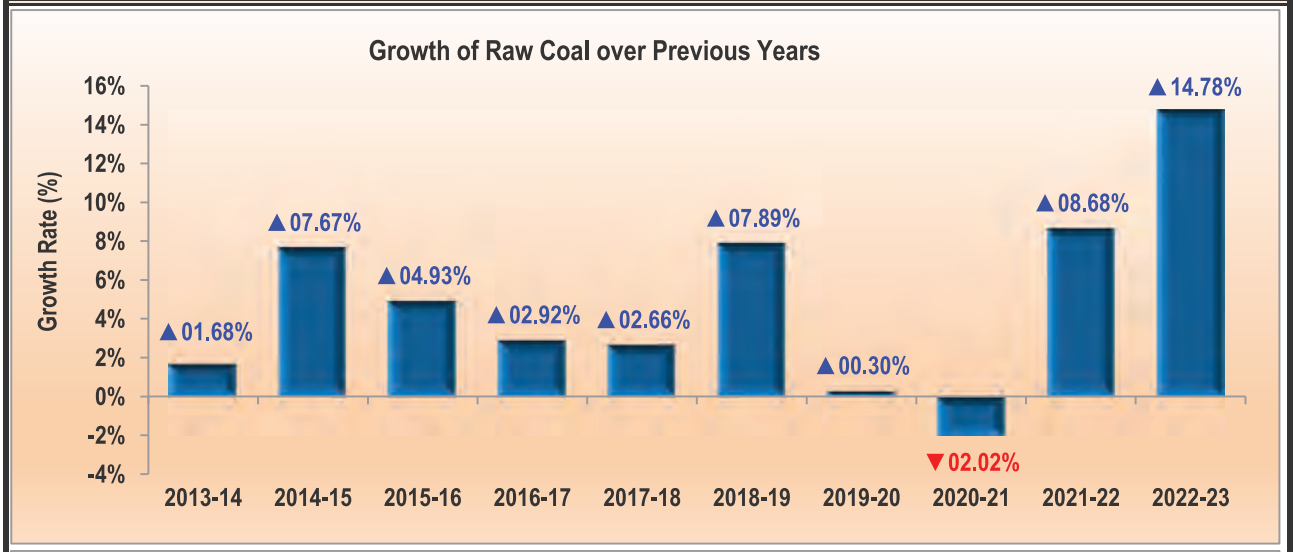


SECL is excluding GP IV/2&3

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

(Qty. in MT)

Year	Raw Coal			Lignite			Total Solid Fossil Fuel	
	Quantity	Share in Total Solid Fossil Fuel (%)	Growth over Previous Year (%)	Quantity	Share in Total Solid Fossil Fuel (%)	Growth over Previous Year (%)	Quantity	Growth over Previous Year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2013-14	565.765	92.74	▲ 01.68%	44.271	7.26	▼ 04.70%	610.036	1.19
2014-15	609.179	92.66	▲ 07.67%	48.270	7.34	▲ 09.03%	657.449	7.77
2015-16	639.230	93.58	▲ 04.93%	43.842	6.42	▼ 09.17%	683.072	3.90
2016-17	657.868	93.57	▲ 02.92%	45.230	6.43	▲ 03.17%	703.098	2.93
2017-18	675.400	93.54	▲ 02.66%	46.644	6.46	▲ 03.13%	722.044	2.69
2018-19	728.718	94.27	▲ 07.89%	44.283	5.73	▼ 05.06%	773.001	7.06
2019-20	730.874	94.55	▲ 00.30%	42.096	5.45	▼ 04.94%	772.970	0.00
2020-21	716.083	94.97	▼ 02.02%	37.895	5.03	▼ 09.98%	753.978	-2.46
2021-22	778.210	94.25	▲ 08.68%	47.492	5.75	▲ 25.33%	825.703	9.51
2022-23	893.191	95.30	▲ 14.78%	44.029	4.70	▼ 07.29%	937.220	13.51



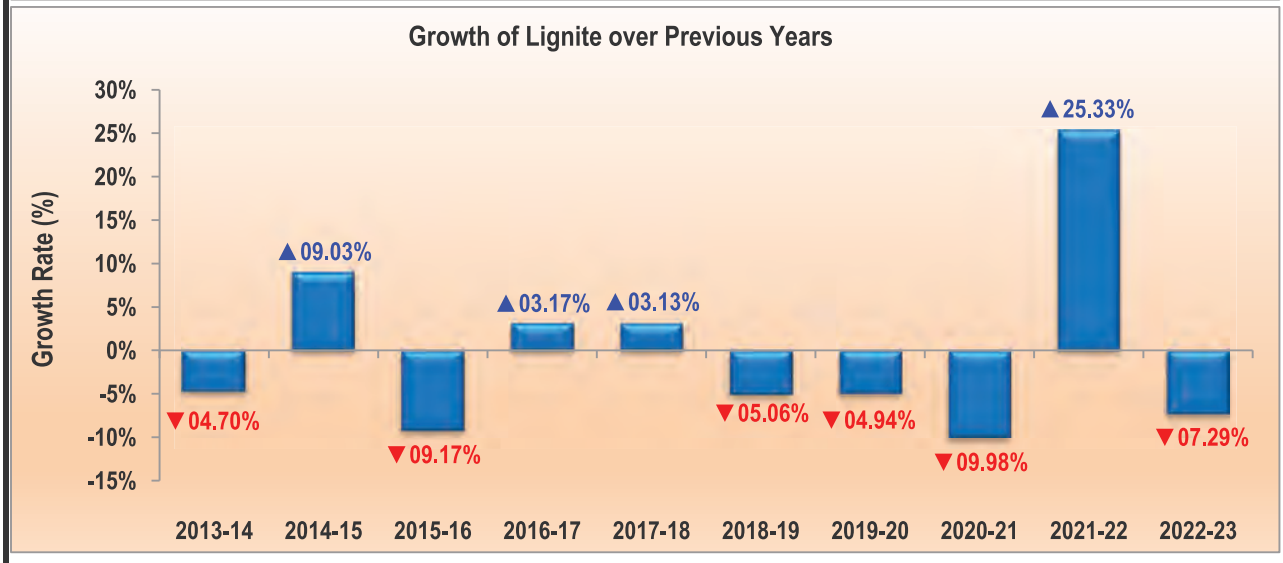
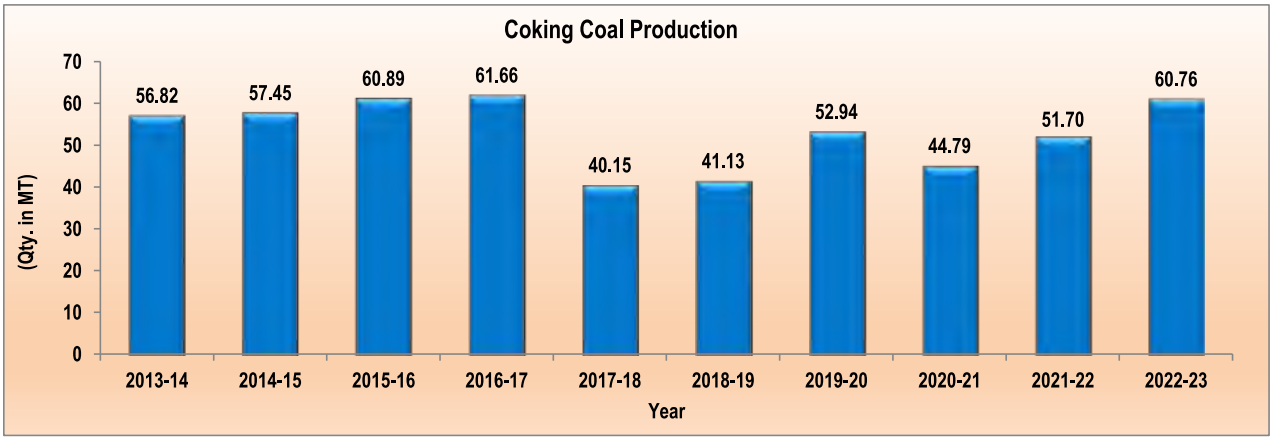


Table 3.2 : Production of Different type of Raw Coal in last Ten Years

Year	Coking Coal									Non-Coking Coal			Total Raw Coal	
	Metallurgical Coal			Non-Metallurgical Coal			Total Coking Coal							
	Quantity	Share in Coking Coal (%)	Growth over Previous Year (%)	Quantity	Share in Coking Coal (%)	Growth over Previous Year (%)	Quantity	Share in Total Raw Coal (%)	Growth over Previous Year (%)	Quantity	Share in Total Raw Coal (%)	Growth over Previous Year (%)	Quantity	Growth over Previous Year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2013-14	15.114	26.6	▲ 03.90%	41.704	73.4	▲ 12.61%	56.818	10.0	▲ 10.15%	508.947	90.0	▲ 00.82%	565.765	▲ 01.68%
2014-15	13.784	23.99	▼ 08.80%	43.662	76.01	▲ 04.69%	57.446	9.43	▲ 01.11%	551.733	90.57	▲ 08.41%	609.179	▲ 07.67%
2015-16	14.339	23.55	▲ 04.03%	46.548	76.45	▲ 06.61%	60.887	9.53	▲ 05.99%	578.343	90.47	▲ 04.82%	639.230	▲ 04.93%
2016-17	15.254	24.74	▲ 06.38%	46.407	75.26	▼ 00.30%	61.661	9.37	▲ 01.27%	596.207	90.63	▲ 03.09%	657.868	▲ 02.92%
2017-18	33.884	84.40	▲ 122.13%	6.264	15.60	▼ 86.50%	40.148	5.94	▼ 34.89%	635.252	94.06	▲ 06.55%	675.400	▲ 02.66%
2018-19	35.084	85.30	▲ 03.54%	6.048	14.70	▼ 03.45%	41.132	5.64	▲ 02.45%	687.586	94.36	▲ 08.24%	728.718	▲ 07.89%
2019-20	35.451	66.97	▲ 01.05%	17.485	33.03	▲ 189.10%	52.936	7.24	▲ 28.70%	677.938	92.76	▼ 01.40%	730.874	▲ 00.30%
2020-21	32.276	72.07	▼ 08.96%	12.511	27.93	▼ 28.45%	44.787	6.25	▼ 15.39%	671.296	93.75	▼ 00.98%	716.083	▼ 02.02%
2021-22	36.907	71.38	▲ 14.35%	14.795	28.62	▲ 18.26%	51.702	6.64	▲ 15.44%	726.508	93.36	▲ 08.22%	778.210	▲ 08.68%
2022-23	43.365	71.37	▲ 17.50%	17.394	28.63	▲ 17.57%	60.759	6.80	▲ 17.52%	832.432	93.20	▲ 14.58%	893.191	▲ 14.78%

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.



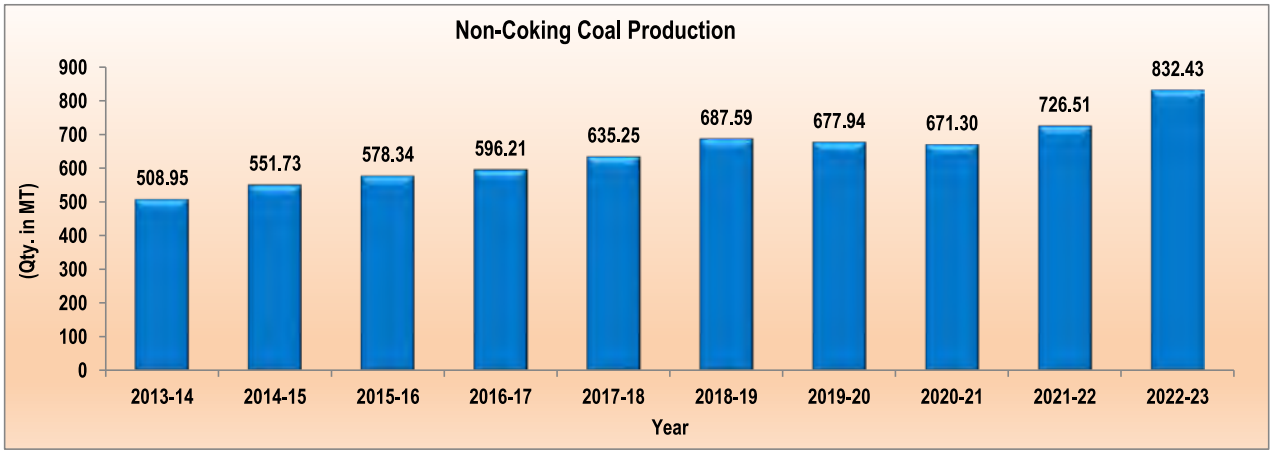
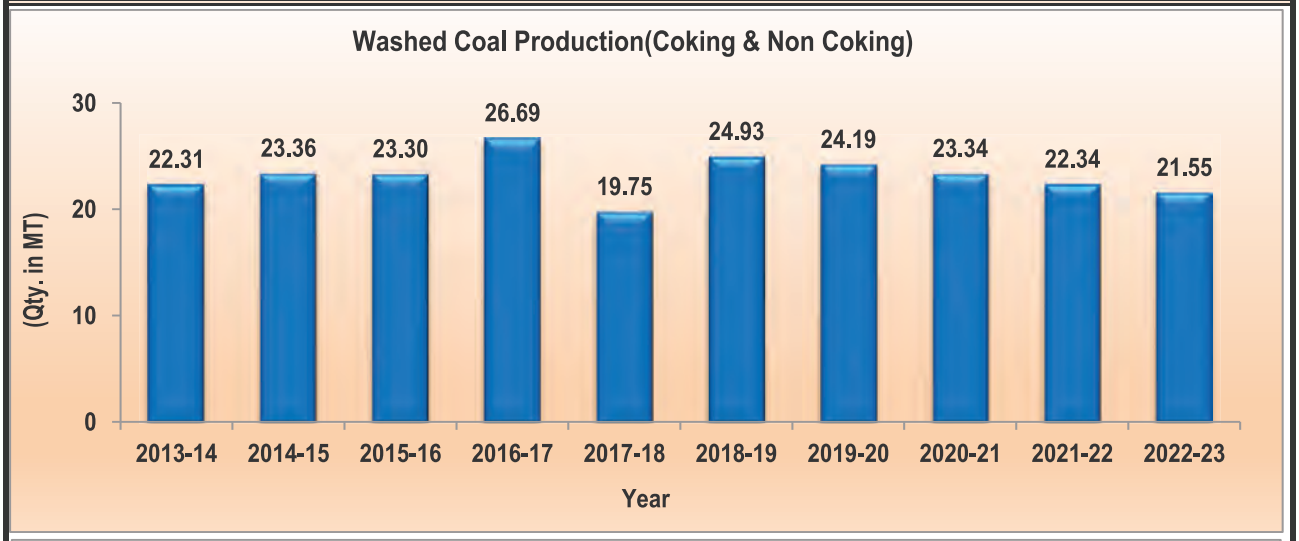
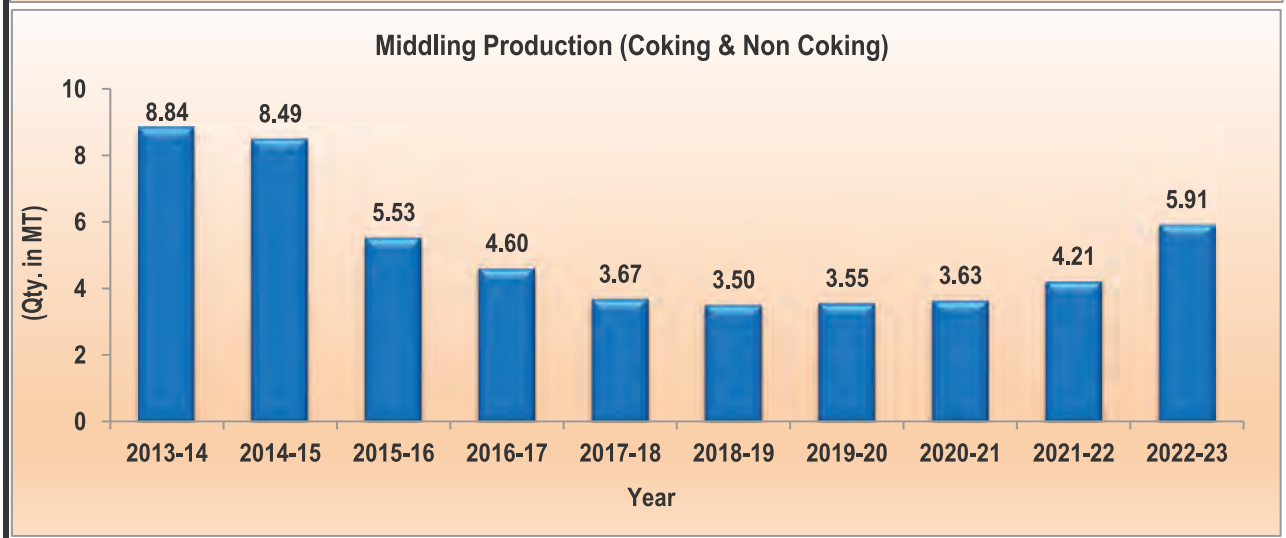


Table 3.3 : Production of Different type of Coal Products in last Ten Years

(Qty. in MT)

Year	Washed Coal (Coking)		Washed Coal (Non-Coking)		Middlings (Coking)		Middlings (Non-Coking)	
	Quantity	Growth over Previous Year (%)	Quantity	Growth over Previous Year (%)	Quantity	Growth over Previous Year (%)	Quantity	Growth over Previous Year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2013-14	6.614	▲ 00.98%	15.699	▲ 10.63%	4.913	▼ 10.08%	3.926	▲ 02.64%
2014-15	6.070	▼ 08.22%	17.294	▲ 10.16%	4.750	▼ 03.32%	3.742	▼ 04.69%
2015-16	6.182	▲ 01.85%	17.119	▼ 01.01%	5.525	▲ 16.32%	0.000	▼ 100.00%
2016-17	6.414	▲ 03.75%	20.274	▲ 18.43%	4.598	▼ 16.78%	0.000	
2017-18	5.753	▼ 10.31%	13.999	▼ 30.95%	3.670	▼ 20.18%	0.000	
2018-19	5.570	▼ 03.18%	19.363	▲ 38.32%	3.502	▼ 04.58%	0.000	
2019-20	5.285	▼ 05.12%	18.903	▼ 02.38%	3.547	▲ 01.28%	0.000	
2020-21	4.903	▼ 07.23%	18.433	▼ 02.49%	3.623	▲ 02.14%	0.006	
2021-22	4.701	▼ 04.12%	17.636	▼ 04.32%	2.442	▼ 32.59%	1.764	▲ 29296.35%
2022-23	5.310	▲ 12.95%	16.244	▼ 07.89%	3.770	▲ 54.35%	2.143	▲ 21.50%





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

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		
	Quantity	Growth*	Share**	Quantity	Growth*	Share**	Quantity	Growth*	Share**	Quantity	Growth*	Share**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2020-21												
1st Quarter	8.807	▼ 25.43%	19.66	135.589	▼ 13.68%	20.20	**144.396**	▼ 14.50%	20.16	9.085	▼ 06.65%	23.97
2nd Quarter	9.628	▼ 10.19%	21.50	128.389	▲ 07.33%	19.13	**138.017**	▲ 05.89%	19.27	6.952	▼ 20.48%	18.35
3rd Quarter	12.453	▼ 01.17%	27.80	176.973	▲ 04.81%	26.36	**189.426**	▲ 04.40%	26.45	8.858	▼ 14.17%	23.38
4th Quarter	13.899	▼ 21.94%	31.03	230.345	▼ 00.89%	34.31	**244.244**	▼ 02.38%	34.11	13.000	▼ 02.27%	34.31
All India	**44.787**	**▼ 15.39%**	**100.00**	**671.296**	**▼ 00.98%**	**100.00**	**716.083**	**▼ 02.02%**	**100.00**	**37.895**	**▼ 09.98%**	**100.00**
2021-22												
1st Quarter	10.061	▲ 14.24%	19.46	146.049	▲ 07.71%	20.10	**156.110**	▲ 08.11%	20.06	10.060	▲ 10.73%	21.18
2nd Quarter	10.272	▲ 06.69%	19.87	149.618	▲ 16.54%	20.59	**159.890**	▲ 15.85%	20.55	11.132	▲ 60.13%	23.44
3rd Quarter	12.649	▲ 01.58%	24.47	194.132	▲ 09.70%	26.72	**206.781**	▲ 09.16%	26.57	10.892	▲ 22.96%	22.93
4th Quarter	18.720	▲ 34.69%	36.21	236.709	▲ 02.76%	32.58	**255.429**	▲ 04.58%	32.82	15.408	▲ 18.53%	32.44
All India	**51.702**	**▲ 15.44%**	**100.00**	**726.508**	**▲ 08.22%**	**100.00**	**778.210**	**▲ 08.68%**	**100.00**	**47.492**	**▲ 25.33%**	**100.00**
2022-23												
1st Quarter	12.832	▲ 27.54%	21.12	192.939	▲ 32.11%	23.18	**205.771**	▲ 31.81%	23.04	12.456	▲ 23.82%	28.29
2nd Quarter	12.826	▲ 24.86%	21.11	163.572	▲ 09.33%	19.65	**176.398**	▲ 10.32%	19.75	8.924	▼ 19.84%	20.27
3rd Quarter	16.078	▲ 27.11%	26.46	210.348	▲ 08.35%	25.27	**226.426**	▲ 09.50%	25.35	10.009	▼ 08.10%	22.73
4th Quarter	19.023	▲ 01.62%	31.31	265.573	▲ 12.19%	31.90	**284.596**	▲ 11.42%	31.86	12.640	▼ 17.97%	28.71
All India	**60.759**	**▲ 17.52%**	**100.00**	**832.432**	**▲ 14.58%**	**100.00**	**893.191**	**▲ 14.78%**	**100.00**	**44.029**	**▼ 07.29%**	**100.00**

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

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

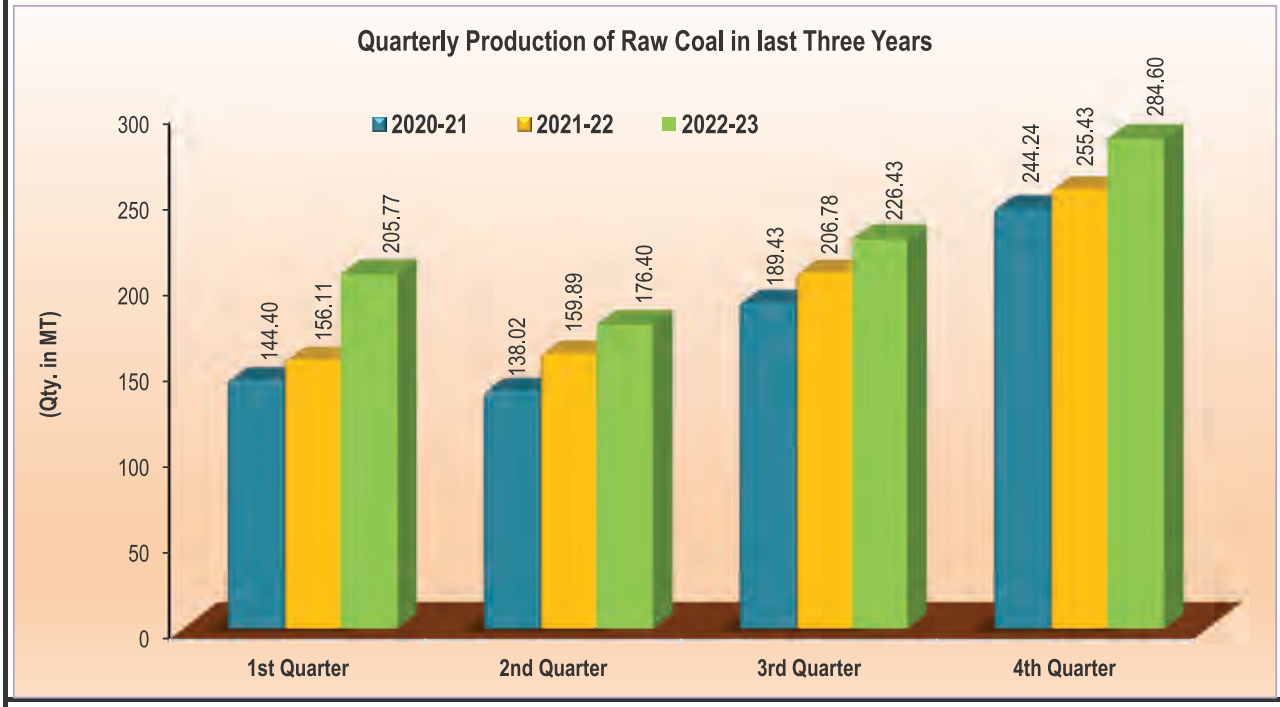
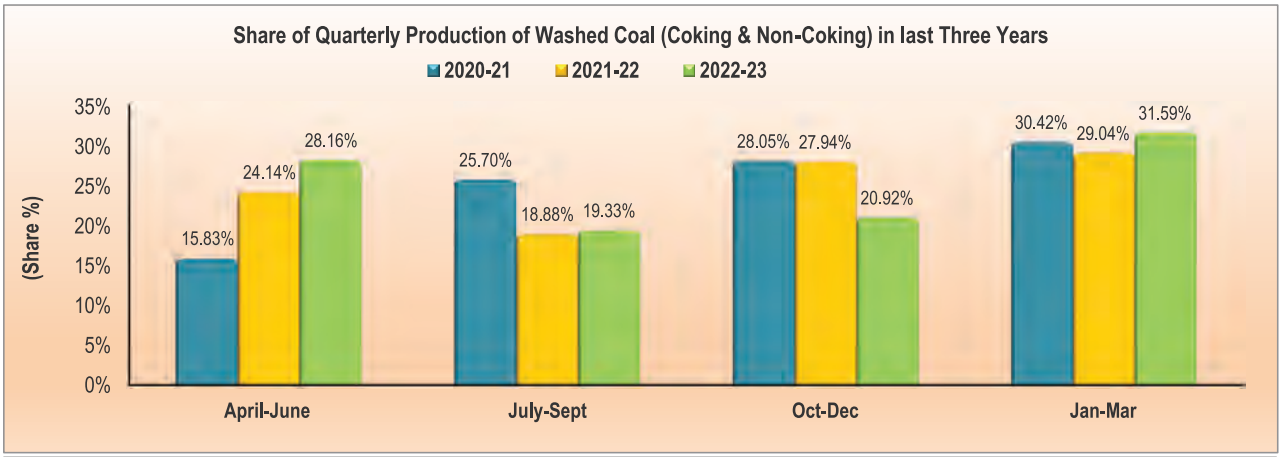


Table 3.5 : Quarterly Production of different type of Coal Products in last Three Years

(Qty. in MT)

Year & Quarter	Washed Coal (Coking)			Washed Coal (Non-coking)			Middling (Coking)			Middling (Non-Coking)		
	Quantity	Growth*	Share**	Quantity	Growth*	Share**	Quantity	Growth*	Share**	Quantity	Growth*	Share**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2020-21												
1st Quarter	1.251	▼ 17.91%	25.51	2.444	▼ 42.39%	13.26	0.851	▼ 23.88%	23.49	0.003	▲ 100.00%	-
2nd Quarter	1.234	▼ 05.59%	25.17	4.763	▲ 31.25%	25.84	0.843	▼ 05.92%	23.27	0.003	▲ 100.00%	-
3rd Quarter	1.285	▲ 07.98%	26.21	5.261	▲ 01.43%	28.54	1.052	▲ 46.11%	29.04	0.000	-	-
4th Quarter	1.133	▼ 10.36%	23.11	5.965	▲ 02.05%	32.36	0.877	▲ 07.87%	24.21	0.000	-	-
All India	**4.903**	▼ 07.23%	**100.00**	**18.433**	▼ 02.49%	**100.00**	**3.623**	▲ 02.14%	**100.00**	**0.006**	-	-
2021-22												
1st Quarter	1.030	▼ 17.67%	21.910	4.362	▲ 78.47%	24.732	0.595	▼ 30.13%	24.345	0.395	▲ 13065.40%	22.393
2nd Quarter	1.249	▲ 01.22%	26.569	2.967	▼ 37.70%	16.826	0.530	▼ 37.19%	21.680	0.309	▲ 10208.03%	17.533
3rd Quarter	1.162	▼ 09.57%	24.718	5.080	▼ 03.44%	28.804	0.576	▼ 45.27%	23.574	0.459	▲ 100.00%	26.031
4th Quarter	1.260	▲ 11.21%	26.803	5.227	▼ 12.37%	29.639	0.743	▼ 15.33%	30.402	0.600	▲ 100.00%	34.043
All India	**4.701**	▼ 04.12%	**100.00**	**17.636**	▼ 04.32%	**100.00**	**2.442**	▼ 32.59%	**100.00**	**1.764**	▲ 29296.35%	100.00
2022-23												
1st Quarter	1.151	▲ 11.75%	21.676	4.918	▲ 12.75%	30.276	0.765	▲ 28.66%	20.292	0.561	▲ 42.04%	26.178
2nd Quarter	1.178	▼ 05.68%	22.185	2.988	▲ 00.69%	18.394	0.827	▲ 56.18%	21.936	0.377	▲ 21.91%	17.592
3rd Quarter	1.453	▲ 25.04%	27.363	3.057	▼ 39.82%	18.819	1.006	▲ 74.72%	26.684	0.549	▲ 19.57%	25.618
4th Quarter	1.528	▲ 21.27%	28.776	5.281	▲ 01.03%	32.510	1.172	▲ 57.84%	31.088	0.656	▲ 09.25%	30.611
All India	**5.310**	▲ 12.95%	**100.00**	**16.244**	▼ 07.89%	**100.00**	**3.770**	▲ 54.35%	**100.00**	**2.143**	▲ 21.50%	100.00

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 & private) of only coal producing companies.



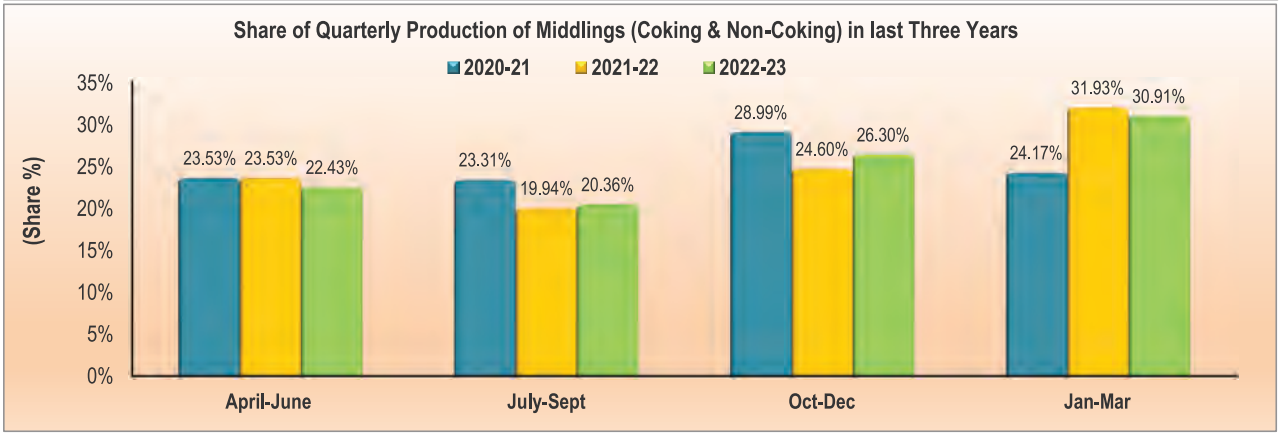
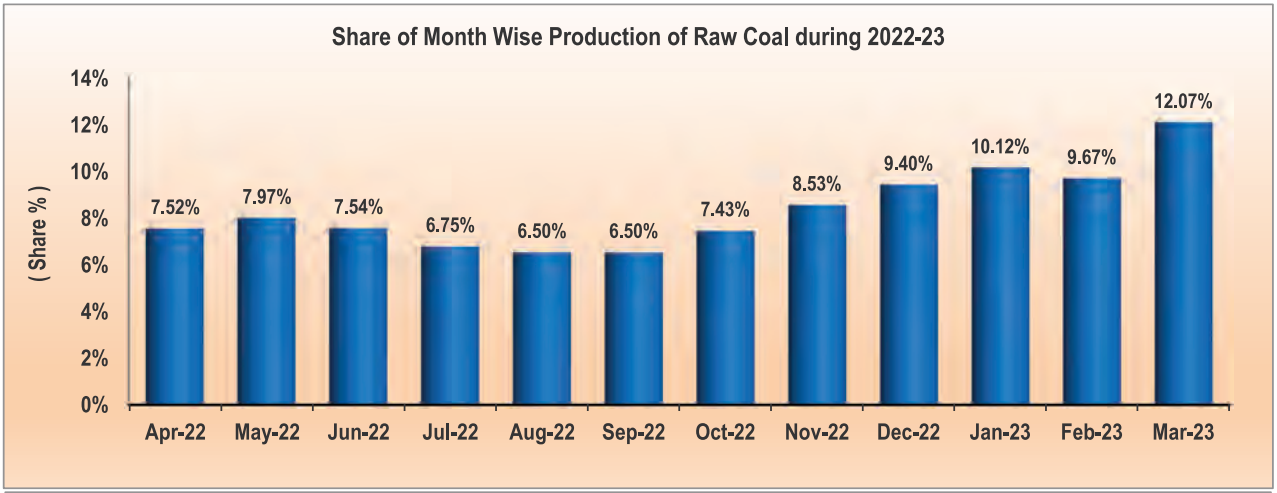


Table 3.6 : Month Wise Production of different type of Raw Coal and Lignite during 2022-23

(Qty. in MT)

Month	Coking Coal			Non-Coking Coal			Total Raw Coal			Lignite		
	Quantity	Growth*	Share**	Quantity	Growth*	Share**	Quantity	Growth*	Share**	Quantity	Growth*	Share**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Apr-22	4.138	▲ 15.18%	6.81	63.066	▲ 31.21%	7.58	67.204	▲ 30.09%	7.52	3.580	▲ 14.08%	8.13
May-22	4.207	▲ 21.40%	6.92	67.003	▲ 34.30%	8.05	71.210	▲ 33.46%	7.97	4.258	▲ 28.06%	9.67
Jun-22	4.487	▲ 49.42%	7.38	62.870	▲ 30.73%	7.55	67.357	▲ 31.83%	7.54	4.618	▲ 28.39%	10.49
1st Quarter	**12.832**	▲ 27.54%	**21.12**	**192.939**	▲ 32.11%	**23.18**	**205.771**	▲ 31.81%	**23.04**	**12.456**	▲ 23.82%	**28.29**
Jul-22	4.397	▲ 29.12%	7.24	55.905	▲ 09.93%	6.72	60.302	▲ 11.13%	6.75	3.270	▼ 16.55%	7.43
Aug-22	4.151	▲ 21.29%	6.83	53.911	▲ 06.86%	6.48	58.062	▲ 07.78%	6.50	2.921	▼ 20.90%	6.63
Sep-22	4.278	▲ 24.20%	7.04	53.756	▲ 11.27%	6.46	58.034	▲ 12.13%	6.50	2.733	▼ 22.37%	6.21
2nd Quarter	**12.826**	▲ 24.86%	**21.11**	**163.572**	▲ 09.33%	**19.65**	**176.398**	▲ 10.32%	**19.75**	**8.924**	▼ 19.84%	**20.27**
Oct-22	4.696	▲ 26.56%	7.73	61.633	▲ 02.32%	7.40	66.329	▲ 03.73%	7.43	3.315	▼ 10.97%	7.53
Nov-22	5.562	▲ 33.86%	9.15	70.605	▲ 10.63%	8.48	76.167	▲ 12.05%	8.53	3.231	▼ 01.26%	7.34
Dec-22	5.820	▲ 21.66%	9.58	78.110	▲ 11.47%	9.38	83.930	▲ 12.12%	9.40	3.463	▼ 11.12%	7.87
3rd Quarter	**16.078**	▲ 27.11%	**26.46**	**210.348**	▲ 08.35%	**25.27**	**226.426**	▲ 09.50%	**25.35**	**10.009**	▼ 08.10%	**22.73**
Jan-23	5.756	▲ 05.04%	9.47	84.663	▲ 14.08%	10.17	90.419	▲ 13.46%	10.12	3.985	▼ 13.56%	9.05
Feb-23	5.936	▲ 05.27%	9.77	80.432	▲ 08.92%	9.66	86.368	▲ 08.67%	9.67	4.052	▼ 13.80%	9.20
Mar-23	7.331	▼ 03.55%	12.07	100.478	▲ 13.33%	12.07	107.809	▲ 12.00%	12.07	4.603	▼ 24.51%	10.45
4th Quarter	**19.023**	▲ 01.62%	**31.31**	**265.573**	▲ 12.19%	**31.90**	**284.596**	▲ 11.42%	**31.86**	**12.640**	▼ 17.97%	**28.71**
All India	**60.759**	▲ 17.52%	**100.00**	**832.432**	▲ 14.58%	**100.00**	**893.191**	▲ 14.78%	**100.00**	**44.029**	▼ 07.29%	**100.00**

Note: (1) *Growth (%) is calculated over similar period of last year. (2) **Share (%) is calculated as ratio of yearly production.



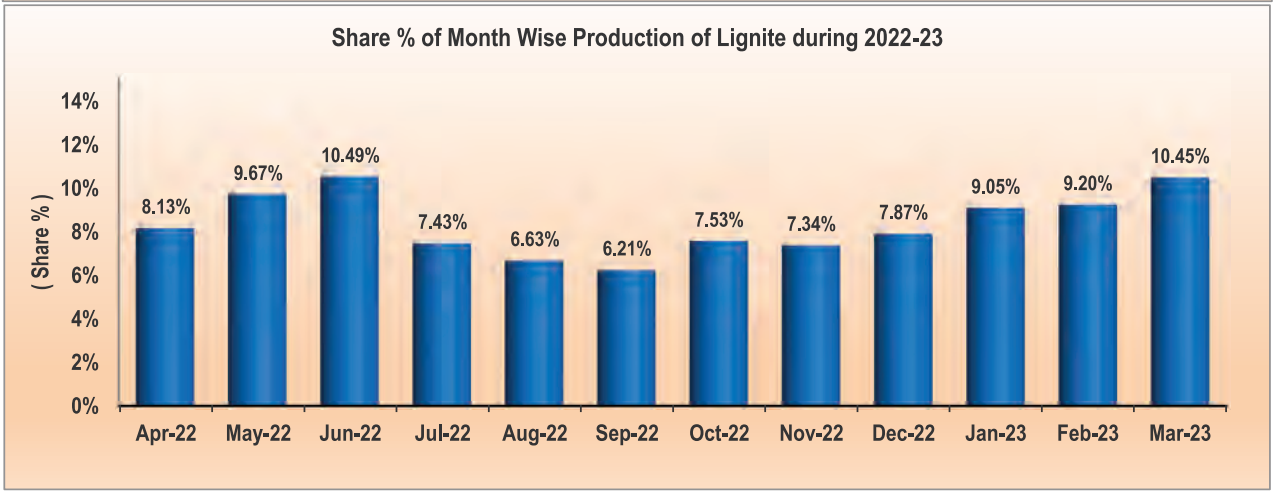
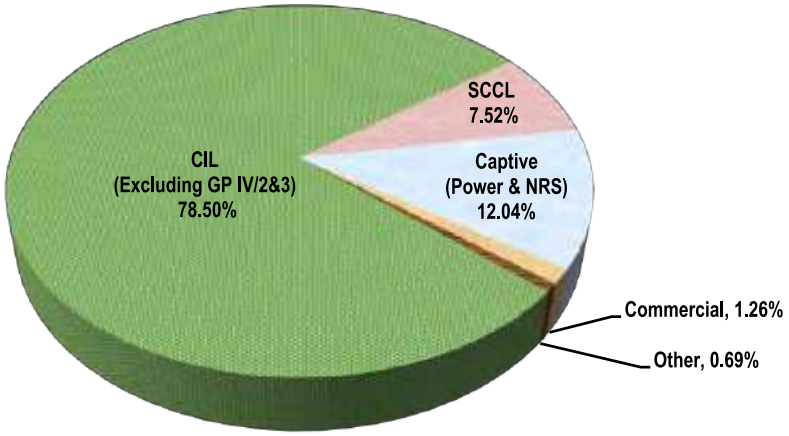


Table 3.7 : Month Wise and Company Wise (CIL, SCCL, Captive, Commercial & Other) Raw Coal Production during 2022-23

(Qty. in MT)

Month	CIL (Excluding GP IV/2&3)		SCCL		Captive (Power & NRS)		Commercial		Other		All India	
	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
April	53.197	79.16%	5.323	7.92%	7.450	11.09%	0.801	1.19%	0.433	0.64%	**67.204**	▲ 30.09%
May	54.478	76.50%	6.033	8.47%	9.416	13.22%	0.868	1.22%	0.415	0.58%	**71.210**	▲ 33.37%
June	51.347	76.23%	5.560	8.25%	9.153	13.59%	0.845	1.25%	0.452	0.67%	**67.357**	▲ 31.77%
July	47.168	78.22%	3.285	5.45%	8.727	14.47%	0.646	1.07%	0.476	0.79%	**60.302**	▲ 11.18%
August	46.220	79.60%	4.098	7.06%	6.873	11.84%	0.428	0.74%	0.443	0.76%	**58.062**	▲ 07.73%
September	45.671	78.70%	4.928	8.49%	6.432	11.08%	0.566	0.98%	0.437	0.75%	**58.034**	▲ 12.04%
October	52.943	79.82%	5.216	7.86%	6.914	10.42%	0.728	1.10%	0.528	0.80%	**66.329**	▲ 03.67%
November	60.635	79.61%	6.052	7.95%	8.094	10.63%	0.749	0.98%	0.637	0.84%	**76.167**	▲ 12.03%
December	66.167	78.84%	6.732	8.02%	9.414	11.22%	1.029	1.23%	0.588	0.70%	**83.930**	▲ 12.05%
January	71.587	79.17%	6.872	7.60%	10.040	11.10%	1.317	1.46%	0.603	0.67%	**90.419**	▲ 13.71%
February	68.536	79.35%	6.028	6.98%	9.669	11.20%	1.522	1.76%	0.613	0.71%	**86.368**	▲ 08.65%
March	83.204	77.18%	7.010	6.50%	15.328	14.22%	1.722	1.60%	0.545	0.51%	**107.809**	▲ 12.06%
Total 2022-23	**701.153**	**78.50%**	**67.137**	**7.52%**	**107.510**	**12.04%**	**11.221**	**1.26%**	**6.170**	**0.69%**	893.191	▲ 14.78%

Share of Company Wise (CIL, SCCL, Captive, Commercial & Other) Raw Coal Production durin 2022-23



Share of Month Wise Raw Coal Prodution in India during 2022-23

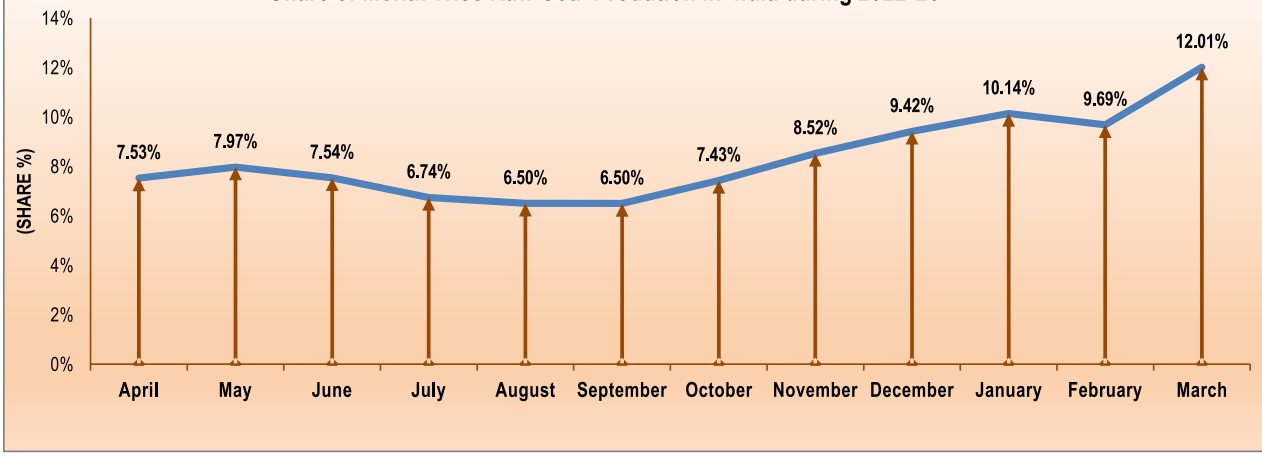
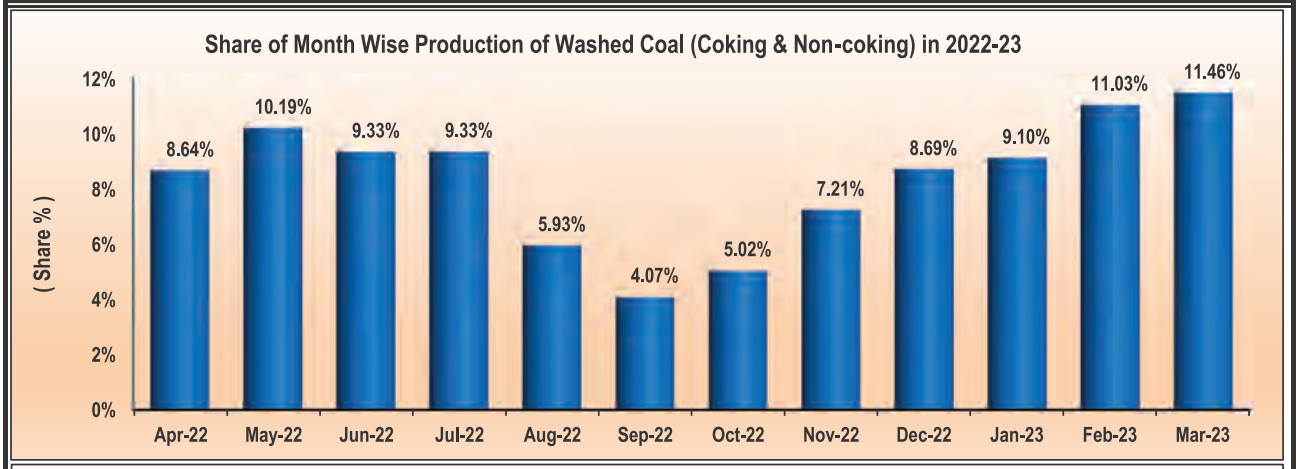


Table 3.8: Month Wise Production of different type of Coal Products during 2022-23

(Qty. in MT)

Month	Washed Coal(Coking)			Washed Coal(N-coking)			Middlings(Coking)			Middlings(N-coking)		
	Quantity	Growth*	Share**	Quantity	Growth*	Share**	Quantity	Growth*	Share**	Quantity	Growth*	Share**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Apr-22	0.413	▲ 26.10%	7.78	1.450	▲ 21.47%	8.93	0.279	▲ 53.55%	7.40	0.164	▲ 06.28%	7.65
May-22	0.363	▼ 00.49%	6.84	1.833	▲ 07.89%	11.28	0.231	▲ 10.75%	6.13	0.187	▲ 37.09%	8.73
Jun-22	0.375	▲ 11.16%	7.06	1.635	▲ 11.29%	10.07	0.255	▲ 24.81%	6.76	0.210	▲ 101.44%	9.80
1st Quarter	**1.151**	▲ 11.79%	**21.68**	**4.918**	▲ 12.75%	**30.28**	**0.765**	▲ 28.66%	**20.29**	**0.561**	▲ 42.04%	**26.18**
Jul-22	0.430	▲ 10.15%	8.10	**1.581**	▲ 78.13%	9.73	0.291	▲ 43.94%	7.72	**0.154**	▲ 81.34%	7.19
Aug-22	0.356	▼ 15.32%	6.70	**0.922**	▲ 07.07%	5.68	0.234	▲ 47.20%	6.21	**0.132**	▲ 47.54%	6.16
Sep-22	0.392	▼ 10.50%	7.38	**0.485**	▼ 60.21%	2.99	0.302	▲ 79.35%	8.01	**0.091**	▼ 32.52%	4.25
2nd Quarter	**1.178**	▼ 05.67%	**22.18**	**2.988**	▲ 00.69%	**18.39**	**0.827**	▲ 56.18%	**21.94**	**0.377**	▲ 21.91%	**17.59**
Oct-22	0.411	▲ 13.61%	7.74	0.671	▼ 59.70%	4.13	0.256	▲ 69.66%	6.79	**0.152**	▲ 01.73%	7.09
Nov-22	0.513	▲ 45.06%	9.66	1.042	▼ 36.40%	6.41	0.370	▲ 92.94%	9.81	**0.190**	▲ 26.74%	8.87
Dec-22	0.529	▲ 18.54%	9.96	1.344	▼ 24.34%	8.27	0.380	▲ 63.01%	10.08	**0.207**	▲ 29.53%	9.66
3rd Quarter	**1.453**	▲ 25.08%	**27.36**	**3.057**	▼ 39.82%	**18.82**	**1.006**	▲ 74.72%	**26.68**	**0.549**	▲ 19.57%	**25.62**
Jan-23	0.532	▲ 25.42%	10.02	1.430	▼ 15.63%	8.80	0.371	▲ 40.84%	9.84	**0.199**	▲ 17.55%	9.29
Feb-23	0.493	▲ 21.04%	9.28	1.884	▲ 10.88%	11.60	0.375	▲ 53.90%	9.95	**0.222**	▲ 29.24%	10.36
Mar-23	0.503	▲ 17.28%	9.47	1.967	▲ 07.31%	12.11	0.426	▲ 80.92%	11.30	0.235	▼ 09.40%	10.97
4th Quarter	**1.528**	▲ 21.24%	**28.78**	**5.281**	▲ 01.03%	**32.51**	**1.172**	▲ 57.84%	**31.09**	**0.656**	▲ 09.25%	**30.61**
All India	**5.310**	▲ 12.97%	**100.00**	**16.244**	▼ 07.89%	**100.00**	**3.770**	▲ 54.35%	**100.00**	**2.143**	▲ 21.50%	**100.00**



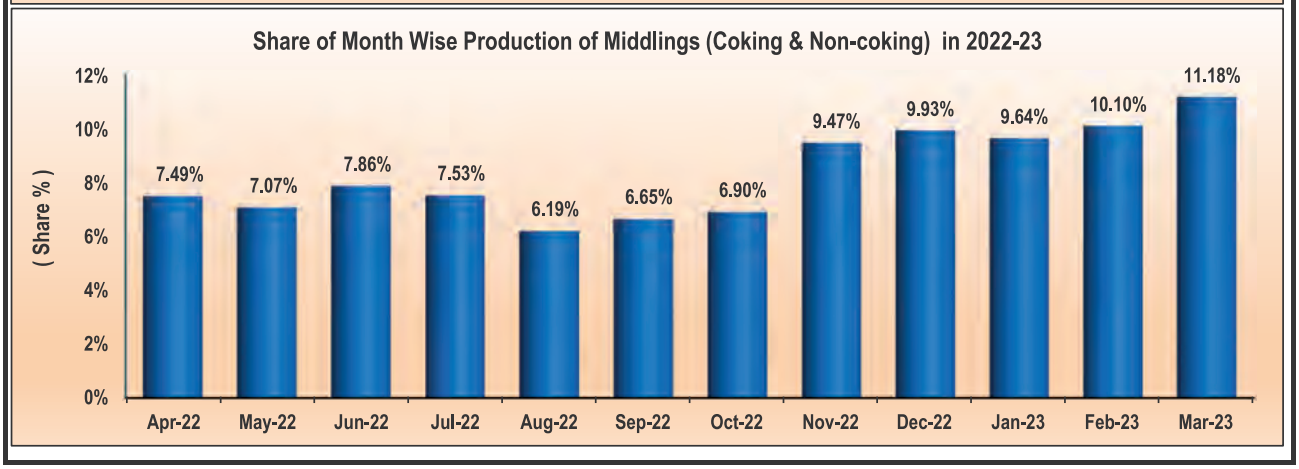


Table 3.9 : State Wise Raw Coal Production in last Ten Years

(Qty. in MT)

Year	Assam			Chhattisgarh			Jammu & Kashmir		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2013-14	0.664	0.12	▲ 09.75%	127.095	22.46	▲ 07.86%	0.019	0.00	▲ 00.00%
2014-15	0.779	0.13	▲ 17.32%	134.764	22.12	▲ 06.03%	0.013	0.00	▼ 31.58%
2015-16	0.487	0.08	▼ 37.48%	130.605	20.43	▼ 03.09%	0.013	0.00	▲ 00.00%
2016-17	0.600	0.09	▲ 23.20%	138.525	21.06	▲ 06.06%	0.010	0.00	▼ 23.08%
2017-18	0.781	0.12	▲ 30.17%	142.546	21.11	▲ 02.90%	0.014	0.00	▲ 40.00%
2018-19	0.784	0.11	▲ 00.38%	161.893	22.22	▲ 13.57%	0.013	0.00	▼ 07.14%
2019-20	0.517	0.07	▼ 34.06%	157.745	21.58	▼ 02.56%	0.014	0.00	▲ 07.69%
2020-21	0.036	0.01	▼ 93.04%	158.410	22.12	▲ 00.42%	0.010	0.00	▼ 28.57%
2021-22	0.028	0.00	▼ 22.22%	154.120	19.80	▼ 02.71%	0.011	0.00	▲ 10.00%
2022-23	0.200	0.02	▲ 614.29%	184.895	20.70	▲ 19.97%	0.010	0.00	▼ 09.09%

Year	Jharkhand			Madhya Pradesh			Maharashtra		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2013-14	113.091	19.99	▲ 01.63%	75.590	13.36	▼ 00.47%	37.223	6.58	▼ 04.88%
2014-15	124.143	20.38	▲ 09.77%	87.609	14.38	▲ 15.90%	38.257	6.28	▲ 02.78%
2015-16	121.067	18.94	▼ 02.48%	107.714	16.85	▲ 22.95%	38.351	6.00	▲ 00.25%
2016-17	126.435	19.22	▲ 04.43%	105.013	15.96	▼ 02.51%	40.559	6.17	▲ 05.76%
2017-18	123.297	18.26	▼ 02.48%	112.127	16.60	▲ 06.77%	42.219	6.25	▲ 04.09%
2018-19	134.666	18.48	▲ 09.22%	118.661	16.28	▲ 05.83%	49.818	6.84	▲ 18.00%
2019-20	131.763	18.03	▼ 02.16%	125.726	17.20	▲ 05.95%	54.746	7.49	▲ 09.89%
2020-21	123.428	17.24	▼ 06.33%	132.531	18.51	▲ 05.41%	47.435	6.62	▼ 13.35%
2021-22	130.104	16.72	▲ 05.41%	137.975	17.73	▲ 04.11%	56.528	7.26	▲ 19.17%
2022-23	156.483	17.52	▲ 20.28%	146.029	16.35	▲ 05.84%	63.620	7.12	▲ 12.55%

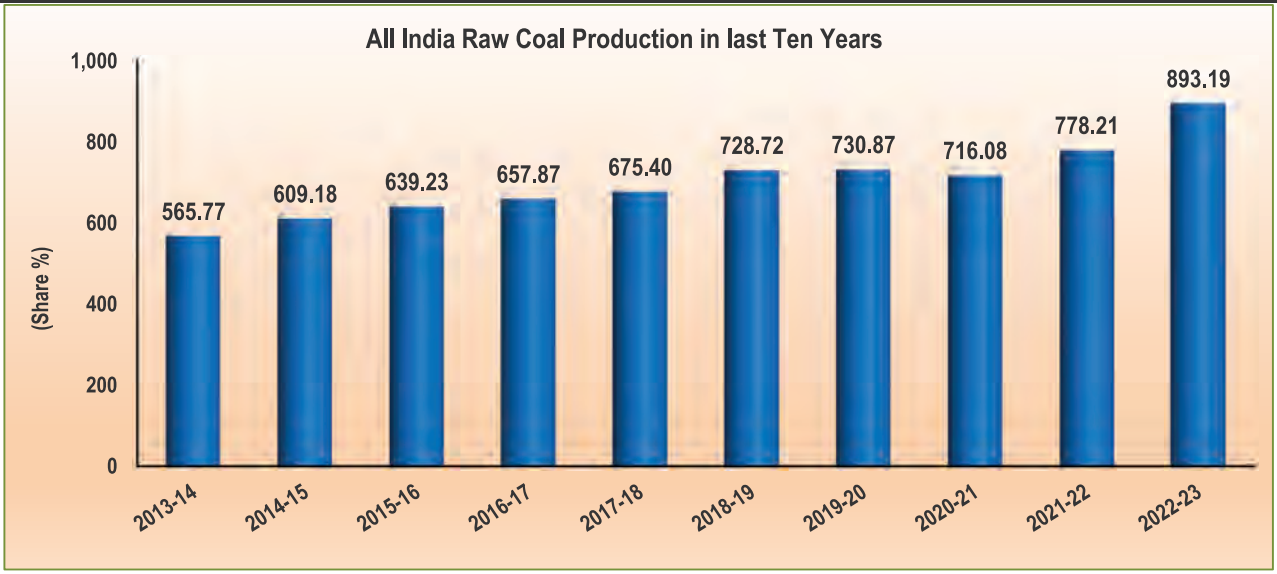
Year	Meghalaya			Odisha			Telangana		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2013-14	5.732	1.01	▲ 01.63%	112.917	19.96	▲ 02.53%	50.469	8.92	▼ 05.12%
2014-15	2.524	0.41	▼ 55.97%	123.627	20.29	▲ 09.48%	52.536	8.62	▲ 04.10%
2015-16	3.712	0.58	▲ 47.07%	138.461	21.66	▲ 12.00%	60.38	9.45	▲ 14.93%
2016-17	2.308	0.35	▼ 37.82%	139.359	21.18	▲ 00.65%	61.336	9.32	▲ 01.58%
2017-18	1.529	0.23	▼ 33.75%	143.328	21.22	▲ 02.85%	62.010	9.18	▲ 01.10%
2018-19				144.312	19.80	▲ 00.69%	65.160	8.94	▲ 05.08%
2019-20				143.016	19.57	▼ 00.90%	65.703	8.99	▲ 00.83%
2020-21				154.151	21.53	▲ 07.79%	52.603	7.35	▼ 19.94%
2021-22				185.069	23.78	▲ 20.06%	67.233	8.64	▲ 27.81%
2022-23				218.981	24.52	▲ 18.32%	69.637	7.80	▲ 03.58%

Contd.....

Table 3.9 : State Wise Raw Coal Production 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)
2013-14	14.721	2.60	▼ 08.51%	28.244	4.99	▲ 06.71%	**565.765**	▲ **01.68%**
2014-15	14.957	2.46	▲ 01.60%	29.97	4.92	▲ 06.11%	**609.179**	▲ **07.67%**
2015-16	12.689	1.99	▼ 15.16%	25.751	4.03	▼ 14.08%	**639.230**	▲ **04.93%**
2016-17	16.056	2.44	▲ 26.53%	27.667	4.21	▲ 07.44%	**657.868**	▲ **02.92%**
2017-18	18.309	2.71	▲ 14.03%	29.240	4.33	▲ 05.69%	**675.400**	▲ **02.66%**
2018-19	20.275	2.78	▲ 10.74%	33.136	4.55	▲ 13.32%	**728.718**	▲ **07.89%**
2019-20	18.030	2.47	▼ 11.07%	33.614	4.60	▲ 01.44%	**730.874**	▲ **00.30%**
2020-21	17.016	2.38	▼ 05.62%	30.463	4.25	▼ 09.37%	**716.083**	▼ **02.02%**
2021-22	18.073	2.32	▲ 06.21%	29.069	3.74	▼ 04.58%	**778.210**	▲ **08.68%**
2022-23	20.540	2.30	▲ 13.65%	32.796	3.67	▲ 12.82%	**893.191**	▲ **14.78%**



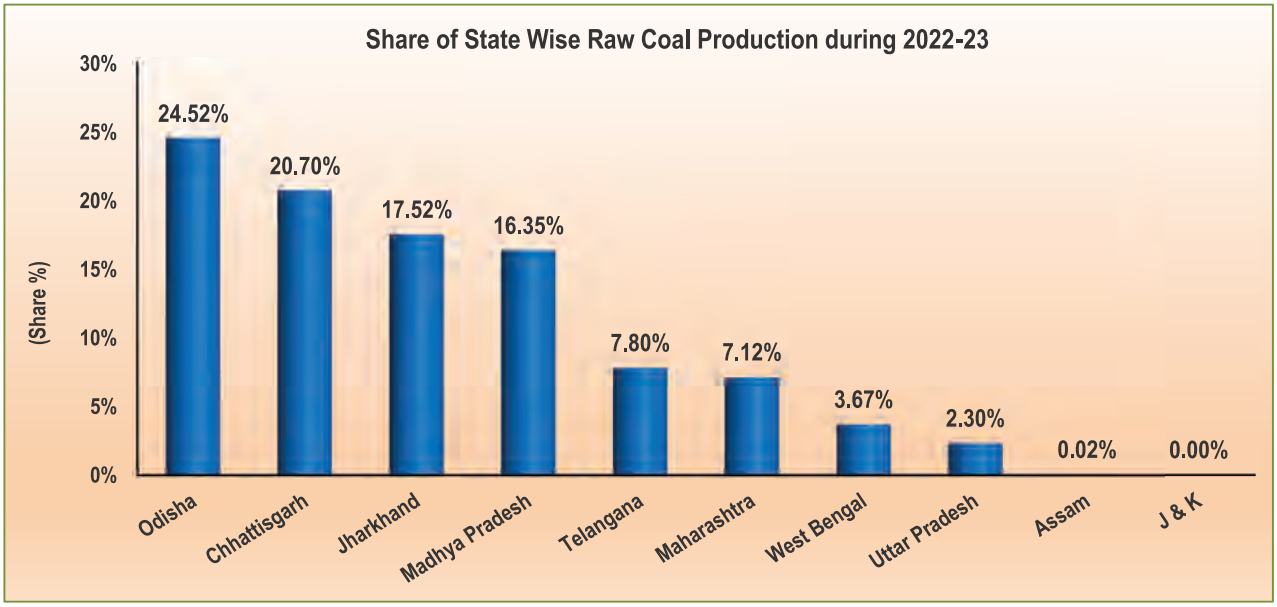
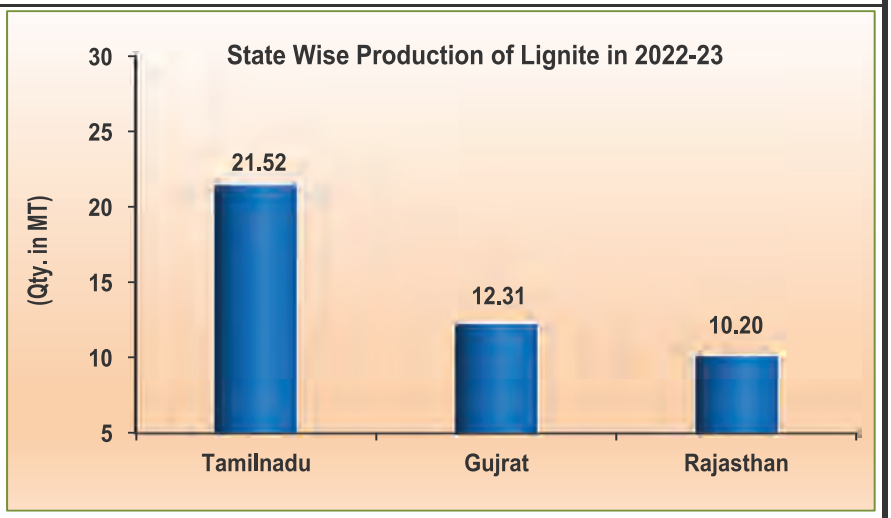


Table 3.10 : State Wise Lignite Production in last Ten Years

(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)
2013-14	25.056	56.60	▲ 00.85%	11.588	26.18	▼ 20.24%	7.627	17.23	▲ 07.71%
2014-15	25.190	52.19	▲ 00.53%	12.317	25.52	▲ 06.29%	10.763	22.30	▲ 41.12%
2015-16	24.227	55.26	▼ 03.82%	10.123	23.09	▼ 17.81%	9.492	21.65	▼ 11.81%
2016-17	26.204	57.93	▲ 08.16%	10.546	23.32	▲ 04.18%	8.480	18.75	▼ 10.66%
2017-18	23.569	50.53	▼ 10.06%	13.781	29.55	▲ 30.68%	9.294	19.93	▲ 09.60%
2018-19	23.041	52.03	▼ 02.24%	12.566	28.38	▼ 08.82%	8.676	19.59	▼ 06.65%
2019-20	23.516	55.86	▲ 02.06%	10.357	24.60	▼ 17.58%	8.223	19.53	▼ 05.22%
2020-21	18.026	47.57	▼ 23.35%	10.813	28.53	▲ 04.40%	9.056	23.90	▲ 10.13%
2021-22	23.635	53.68	▲ 31.12%	13.331	30.28	▲ 23.29%	10.526	23.91	▲ 16.23%
2022-23	21.519	48.87	▼ 08.95%	12.313	27.97	▼ 07.64%	10.197	23.16	▼ 03.13%

Year	All India	
	Quantity	Growth (%)
(11)	(12)	(13)
2013-14	**44.271**	▼ 04.70%
2014-15	**48.270**	▲ 09.03%
2015-16	**43.842**	▼ 09.17%
2016-17	**45.230**	▲ 03.17%
2017-18	**46.644**	▲ 03.13%
2018-19	**44.283**	▼ 05.06%
2019-20	**42.096**	▼ 04.94%
2020-21	**37.895**	▼ 09.98%
2021-22	**47.492**	▲ 12.82%
2022-23	**44.029**	▲ 16.19%



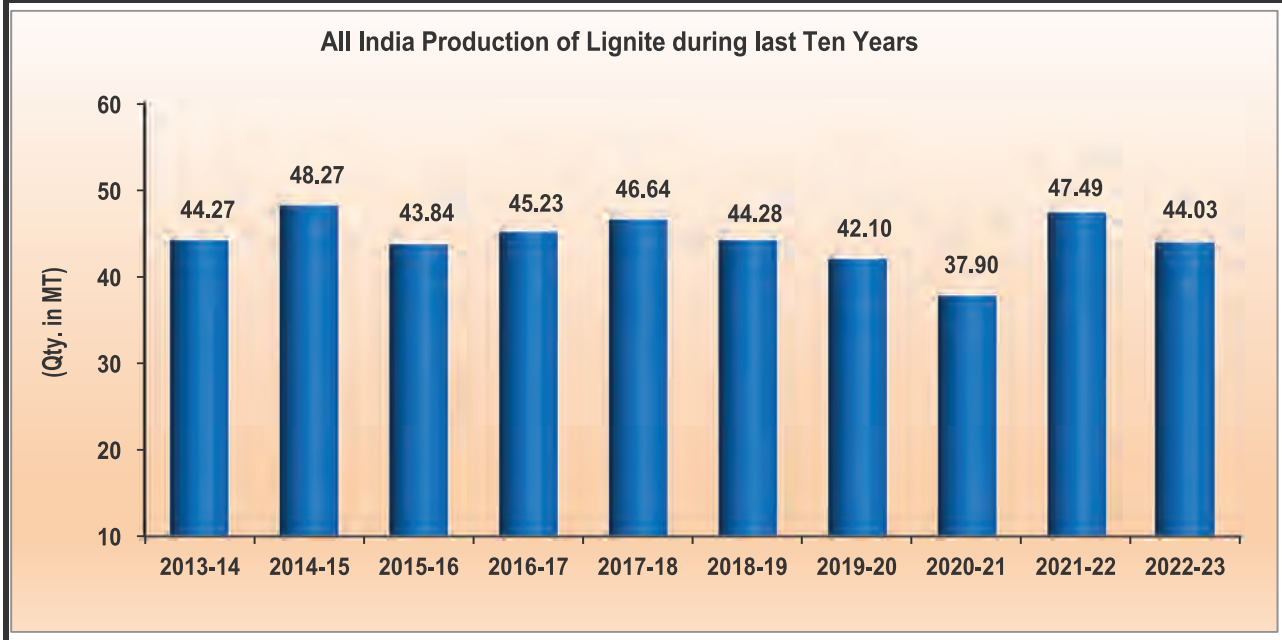


Table 3.11 : Company Wise Production of Coal in last Three Years

(Qty. in MT)

Company	2020-21			2021-22			2022-23		
	Coking	Non-Coking	Total	Coking	Non-Coking	Total	Coking	Non-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.015	44.989	**45.004**	0.014	32.414	**32.428**	0.007	35.011	**35.018**
BCCL	23.384	1.272	**24.656**	29.041	1.470	**30.511**	33.716	2.463	**36.179**
CCL	15.043	47.546	**62.589**	17.164	51.682	**68.846**	20.554	55.533	**76.087**
NCL	0.000	115.042	**115.042**	0.000	122.431	**122.431**	0.000	131.169	**131.169**
WCL	0.181	50.094	**50.275**	0.158	57.550	**57.708**	0.094	64.189	**64.283**
SECL	0.219	147.185	**147.404**	0.225	139.376	**139.601**	0.247	164.708	**164.955**
SECL(GP-IV/2&3)		3.202	**3.202**		2.913	**2.913**	0.000	2.051	**2.051**
SECL(GP-IV/1)			**0.000**			**0.000**	0.000	0.000	**0.000**
MCL		148.013	**148.013**		168.168	**168.168**	0.000	193.262	**193.262**
NEC		0.036	**0.036**		0.028	**0.028**	0.000	0.200	**0.200**
CIL	**38.842**	**557.379**	**596.221**	**46.602**	**576.031**	**622.633**	**54.618**	**648.586**	**703.204**
SCCL		50.580	**50.580**		65.022	**65.022**		67.137	**67.137**
JKML		0.010	**0.010**		0.011	**0.011**		0.010	**0.010**
DVC			**0.000**			**0.000**		0.033	**0.033**
IISCO	0.092	0.099	**0.191**	0.080	0.016	**0.096**	0.069	0.017	**0.086**
SAIL			**0.000**	0.340		**0.340**	0.303		**0.303**
JSMDCL		0.079	**0.079**		0.050	**0.050**		0.305	**0.305**
RRVUNL		15.000	**15.000**		15.000	**15.000**		11.801	**11.801**
NTPC		11.005	**11.005**		14.024	**14.024**		23.203	**23.203**
WBPDCL		6.258	**6.258**		11.386	**11.386**		18.714	**18.714**
CSPGCL		1.502	**1.502**		3.265	**3.265**		3.617	**3.617**
TSPGCL		2.023	**2.023**		2.211	**2.211**		2.500	**2.500**
OCPL		2.001	**2.001**		5.251	**5.251**		8.000	**8.000**
DPL		0.067	**0.067**		0.513	**0.513**		0.551	**0.551**
NLCIL		1.013	**1.013**		6.358	**6.358**		10.026	**10.026**
KPCL			**0.000**		1.258	**1.258**		1.608	**1.608**
APMDCL			**0.000**		0.023	**0.023**		1.946	**1.946**
THDC								0.311	**0.311**
PSPCL								0.507	**0.507**
Total Public	**38.934**	**647.016**	**685.950**	**47.022**	**700.419**	**747.441**	**54.990**	**798.872**	**853.862**
TSL	5.853	0.000	**5.853**	4.680	0.000	**4.680**	5.769	0.000	**5.769**
BALCO		0.002	**0.002**		0.000	**0.000**		1.000	**1.000**
CESC		2.079	**2.079**		1.637	**1.637**		1.801	**1.801**
HIL		0.308	**0.308**		0.925	**0.925**		0.685	**0.685**
JPVL		2.800	**2.800**		2.800	**2.800**		3.360	**3.360**
SIL		0.068	**0.068**		0.166	**0.166**		0.193	**0.193**
SPL		18.570	**18.570**		18.039	**18.039**		16.312	**16.312**
RCCPL		0.172	**0.172**		0.205	**0.205**		0.352	**0.352**
TUML		0.112	**0.112**		0.241	**0.241**		0.181	**0.181**
AMBUJA		0.169	**0.169**		0.779	**0.779**		1.200	**1.200**
BSIL			**0.000**		0.126	**0.126**		0.200	**0.200**
SEML			**0.000**		0.786	**0.786**		1.200	**1.200**
JPL			**0.000**		0.363	**0.363**		6.000	**6.000**
UTCL			**0.000**		0.021	**0.021**		0.359	**0.359**
Vedanta								0.693	**0.693**
BSMPL								0.024	**0.024**
Total Private	**5.853**	**24.280**	**30.133**	**4.680**	**26.089**	**30.769**	**5.769**	**33.560**	**39.329**
All India	**44.787**	**671.296**	**716.083**	**51.702**	**726.508**	**778.210**	**60.759**	**832.432**	**893.191**

Table 3.12 : State Wise and Company Wise Production of Raw Coal by types in last Three Years

(Qty. in MT)

States	Coal Company	2020-21			2021-22			2022-23		
		Coking	Non Coking	Total	Coking	Non Coking	Total	Coking	Non Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Assam	**NEC**		0.036	**0.036**		0.028	**0.028**		0.200	**0.200**
Chhattisgarh	SECL	0.219	137.242	**137.461**	0.225	129.817	**130.042**	0.247	154.817	**155.064**
	SECL(GP-IV/2&3)		3.202	**3.202**		2.913	**2.913**		2.051	**2.051**
	SECL(GP-IV/1)		0.000	**0.000**		0.000	**0.000**		0.000	**0.000**
	RRVUNL		15.000	**15.000**		15.000	**15.000**		11.801	**11.801**
	CSPGCL		1.502	**1.502**		3.265	**3.265**		3.617	**3.617**
	NTPC		0.812	**0.812**		0.411	**0.411**		2.402	**2.402**
	AMBUJA		0.169	**0.169**		0.779	**0.779**		1.200	**1.200**
	JPL					0.363	**0.363**		6.000	**6.000**
	HIL (GP-IV/4)		0.262	**0.262**		0.560	**0.560**		0.560	**0.560**
	HIL (GP-IV/5)		0.000	**0.000**		0.000	**0.000**		0.000	**0.000**
	SEML					0.786	**0.786**		1.200	**1.200**
	BALCO		0.002	**0.002**		0.000	**0.000**		1.000	**1.000**
	Total	**0.219**	**158.191**	**158.410**	**0.225**	**153.895**	**154.120**	**0.247**	**184.648**	**184.895**
Jammu & Kashmir	**JKML**		**0.010**	**0.010**		**0.011**	**0.011**		**0.010**	**0.010**
Jharkhand	ECL	0.015	18.900	**18.915**	0.014	8.017	**8.031**	0.007	8.298	**8.305**
	BCCL	23.384	1.268	**24.652**	28.941	1.409	**30.350**	33.716	2.463	**36.179**
	CCL	15.043	47.546	**62.589**	17.164	51.682	**68.846**	20.554	55.533	**76.087**
	JSMDCL		0.079	**0.079**		0.050	**0.050**		0.305	**0.305**
	DVC	0.000	0.000	**0.000**			**0.000**		0.033	**0.033**
	IISCO	0.092		**0.092**	0.080		**0.080**	0.069		**0.069**
	SAIL	0.000	0.000	**0.000**	0.340	0.000	**0.340**	0.303	0.000	**0.303**
	NTPC		7.069	**7.069**		8.321	**8.321**		13.801	**13.801**
	WBPDCL		4.133	**4.133**		9.041	**9.041**		15.000	**15.000**
	PSPCL								0.507	**0.507**
	TSL	5.853		**5.853**	4.680		**4.680**	5.769		**5.769**
	HIL_KOC		0.046	**0.046**		0.366	**0.366**		0.125	**0.125**
	Total	**44.387**	**79.041**	**123.428**	**51.219**	**78.885**	**130.105**	**60.418**	**96.065**	**156.483**
Madhya Pradesh	NCL		98.026	**98.026**		104.357	**104.357**		110.629	**110.629**
	WCL	0.181	2.839	**3.020**	0.158	2.813	**2.971**	0.094	2.751	**2.845**
	SECL		9.943	**9.943**		9.559	**9.559**		9.891	**9.891**
	APMDCL					0.023	**0.023**		1.946	**1.946**
	THDC								0.311	**0.311**
	SPL		18.570	**18.570**		18.039	**18.039**		16.312	**16.312**
	JPVL		2.800	**2.800**		2.800	**2.800**		3.360	**3.360**
	RCCPL		0.172	**0.172**		0.205	**0.205**		0.352	**0.352**
	UTCL					0.021	**0.021**		0.359	**0.359**
	BSMPL								0.024	**0.024**
	Total	**0.181**	**132.350**	**132.531**	**0.158**	**137.817**	**137.975**	**0.094**	**145.935**	**146.029**
Maharashtra	WCL		47.255	**47.255**		54.737	**54.737**		61.438	**61.438**
	KPCL					1.258	**1.258**		1.608	**1.608**
	SIL		0.068	**0.068**		0.166	**0.166**		0.193	**0.193**
	BSIL					0.126	**0.126**		0.200	**0.200**
	TUML		0.112	**0.112**		0.241	**0.241**		0.181	**0.181**
	Total		**47.435**	**47.435**	**0.000**	**56.528**	**56.528**	**0.000**	**63.620**	**63.620**

Cont.

Table 3.12 : State Wise and Company Wise Production of Raw Coal by types in last Three Years

(Qty. in MT)

States	Coal Company	2020-21			2021-22			2022-23		
		Coking	Non Coking	Total	Coking	Non Coking	Total	Coking	Non Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Odisha	MCL		148.013	**148.013**		168.168	**168.168**		193.262	**193.262**
	OCPL		2.001	**2.001**		5.251	**5.251**		8.000	**8.000**
	NTPC		3.124	**3.124**		5.292	**5.292**		7.000	**7.000**
	NLCIL		1.013	**1.013**		6.358	**6.358**		10.026	**10.026**
	Vedanta								0.693	**0.693**
	Total		**154.151**	**154.151**	**0.000**	**185.069**	**185.069**	**0.000**	**218.981**	**218.981**
Telangana	SCCL		50.580	**50.580**		65.022	**65.022**		67.137	**67.137**
	TSPGCL		2.023	**2.023**		2.211	**2.211**		2.500	**2.500**
	Total		**52.603**	**52.603**	**0.000**	**67.233**	**67.233**	**0.000**	**69.637**	**69.637**
Uttar Pradesh	**NCL**		**17.016**	**17.016**		**18.073**	**18.073**		**20.540**	**20.540**
West Bengal	ECL		26.089	**26.089**		24.397	**24.397**		26.713	**26.713**
	BCCL	0.000	0.004	**0.004**	0.100	0.061	**0.161**	0.000	0.000	**0.000**
	WBPDCL		2.125	**2.125**		2.345	**2.345**		3.714	**3.714**
	IISCO		0.099	**0.099**		0.016	**0.016**		0.017	**0.017**
	DPL		0.067	**0.067**		0.513	**0.513**		0.551	**0.551**
	CESC		2.079	**2.079**		1.637	**1.637**		1.801	**1.801**
	Total	**0.000**	**30.463**	**30.463**	**0.100**	**28.969**	**29.069**	**0.000**	**32.796**	**32.796**
Total Public	**Total**	**38.934**	**647.016**	**685.950**	**47.022**	**700.419**	**747.441**	**54.990**	**798.872**	**853.862**
Total Private		**5.853**	**24.280**	**30.133**	**4.680**	**26.089**	**30.769**	**5.769**	**33.560**	**39.329**
All India		**44.787**	**671.296**	**716.083**	**51.702**	**726.508**	**778.210**	**60.759**	**832.432**	**893.191**

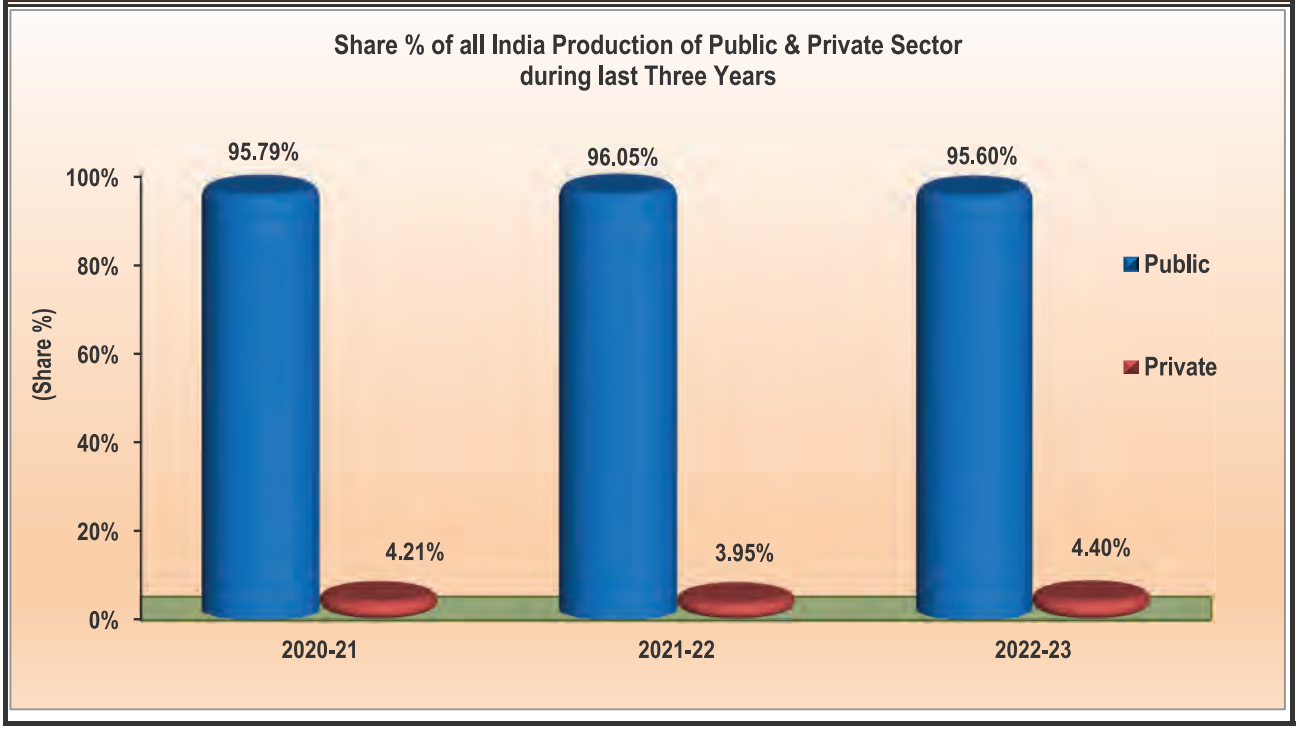


Table 3.13 : State Wise Production of Raw Coal by type(Coking & Non-coking) in Last Five Years

(Qty. in MT)

State	2018-19	2019-20	2020-21	2021-22	2022-23
(1)	(2)	(3)	(4)	(5)	(6)
Coking					
Chhattisgarh	0.247	0.250	0.219	0.225	0.247
Jharkhand	39.641	52.364	44.387	51.219	60.418
Madhya Pradesh	0.188	0.178	0.181	0.158	0.094
West Bengal	1.056	0.144	0.000	0.100	0.000
Total Coking	**41.132**	**52.936**	**44.787**	**51.702**	**60.759**
Non-Coking					
Assam	0.784	0.517	0.036	0.028	0.200
Chhattisgarh	161.646	157.495	158.191	153.895	184.648
Jammu & Kashmir	0.013	0.014	0.010	0.011	0.010
Jharkhand	95.025	79.399	79.041	78.885	96.065
Madhya Pradesh	118.473	125.548	132.350	137.817	145.935
Maharashtra	49.818	54.746	47.435	56.528	63.620
Odisha	144.312	143.016	154.151	185.069	218.981
Telangana	65.160	65.703	52.603	67.233	69.637
Uttar Pradesh	20.275	18.030	17.016	18.073	20.540
West Bengal	32.080	33.470	30.463	28.969	32.796
Total Non-Coking	**687.586**	**677.938**	**671.296**	**726.508**	**832.432**
Total Coal	**728.718**	**730.874**	**716.083**	**778.210**	**893.191**

Table 3.14 : State Wise Production of Lignite in last Five Years

Qty. in MT

State	2018-19	2019-20	2020-21	2021-22	2022-23
(1)	(2)	(3)	(4)	(5)	(6)
Gujarat	12.566	10.357	10.813	13.331	12.313
Rajasthan	8.676	8.223	9.056	10.526	10.197
Tamilnadu	23.041	23.516	18.026	23.635	21.519
Total Lignite	**44.283**	**42.096**	**37.895**	**47.492**	**44.029**

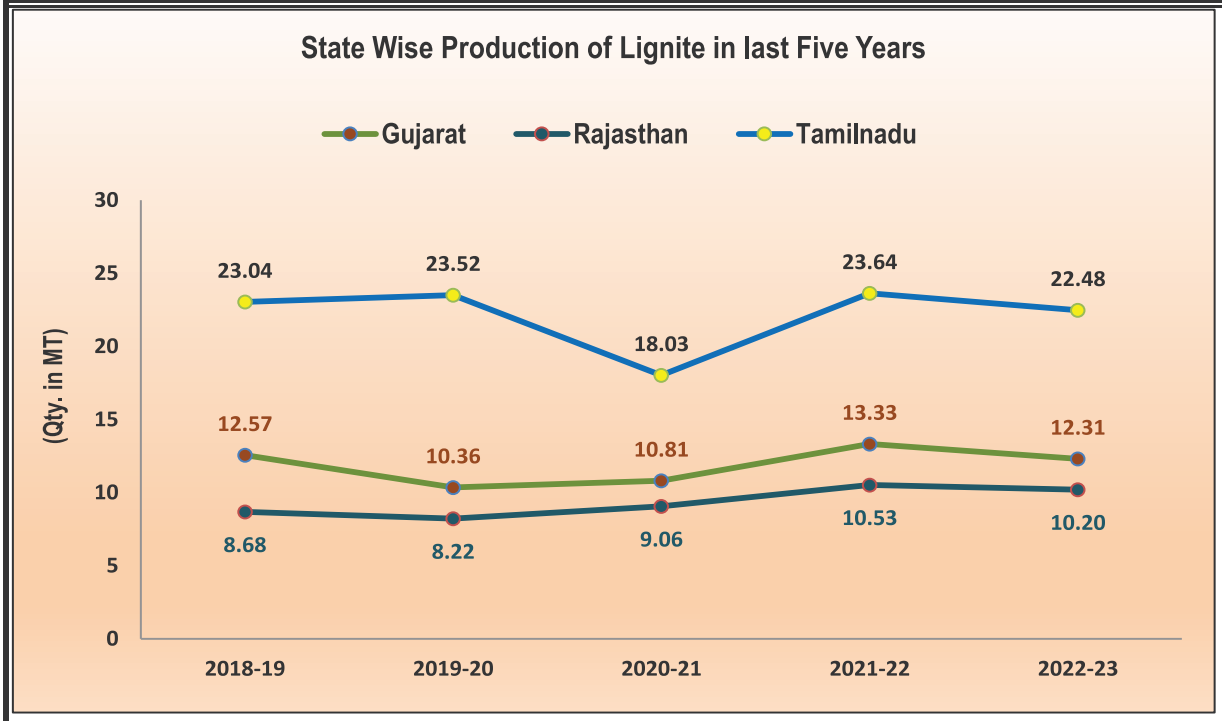


Table 3.14a : Company Wise Production of Lignite in India during last Five Years

Qty. in MT

Company	2018-19	2019-20	2020-21	2021-22	2022-23
(1)	(2)	(3)	(4)	(5)	(6)
NLC	24.250	24.864	19.263	25.113	23.530
GMDCL	9.160	6.957	6.004	8.555	7.580
GIPCL	3.313	3.342	3.507	2.910	3.050
RSMML	1.317	0.790	0.830	1.981	1.208
GHCL	0.093	0.058	0.021	0.081	0.125
VSLPPL	0.305	0.672	0.971	1.000	1.000
BLMCL	5.845	5.413	6.018	6.067	5.978
GPCL			1.281	1.785	1.558
All India	**44.283**	**42.096**	**37.895**	**47.492**	**44.029**

Table 3.15 : Grade Wise Production of Coking Coal by Companies during 2022-23

(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	Total Coking
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ECL						0.007				**0.007**
BCCL				0.171	2.256	1.619	11.231	18.274	0.165	**33.716**
CCL		0.062			1.190	0.679	14.718	3.905		**20.554**
NCL										**0.000**
WCL							0.094			**0.094**
SECL			0.247							**0.247**
SECL(GP-IV/2&3)										**0.000**
MCL										**0.000**
NEC										**0.000**
CIL	**0.000**	**0.062**	**0.247**	**0.171**	**3.446**	**2.305**	**26.043**	**22.179**	**0.165**	**54.618**
SCCL										**0.000**
JKML										**0.000**
DVC										**0.000**
IISCO						0.008	0.061			**0.069**
SAIL								0.303		**0.303**
JSMDCL										**0.000**
RRVUNL										**0.000**
NTPC										**0.000**
WBPDCL										**0.000**
CSPGCL										**0.000**
TSPGCL										**0.000**
OCPL										**0.000**
DPL										**0.000**
NLCIL										**0.000**
APMDCL										**0.000**
KPCL										**0.000**
THDC										**0.000**
PSPCL										**0.000**
Total Public	**0.000**	**0.062**	**0.247**	**0.171**	**3.446**	**2.313**	**26.104**	**22.482**	**0.165**	**54.990**
TSL					0.336	0.325	5.108			**5.769**
CESC										**0.000**
HIL										**0.000**
SPL										**0.000**
BALCO										**0.000**
SIL										**0.000**
JPVL										**0.000**
RCCPL										**0.000**
TUML										**0.000**
SEML										**0.000**
BSIL										**0.000**
JPL										**0.000**
UTCL										**0.000**
AMBUJA										**0.000**
VEDANTA										**0.000**
BSMPL										**0.000**
Total Private	**0.000**	**0.000**	**0.000**	**0.000**	**0.336**	**0.325**	**5.108**	**0.000**	**0.000**	**5.769**
All India	**0.000**	**0.062**	**0.247**	**0.171**	**3.782**	**2.638**	**31.212**	**22.482**	**0.165**	**60.759**

Share of Grade Wise Production of Coking Coal by Companies during 2022-23

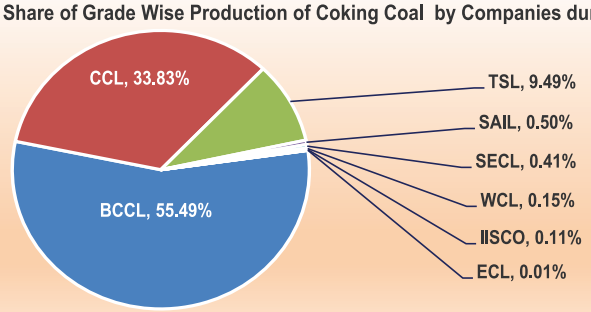


Table 3.16 : Grade Wise Raw Coal Production of Non-coking Coal by Companies during 2022-23

(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	Ungr	Total N-Coking	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(20)	(21)	(22)
ECL			0.892	15.756	6.670	1.324	2.621	2.128	0.000	0.082	0.239	0.000	5.299						35.011	35.018
BCCL					0.491	0.000	0.936	1.001		0.035				0.000					2.463	36.179
CCL					0.220	0.114	2.555	5.247	3.341	3.274	27.659	7.934	5.189						55.533	76.087
NCL							33.921	28.875	3.015	22.807	31.780	7.521	3.250						131.169	131.169
WCL						0.088	0.167	1.176	5.828	18.657	26.169	6.999	5.105						64.189	64.283
SECL			0.751	0.292	1.597	2.589	3.144	5.162	2.407	12.131	120.298	1.148	5.345	0.127	9.546	0.171			164.708	164.955
SECL(GP-IV/2&3)											0.309			0.348	1.394				2.051	2.051
MCL								0.061	0.105	2.077	0.000	64.489	53.444	67.656	5.430				193.262	193.262
NEC	0.015	0.073	0.059	0.053															0.200	0.200
CIL	**0.015**	**0.073**	**1.702**	**16.101**	**8.978**	**4.115**	**43.344**	**43.650**	**14.696**	**59.063**	**206.454**	**88.091**	**77.632**	**68.131**	**16.370**	**0.171**	**0.000**	**0.000**	**648.586**	**703.204**
SCCL					0.923	0.351	1.956	9.533	5.312	3.726	20.645	10.835	7.253	6.513				0.090	67.137	67.137
JKML		0.010																	0.010	0.010
DVC													0.033						0.033	0.033
IISCO						0.017													0.017	0.086
SAIL																			0.000	0.303
JSMDCL												0.305							0.305	0.305
RRVUNL											7.929		0.599			3.273			11.801	11.801
NTPC									13.225		0.576	0.034	2.368	7.000					23.203	23.203
WBPDCL							0.500		15.000		1.200	0.106	1.908						18.714	18.714
CSPGCL													0.974	0.997	0.813	0.833			3.617	3.617
TSPGCL									2.500										2.500	2.500
OCPL														7.774			0.226		8.000	8.000
DPL									0.477			0.074							0.551	0.551
NLCIL													8.279	1.747					10.026	10.026
APMDCL						1.946													1.946	1.946
KPCL									1.608										1.608	1.608
THDC									0.311										0.311	0.311
PSPCL								0.014		0.493									0.507	0.507
Total Public	**0.015**	**0.083**	**1.702**	**16.101**	**9.901**	**6.429**	**45.800**	**53.197**	**53.129**	**63.282**	**236.804**	**99.445**	**99.046**	**92.162**	**17.183**	**4.277**	**0.226**	**0.090**	**798.872**	**853.862**
TSL																			0.000	5.769
CESC												1.801							1.801	1.801
HIL						0.125	0.254					0.306							0.685	0.685
SPL										9.093	7.219								16.312	16.312
GMR																			0.000	0.000
BALCO								0.255				0.745							1.000	1.000
SIL								0.193											0.193	0.193
JPVL											3.360								3.360	3.360
RCCPL							0.352												0.352	0.352
TUML													0.181						0.181	0.181
OCL																			0.000	0.000
SEML												0.486		0.431			0.283		1.200	1.200
BSIL													0.200						0.200	0.200
JPL												0.324			0.751		4.925		6.000	6.000
UTCL								0.016		0.174		0.169							0.359	0.359
AMBUJA										0.683	0.234	0.283							1.200	1.200
VEDANTA													0.693						0.693	0.693
BSMPL											0.024								0.024	0.024
Total Private	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.125**	**0.606**	**0.464**	**0.000**	**9.950**	**10.837**	**4.114**	**1.074**	**0.431**	**0.751**	**0.000**	**5.208**	**0.000**	**33.560**	**39.329**
All India	**0.015**	**0.083**	**1.702**	**16.101**	**9.901**	**6.554**	**46.406**	**53.661**	**53.129**	**73.232**	**247.641**	**103.559**	**100.120**	**92.593**	**17.934**	**4.277**	**5.434**	**0.090**	**832.432**	**893.191**

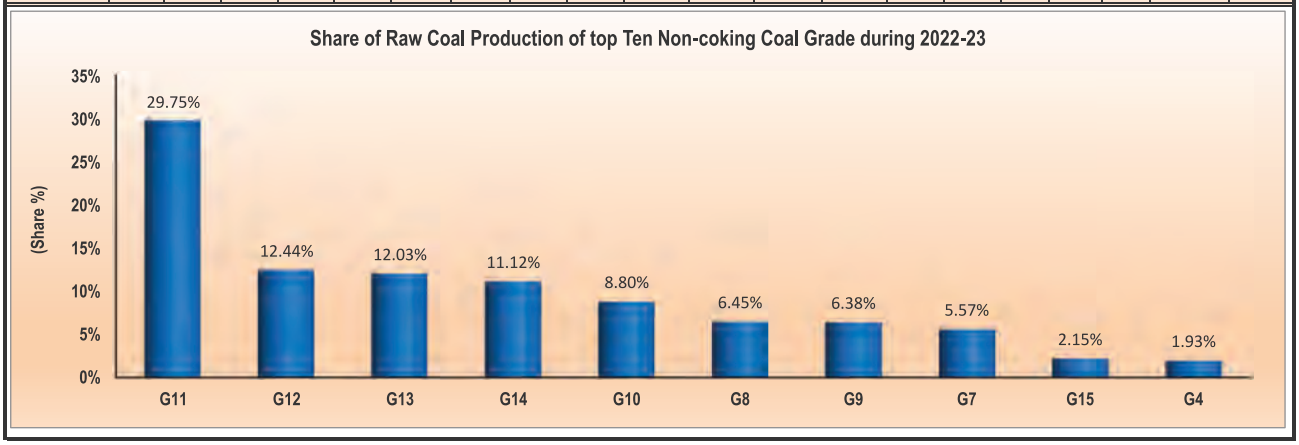


Table 3.17 : Grade Wise Production of Coking Coal and Non-Coking Coal by States in 2022-23

(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											**0.000**
Steel-II				0.062							**0.062**
SC		0.247									**0.247**
Wash-I				0.171							**0.171**
Wash-II				3.782							**3.782**
Wash-III				2.638							**2.638**
Wash-IV				31.118	0.094						**31.212**
Wash-V				22.482							**22.482**
Wash-VI				0.165							**0.165**
Total Coking	**0.000**	**0.247**	**0.000**	**60.418**	**0.094**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**60.759**
G1	0.015										**0.015**
G2	0.073		0.010								**0.083**
G3	0.059	0.751		0.211						0.681	**1.702**
G4	0.053	0.292		0.165						15.591	**16.101**
G5		1.275		1.254	0.322			0.923		6.127	**9.901**
G6		1.018		0.275	3.605			0.351		1.305	**6.554**
G7		1.661		4.908	36.067	0.110		1.956		1.704	**46.406**
G8		1.154		6.568	18.295	0.658	0.061	9.533	15.570	1.822	**53.661**
G9		1.206		31.566	4.397	5.905	0.105	7.812	1.661	0.477	**53.129**
G10		12.144		3.884	30.485	18.657	2.077	3.726	2.259		**73.232**
G11		128.770		28.474	41.399	26.103		20.645	1.050	1.200	**247.641**
G12		3.326		8.239	7.988	6.701	64.489	10.835		1.981	**103.559**
G13		9.286		10.521	3.250	5.486	62.416	7.253		1.908	**100.120**
G14		1.776			0.127		84.177	6.513			**92.593**
G15		12.504					5.430				**17.934**
G16		4.277									**4.277**
G17		5.208					0.226				**5.434**
Ungraded								0.090			**0.090**
Total Non-Coking	**0.200**	**184.648**	**0.010**	**96.065**	**145.935**	**63.620**	**218.981**	**69.637**	**20.540**	**32.796**	**832.432**
India	**0.200**	**184.895**	**0.010**	**156.483**	**146.029**	**63.620**	**218.981**	**69.637**	**20.540**	**32.796**	**893.191**

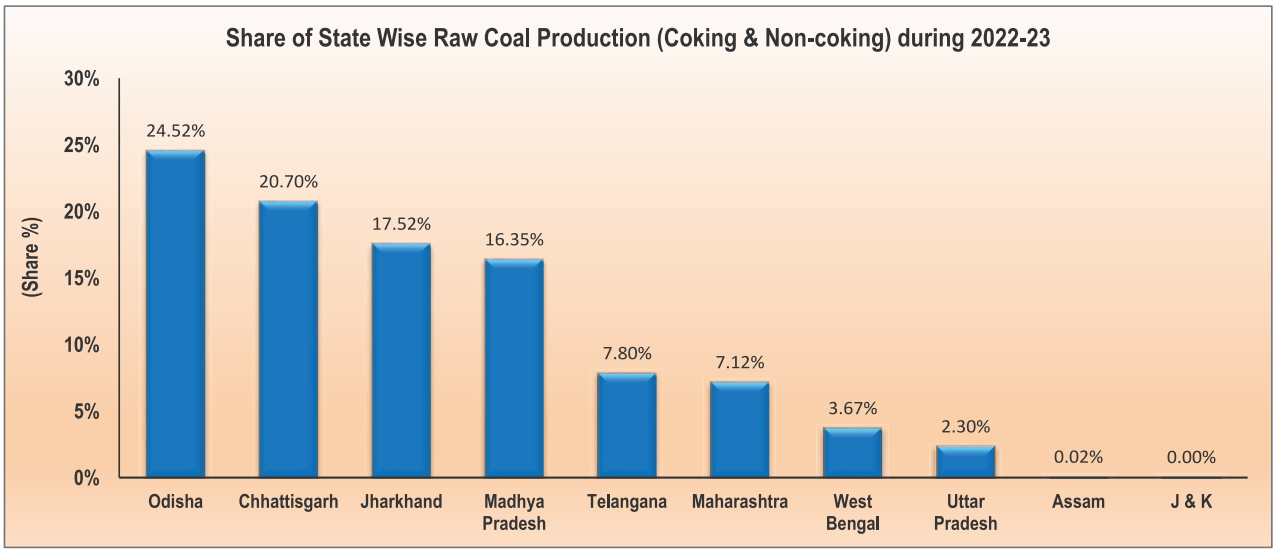


Table 3.18 : Grade Wise Production of Coking Coal and Non-Coking Coal in India during last Ten Years

(Qty. in MT)

Type	Grade	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Production of Coking Coal	Steel-I	0.061	0.050	0.037	0.023	0.155	0.035	0.018	0.001	0.225	0.000
	Steel-II	0.604	0.456	1.051	1.004	0.051	0.000	0.132	0.008	0.000	0.062
	SC-1	0.135	0.130	0.135	0.110	0.182	0.247	0.250	0.219	0.000	0.247
	Wash-I	0.145	0.115	0.415	0.315	0.176	0.058	0.136	0.202	0.234	0.171
	Wash-II	2.042	2.228	2.493	3.420	4.552	4.339	2.303	2.365	2.500	3.782
	Wash-III	12.616	12.335	12.968	10.796	3.991	6.577	7.361	1.820	1.539	2.638
	Wash-IV	40.962	42.132	43.788	45.993	31.041	29.874	33.094	26.943	25.740	31.212
	Wash-V							9.635	12.798	20.171	22.482
	Wash-VI							0.007	0.431	1.292	0.165
	SLV1	0.253	0	0	0	0	0.002				
Total Coking		**56.818**	**57.446**	**60.887**	**61.661**	**40.148**	**41.132**	**52.936**	**44.787**	**51.702**	**60.759**
Production of Non-Coking Coal	G1	6.13	2.740	3.831	2.418	1.710	0.087	0.021	0.003	0.000	0.015
	G2	0.416	0.565	0.341	0.309	0.264	0.480	0.288	0.027	0.009	0.083
	G3	5.374	5.469	5.189	5.279	3.513	3.313	3.231	2.681	2.012	1.702
	G4	21.526	19.025	17.665	17.319	14.535	15.545	14.472	14.221	13.049	16.101
	G5	13.236	14.789	16.302	13.600	14.730	12.453	14.633	9.707	8.657	9.901
	G6	17.714	22.680	13.114	14.140	10.868	7.900	4.605	4.252	5.492	6.554
	G7	35.837	37.838	39.038	35.574	36.817	41.348	40.891	37.446	40.742	46.406
	G8	28.273	30.523	33.15	29.574	40.980	54.420	45.546	47.702	46.402	53.661
	G9	57.003	52.704	44.579	38.924	27.547	35.595	37.869	36.723	43.597	53.129
	G10	55.405	64.411	82.855	98.175	91.478	84.227	78.135	69.883	62.426	73.232
	G11	126.328	130.703	147.46	143.233	179.975	199.705	193.872	194.693	223.091	247.641
	G12	56.372	79.169	90.578	91.786	53.418	66.297	71.628	73.346	77.626	103.559
	G13	68.984	76.348	77.619	90.937	101.743	111.210	86.864	80.935	100.358	100.120
	G14	4.556	5.054	1.439	6.419	44.637	41.037	58.795	66.297	81.184	92.593
	G15	3.858	3.806	4.073	3.263	7.894	6.885	17.598	26.201	14.047	17.934
	G16	3.093	2.627	0.418	4.505	3.544	3.847	4.033	6.790	7.442	4.277
	G17	4.786	3.258	0.666	0.459	1.467	3.109	5.282	0.236	0.375	5.434
	Ungraded	0.056	0.024	0.026	0.293	0.132	0.128	0.175	0.153	0.000	0.090
Total Non-Coking		**508.947**	**551.733**	**578.343**	**596.207**	**635.252**	**687.586**	**677.938**	**671.296**	**726.508**	**832.432**
Total Coal		**565.765**	**609.179**	**639.230**	**657.868**	**675.400**	**728.718**	**730.874**	**716.083**	**778.210**	**893.191**

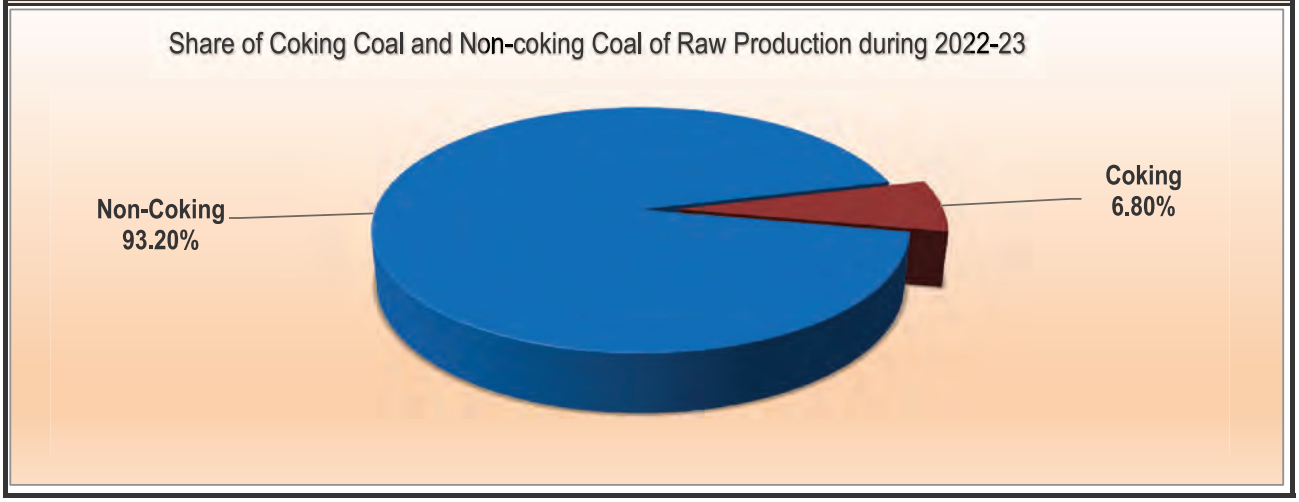
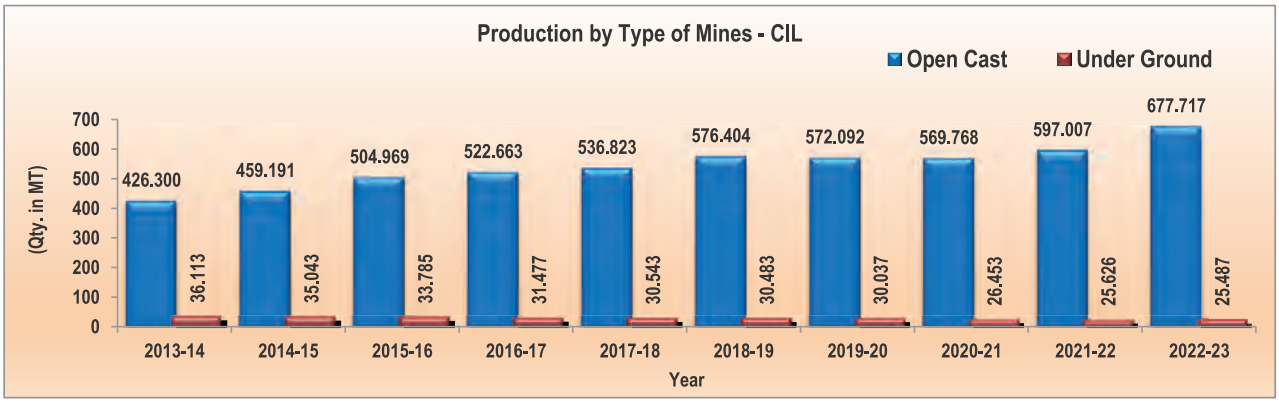
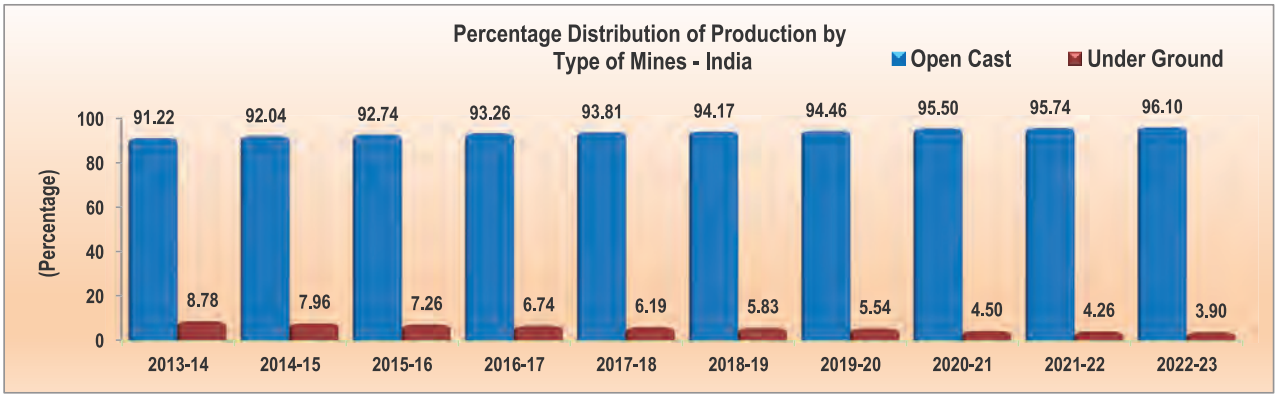


Table 3.19 : Production of Raw Coal from Open Cast and Under Ground Mines in Last Ten Years

(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)
2013-14	426.300	39.921	516.116	91.22	▲ 02.36%	36.113	10.548	49.649	8.78	▼ 04.90%	**565.765**	▲ 01.68%
2014-15	459.191	42.333	560.667	92.04	▲ 08.63%	35.043	10.203	48.512	7.96	▼ 02.29%	**609.179**	▲ 07.67%
2015-16	504.969	49.727	592.822	92.74	▲ 05.74%	33.785	10.653	46.408	7.26	▼ 04.34%	**639.230**	▲ 04.93%
2016-17	522.663	51.821	613.518	93.26	▲ 03.49%	31.477	9.515	44.350	6.74	▼ 04.43%	**657.868**	▲ 02.92%
2017-18	536.823	53.700	633.569	93.81	▲ 03.27%	30.543	8.310	41.831	6.19	▼ 05.68%	**675.400**	▲ 02.66%
2018-19	576.404	55.223	686.214	94.17	▲ 08.31%	30.483	9.178	42.504	5.83	▲ 01.61%	**728.718**	▲ 07.89%
2019-20	572.092	55.359	690.393	94.46	▲ 00.61%	30.037	8.685	40.481	5.54	▼ 04.76%	**730.874**	▲ 00.30%
2020-21	569.768	46.065	683.872	95.50	▼ 00.94%	26.453	4.515	32.211	4.50	▼ 20.43%	**716.083**	▼ 02.02%
2021-22	597.007	58.764	745.027	95.74	▲ 08.94%	25.626	6.258	33.183	4.26	▲ 03.02%	**778.210**	▲ 08.68%
2022-23	677.717	59.938	858.343	96.10	▲ 15.21%	25.487	7.199	34.848	3.90	▲ 05.02%	**893.191**	▲ 14.78%





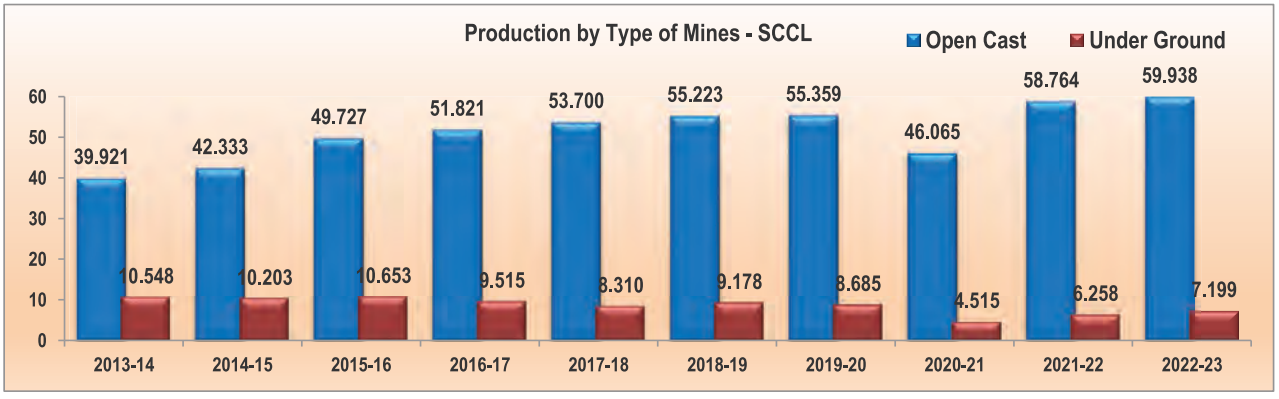


Table 3.20 : Company Wise Production of Raw Coal from Open Cast and Under Ground Mines in last Two Years

(Qty. in MT)

Companies	2021-22						2022-23					
	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	23.432	3.15	▼ 34.35%	8.996	27.11	▼ 02.28%	26.050	3.03	▲ 11.17%	8.968	25.73	▼ 00.31%
BCCL	29.706	3.99	▲ 23.53%	0.806	2.43	▼ 22.69%	35.493	4.14	▲ 19.48%	0.686	1.97	▼ 14.85%
CCL	68.091	9.14	▲ 09.53%	0.756	2.28	▲ 07.54%	75.224	8.76	▲ 10.48%	0.863	2.48	▲ 14.15%
NCL	122.431	16.43	▲ 06.42%		0.00		131.169	15.28	▲ 07.14%			
WCL	54.666	7.34	▲ 16.63%	3.041	9.16	▼ 26.90%	61.396	7.15	▲ 12.31%	2.887	8.28	▼ 05.06%
SECL	128.074	17.19	▼ 05.29%	11.527	34.74	▼ 18.19%	153.313	17.86	▲ 19.71%	11.642	33.41	▲ 01.00%
SECL(GP-IV/2&3)	2.913	0.39	▼ 09.03%		0.00		2.051	0.24	▼ 29.59%			
MCL	167.667	22.50	▲ 13.69%	0.500	1.51	▼ 40.19%	192.821	22.46	▲ 15.00%	0.441	1.27	▼ 11.80%
NEC	0.028	0.00	▼ 22.22%		0.00		0.200	0.02	▲ 614.29%			
Total CIL	**597.007**	**80.13**	▲ 04.78%	**25.626**	**77.23**	▼ 14.69%	**677.717**	**78.96**	▲ 13.52%	**25.487**	**73.14**	▼ 00.54%
SCCL	58.764	7.89	▲ 27.57%	6.258	18.86	▼ 27.95%	59.938	6.98	▲ 02.00%	7.199	20.66	▲ 15.04%
JKML				0.011	0.03	▼ 19.00%				0.010	0.03	▼ 11.82%
DVC					0.00		0.033	0.00	▲ 100.00%			
IISCO	0.016	0.00	▼ 83.97%	0.080	0.24	▼ 66.66%	0.017	0.00	▲ 07.13%	0.069	0.20	▼ 13.76%
JSMDCL	0.050	0.01	▼ 36.66%				0.305	0.04	▲ 509.51%			
RRVUNL	15.000	2.01	▲ 00.00%				11.801	1.37	▼ 21.33%			
SAIL	0.340	0.05	▲ 100.00%				0.303	0.04	▼ 10.88%			
NTPC	14.024	1.88	▲ 27.43%				23.203	2.70	▲ 65.46%			
WBPDCL	11.386	1.53	▲ 81.94%				18.714	2.18	▲ 64.36%			
CSPGCL	3.265	0.44	▲ 117.41%				3.617	0.42	▲ 10.77%			
TSPGCL	2.211	0.30	▲ 09.28%				2.500	0.29	▲ 13.08%			
OCPL	5.251	0.70	▲ 162.44%				8.000	0.93	▲ 52.34%			
KPCL	1.258	0.17	▲ 100.00%				1.608	0.19	▲ 27.81%			
DPL	0.513	0.07	▲ 666.01%				0.551	0.06	▲ 07.36%			
APMDCL	0.023	0.00	▲ 100.00%				1.946	0.23	▲ 8430.22%			
NLCIL	6.358	0.85	▲ 527.59%				10.026	1.17	▲ 57.70%			
PSPCL							0.507	0.06	▲ 100.00%			
THDC							0.311	0.04	▲ 100.00%			
Total Public	**715.466**	**96.032**	▲ 09.25%	**31.974**	**96.36**	▼ 17.96%	**821.097**	**95.661**	▲ 14.76%	**32.765**	**94.02**	▲ 02.47%
TSL	3.943	0.53	▼ 20.37%	0.737	2.22	▼ 31.93%	5.090	0.59	▲ 29.08%	0.679	1.95	▼ 07.81%
BALCO		0.00	▼ 100.00%		0.00		1.000	0.12	▲ 100.00%			
CESC	1.637	0.22	▼ 21.26%		0.00		1.801	0.21	▲ 10.01%			
GMR		0.00			0.00							
HIL	0.925	0.12	▲ 200.48%		0.00		0.685	0.08	▼ 25.98%			
JPVL	2.800	0.38	▼ 00.00%		0.00		3.360	0.39	▲ 20.00%			
JPL	0.363	0.05	▲ 100.00%		0.00		6.000	0.70	▲ 1550.63%			
SIL		0.00		0.166	0.50	▼ 38.37%				0.193	0.55	▲ 15.99%
SPL	18.039	2.42	▼ 02.86%		0.00		16.312	1.90	▼ 09.57%			
RCCPL		0.00		0.205	0.62	▲ 12.64%				0.352	1.01	▲ 71.71%
BS Ispat	0.126	0.02	▲ 100.00%		0.00		0.200	0.02	▲ 58.66%			
TUML	0.241	0.03	▲ 114.75%		0.00		0.181	0.02	▼ 24.75%			
UTCL		0.00		0.021	0.06	▲ 100.00%				0.359	1.03	▲ 1598.76%
OCL		0.00			0.00							
AMBUJA	0.700	0.09	▲ 314.20%	0.079	0.24	▲ 100.00%	0.700	0.08	▲ 00.00%	0.500	1.43	▲ 530.44%
SEML	0.786	0.11	▲ 100.00%		0.00		1.200	0.14	▲ 52.64%			
Vendata							0.693	0.08	▲ 100.00%			
BSMPL							0.024	0.00	▲ 100.00%			
Total Private	**29.561**	**3.97**	▲ 01.96%	**1.208**	**3.64**	▼ 28.50%	**37.246**	**4.34**	▲ 26.00%	**2.083**	**5.98**	▲ 72.38%
All India	**745.027**	**100.00**	▲ 08.94%	**33.183**	**100.00**	▼ 18.40%	**858.343**	**100.00**	▲ 15.21%	**34.848**	**100.00**	▲ 05.02%

Table 3.21 : Company Wise Production of Raw Coal from Open Cast and Under Ground Mines by Technology Wise in 2022-23

(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	26.050	3.03			26.050	2.92	4.082	11.71	4.120	11.82					0.766	2.20	8.968	1.00	35.018	4.50
BCCL	35.493	4.14			35.493	98.10		0.00	0.133	0.38	0.179	0.51	0.374	1.07			0.686	0.08	36.179	4.65
CCL	75.224	8.76			75.224	98.87	0.035	0.10	0.128	0.37					0.700	2.01	0.863	0.10	76.087	9.78
NCL	131.169	15.28			131.169	100.00				0.00							0.000	0.00	131.169	16.86
WCL	61.396	7.15			61.396	95.51			2.887	8.28							2.887	0.32	64.283	8.26
SECL	153.313	17.86			153.313	92.94			11.044	31.69					0.598	1.72	11.642	1.30	164.955	21.20
SECL(GP-IV/2&3)	2.051	0.24			2.051	100.00				0.00							0.000	0.00	2.051	0.26
MCL	192.821	22.46			192.821	99.77			0.441	1.27							0.441	0.05	193.262	24.83
NEC	0.200	0.02			0.200	100.00				0.00							0.000	0.00	0.200	0.03
CIL	677.717	78.96	0.000	0.0	677.717	96.38	4.117	11.81	18.753	53.81	0.179	0.51	0.374	1.07	2.064	5.92	25.487	2.85	703.204	2008.12
SCCL	59.938	6.98			59.938	89.28			4.381	12.57					2.818	8.09	7.199	0.81	67.137	8.63
JKML					0.000	0.00	0.010	0.03		0.00							0.010	0.00	0.010	0.00
DVC	0.033	0.00			0.033	100.00											0.000	0.00	0.033	0.00
IISCO	0.017	0.00			0.017	19.77					0.007	0.02	0.008	0.02	0.054	0.15	0.069	0.01	0.086	0.01
SAIL	0.303	0.04			0.303	100.00											0.000	0.00	0.303	0.04
JSMDCL	0.305	0.04			0.305	100.00											0.000	0.00	0.305	0.04
RRVUNL	11.801	1.37			11.801	100.00											0.000	0.00	11.801	1.52
NTPC	23.203	2.70			23.203	100.00											0.000	0.00	23.203	2.98
WBPDCL	18.714	2.18			18.714	100.00											0.000	0.00	18.714	2.40
CSPGCL	3.617	0.42			3.617	100.00											0.000	0.00	3.617	0.46
TSPGCL	2.500	0.29			2.500	100.00											0.000	0.00	2.500	0.32
OCPL	8.000	0.93			8.000	100.00											0.000	0.00	8.000	1.03
DPL	0.551	0.06			0.551	100.00											0.000	0.00	0.551	0.07
NLCIL	10.026	1.17			10.026	100.00											0.000	0.00	10.026	1.29
KPCL	1.608	0.19			1.608	100.00											0.000	0.00	1.608	0.21
APMDCL	1.946	0.23			1.946	100.00											0.000	0.00	1.946	0.25
THDC	0.311	0.04			0.311	100.00											0.000	0.00	0.311	0.04
PSPCL	0.507	0.06			0.507	100.00											0.000	0.00	0.507	0.07
Total Public	821.097	95.66	0.000	0.0	821.097	96.16	4.127	11.84	23.134	66.39	0.186	0.53	0.382	1.10	4.936	14.16	32.765	3.67	853.862	2027.48
TSL	5.090	0.59			5.090	88.23			0.679	1.95							0.679	0.08	5.769	0.74
BALCO	1.000	0.12			1.000	100.00											0.000	0.00	1.000	0.13
CESC	1.801	0.21			1.801	100.00											0.000	0.00	1.801	0.23
GMR	0.000	0.00			0.000	0.00											0.000	0.00	0.000	0.00
HIL	0.685	0.08			0.685	100.00											0.000	0.00	0.685	0.09
JPVL	3.360	0.39			3.360	100.00											0.000	0.00	3.360	0.43
JPL	6.000	0.70			6.000	100.00											0.000	0.00	6.000	0.77
SIL					0.000	0.00			0.193	0.55							0.193	0.02	0.193	0.02
SPL	16.312	1.90			16.312	100.00											0.000	0.00	16.312	2.10
RCCPL	0.000	0.00			0.000	0.00			0.352	1.01							0.352	0.04	0.352	0.05
TUML	0.181	0.02			0.181	100.00											0.000	0.00	0.181	0.02
OCL					0.000	0.00											0.000	0.00	0.000	0.00
AMBUJA	0.700	0.08			0.700	58.33			0.500	1.43							0.500	0.06	1.200	0.15
BSIL	0.200	0.02			0.200	100.00											0.000	0.00	0.200	0.03
SEML	1.200	0.14			1.200	100.00											0.000	0.00	1.200	0.15
UTCL					0.000	0.00			0.359	1.03							0.359	0.04	0.359	0.05
Vedanta	0.693	0.08			0.693	100.00											0.000	0.00	0.693	0.09
BSMPL	0.024	0.00			0.024	100.00											0.000	0.00	0.024	0.00
Total Private	37.246	4.34	0.000	0.0	37.246	94.70	0.000	0.00	2.083	5.98	0.000	0.00	0.000	0.00	0.000	0.00	2.083	0.23	39.329	5.05
All India	858.343	100.00	0.000	0.0	858.343	96.10	4.127	11.84	25.217	72.36	0.186	0.53	0.382	1.10	4.936	14.16	34.848	3.90	893.191	114.78

Share of Open Cast and Under Ground Raw Coal Production during 2022-23

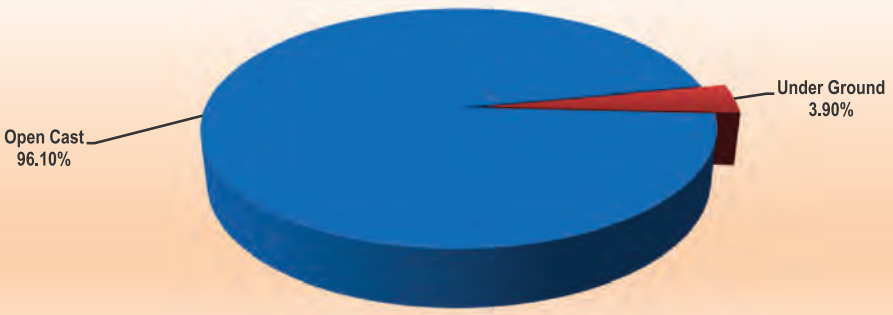


Table 3.22 : Company Wise Over Burden Removal and Stripping Ratio in Revenue Mines in last Three Years

(Qty. in MT)

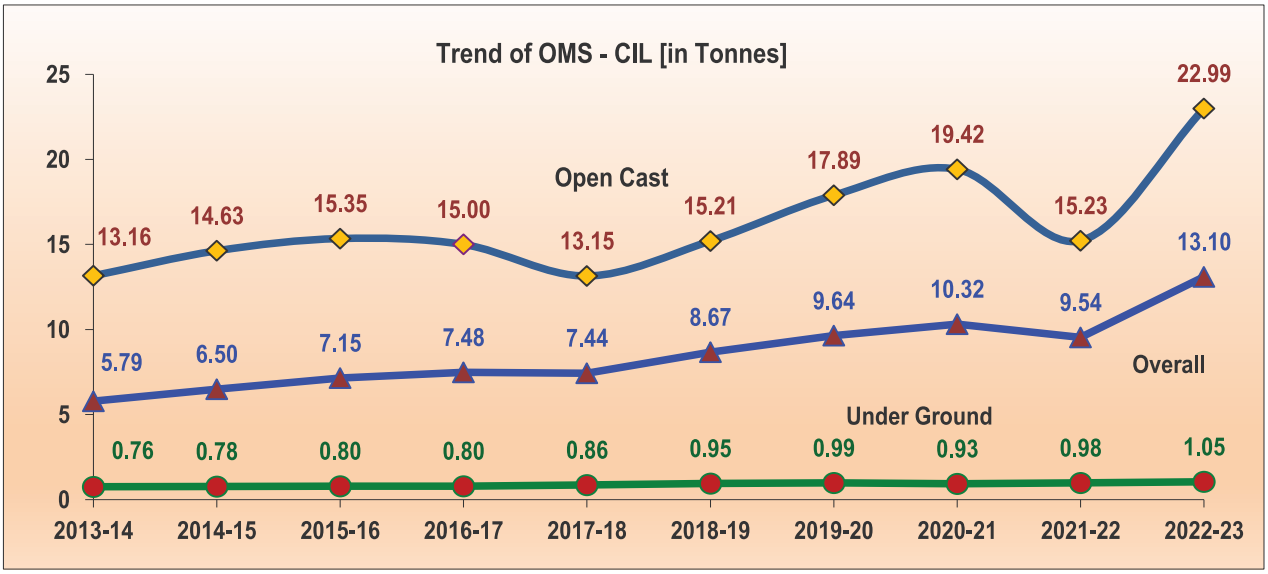
Companies	2020-21			2021-22			2022-23		
	Over Burden Removal	Production (Open Cast)	Stripping Ratio	Over Burden Removal	Production (Open Cast)	Stripping Ratio	Over Burden Removal	Production (Open Cast)	Stripping Ratio
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	139.585	35.695	3.91	118.989	23.432	5.08	133.128	26.050	5.11
BCCL	3.800	24.048	0.16	105.374	29.706	3.55	114.474	35.493	3.23
CCL	103.577	62.166	1.67	100.066	68.091	1.47	106.581	75.224	1.42
NCL	373.441	115.042	3.25	362.650	122.431	2.96	453.197	131.169	3.46
WCL	254.189	46.873	5.42	247.122	54.666	4.52	325.613	61.396	5.30
SECL	190.377	135.228	1.41	189.137	128.074	1.48	259.162	153.313	1.69
SECL (GP-IV/2&3)	5.993	3.202	1.87	6.079	2.913	2.09	4.227	2.051	2.06
MCL	173.150	147.478	1.17	206.173	167.667	1.23	229.529	192.821	1.19
NEC	0.619	0.036	17.19	0.000	0.028	0.00	1.946	0.200	9.73
CIL	**1244.731**	**569.768**	**2.18**	**1335.590**	**597.007**	**2.24**	**1627.857**	**677.717**	**2.40**
SCCL	322.554	46.065	7.00	383.390	58.764	6.52	410.109	59.938	6.84
JKML									
DVC		0.000			0.000		0.476	0.033	14.42
IISCO	0.681	0.099	6.88	0.148	0.016	9.27	0.045	0.017	2.65
SAIL		0.000		0.995	0.340	2.92	1.032	0.303	3.41
JSMDCL	0.241	0.079	3.05	0.129	0.050	2.58	0.150	0.305	0.49
RRVUNL	31.497	15.000	2.10	45.148	15.000	3.01	29.754	11.801	2.52
NTPC	34.239	11.005	3.11	32.292	14.024	2.30	71.455	23.203	3.08
WBPDCL	21.428	6.258	3.42	27.511	11.386	2.42	41.157	18.714	2.20
CSPGCL	4.408	1.502	2.93	5.169	3.265	1.58	8.808	3.617	2.44
TSPGCL	30.469	2.023	15.06	30.107	2.211	13.62	30.781	2.500	12.31
OCPL	7.575	2.001	3.79	16.711	5.251	3.18	26.322	8.000	3.29
DPL	0.671	0.067	10.01	2.417	0.513	4.71	3.927	0.551	7.13
NLCIL	4.901	1.013	4.84	2.325	6.358	0.37	8.004	10.026	0.80
PSPCL							4.172	0.507	8.23
THDC							1.639	0.311	5.27
KPCL				8.804	1.258	7.00	7.622	1.608	4.74
APMDCL				1.289	0.023	56.51	20.263	1.946	10.41
Total Public	**1703.395**	**654.880**	**2.60**	**1892.025**	**715.466**	**2.64**	**2293.573**	**821.097**	**2.79**
TSL	19.527	4.952	3.94	19.613	3.943	4.97	17.540	5.090	3.45
HIL	4.726	0.308	15.34	5.028	0.925	5.44	7.708	0.685	11.25
SPL	72.189	18.570	3.89	68.414	18.039	3.79	68.179	16.312	4.18
CESC	4.385	2.079	2.11	2.177	1.637	1.33	1.200	1.801	0.67
GMR		0.000							
BALCO	0.181	0.002	90.50		0.000		3.967	1.000	3.97
JPVL	17.964	2.800	6.42	21.987	2.800	7.85	26.864	3.360	8.00
TUML	0.832	0.112	7.43	1.198	0.241	4.98	0.927	0.181	5.12
RCCPL	0.000	0.000	0.00		0.000				
OCL	0.000	0.000	0.00		0.000				
AMBUJA	0.736	0.169	4.36	2.177	0.700	3.11	2.067	0.700	2.95
SEML				1.166	0.786	1.48	4.633	1.200	3.86
SIL									
UTCL									
VEDANTA							2.730	0.693	3.94
BSMPL							0.072	0.024	3.00
BS ISPAT				0.883	0.126	6.99	1.568	0.200	7.84
JPL				0.779	0.363	2.14	8.321	6.000	1.39
Total Private	**120.540**	**28.992**	**4.16**	**123.423**	**29.561**	**4.18**	**145.776**	**37.246**	**3.91**
All India	**1823.935**	**683.872**	**2.67**	**2015.448**	**745.027**	**2.71**	**2439.349**	**858.343**	**2.84**

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 : OMS in Open Cast & Under Ground Mines (CIL & SCCL) during last Ten Years

(Qty. in Tonnes)

Year	OMS (Open Cast)		OMS (Under Ground)		OMS (Overall)	
	CIL	SCCL	CIL	SCCL	CIL	SCCL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
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	17.89	16.57	0.99	1.44	9.64	4.89
2020-21	19.42	13.86	0.93	0.92	10.32	5.62
2021-22	15.23	15.15	0.98	1.19	9.54	6.09
2022-23	22.99	13.94	1.05	1.27	13.10	5.31



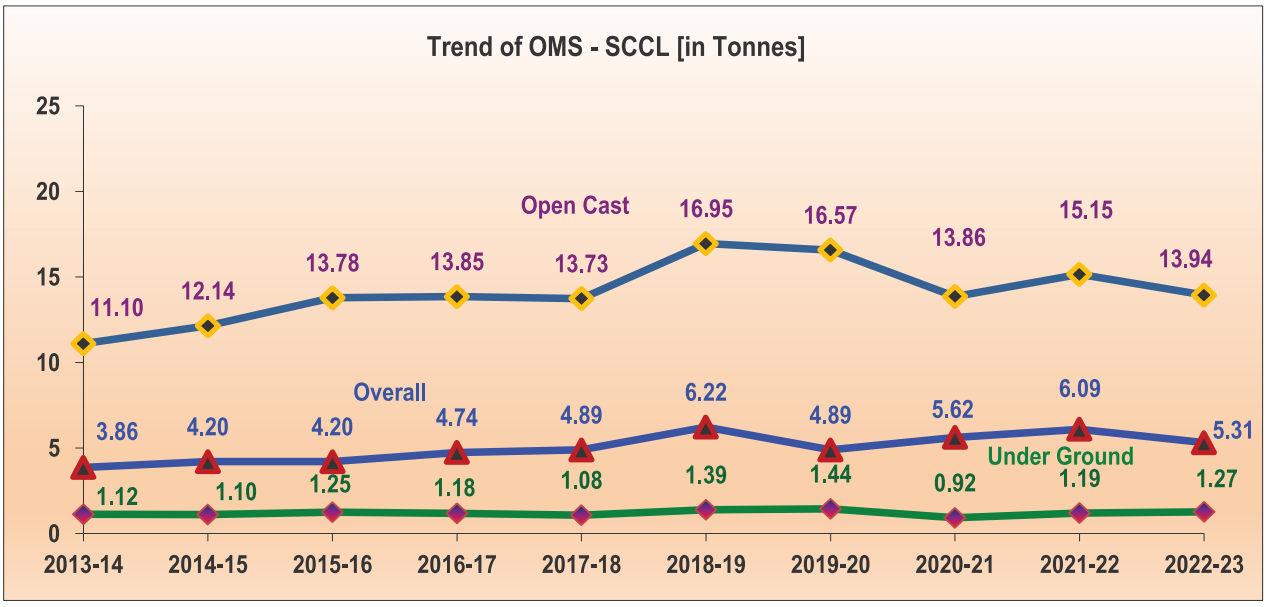


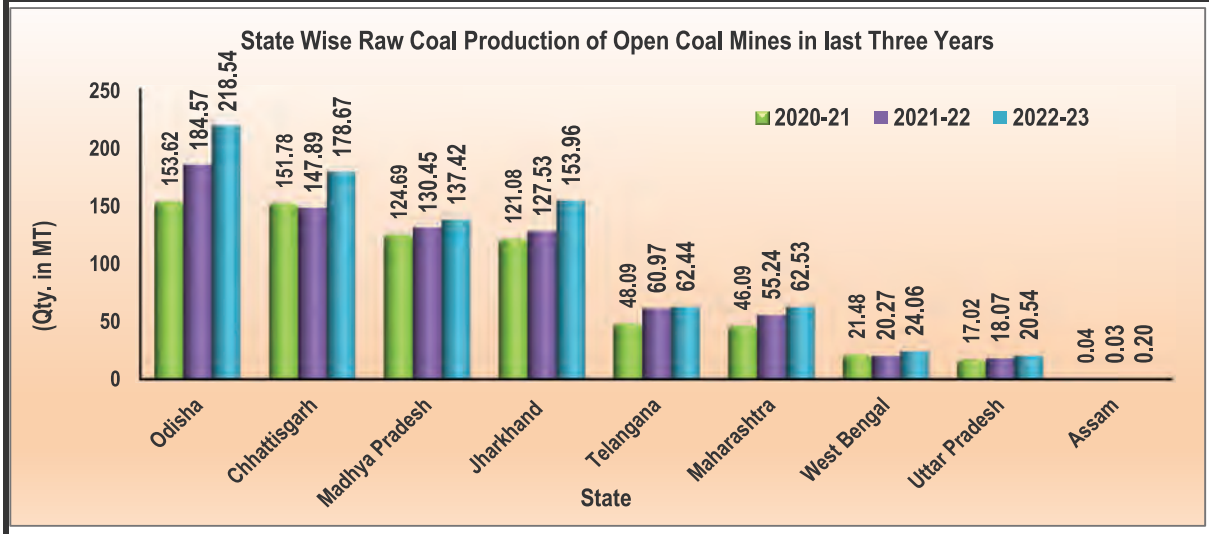
Table 3.24 : Company Wise Production, Manshifts & OMS (CIL & SCCL) by type of Mines in last Three Years

Company	Type of Mines	2020-21			2021-22			2022-23		
		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	35.695	2.322	15.37	23.432	2.273	10.31	26.050	2.287	11.39
BCCL	OC	24.048	3.236	7.43	29.706	3.889	7.64	35.493	4.069	8.72
CCL	OC	62.166	6.422	9.68	68.091	6.699	10.16	75.224	7.043	10.68
NCL	OC	115.042	3.680	31.26	122.431	4.355	28.11	131.169	2.989	43.88
WCL	OC	46.873	4.751	9.87	54.666	13.133	4.16	61.396	4.300	14.28
SECL	OC	135.228	4.198	32.21	128.074	4.469	28.66	153.313	3.888	39.43
SECL(GP-IV/2&3)	OC	3.202	0.046	69.61	2.913	0.049	59.45	2.051	0.046	44.59
MCL	OC	147.478	4.578	32.21	167.667	4.254	39.41	192.821	4.721	40.84
NEC	OC	0.036	0.103	0.35	0.028	0.085	0.33	0.200	0.130	1.54
CIL	**OC**	**569.768**	**29.337**	**19.42**	**597.007**	**39.206**	**15.23**	**677.717**	**29.473**	**22.99**
SCCL	**OC**	**46.065**	**4.794**	**13.86**	**58.764**	**2.624**	**15.15**	**59.938**	**2.715**	**13.94**
ECL	UG	9.309	10.926	0.85	8.996	10.420	0.86	8.968	10.099	0.89
BCCL	UG	0.608	4.217	0.14	0.806	3.821	0.21	0.686	3.552	0.19
CCL	UG	0.423	1.065	0.40	0.756	0.646	1.17	0.863	0.406	2.13
NCL	UG				0.000	0.000		0.000	0.000	
WCL	UG	3.402	3.646	0.93	3.041	3.260	0.93	2.887	3.074	0.94
SECL	UG	12.176	7.645	1.59	11.527	7.045	1.64	11.642	6.297	1.85
SECL(GP-IV/1)	UG				0.000	0.000		0.000	0.000	
MCL	UG	0.535	0.894	0.60	0.500	0.879	0.57	0.441	0.737	0.60
NEC	UG	0.000	0.062	0.00	0.000	0.000		0.000	0.026	0.00
CIL	**UG**	**26.453**	**28.455**	**0.93**	**25.626**	**26.072**	**0.98**	**25.487**	**24.191**	**1.05**
SCCL	**UG**	**4.515**	**2.646**	**0.92**	**6.258**	**5.002**	**1.19**	**7.199**	**5.200**	**1.27**
ECL	ALL	45.004	13.248	3.40	32.428	12.693	2.55	35.018	12.386	2.83
BCCL	ALL	24.656	7.453	3.31	30.511	7.711	3.96	36.179	7.621	4.75
CCL	ALL	62.589	7.487	8.36	68.847	7.345	9.37	76.087	7.449	10.21
NCL	ALL	115.042	3.680	31.26	122.431	4.355	28.11	131.169	2.989	43.88
WCL	ALL	50.275	8.397	5.99	57.707	16.393	3.52	64.283	7.374	8.72
SECL	ALL	147.404	11.843	12.45	139.601	11.514	12.12	164.955	10.185	16.20
SECL(GP-IV/2&3)	ALL	3.202	0.046	69.61	2.913	0.049	59.45	2.051	0.046	44.59
MCL	ALL	148.013	5.472	27.05	168.167	5.133	32.76	193.262	5.458	35.41
NEC	ALL	0.036	0.165	0.22	0.028	0.085	0.33	0.200	0.156	1.28
CIL	**ALL**	**596.221**	**57.791**	**10.32**	**622.633**	**65.278**	**9.54**	**703.204**	**53.664**	**13.10**
SCCL	**ALL**	**50.580**	**7.440**	**5.62**	**65.022**	**7.626**	**6.09**	**67.137**	**7.915**	**5.31**

Table 3.25 : State Wise Production of Raw Coal by type of Mines in last Three Years

(Qty. in MT)

States	2020-21			2021-22			2022-23		
	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	0.036	0.000	**0.036**	0.028	0.000	**0.028**	0.200	0.000	**0.200**
Chhattisgarh	151.778	6.632	**158.410**	147.894	6.225	**154.120**	178.667	6.228	**184.895**
Jammu & Kashmir		0.010	**0.010**		0.011	**0.011**		0.010	**0.010**
Jharkhand	121.077	2.351	**123.428**	127.531	2.575	**130.106**	153.957	2.526	**156.483**
Maharashtra	46.092	1.343	**47.435**	55.236	1.292	**56.528**	62.529	1.091	**63.620**
Madhya Pradesh	124.688	7.843	**132.531**	130.452	7.522	**137.974**	137.415	8.614	**146.029**
Odisha	153.616	0.535	**154.151**	184.568	0.500	**185.068**	218.540	0.441	**218.981**
Telangana	48.088	4.515	**52.603**	60.975	6.257	**67.232**	62.438	7.199	**69.637**
Uttar Pradesh	17.016		**17.016**	18.073	0.000	**18.073**	20.540	0.000	**20.540**
West Bengal	21.481	8.982	**30.463**	20.269	8.799	**29.069**	24.057	8.739	**32.796**
All India	**683.872**	**32.211**	**716.083**	**745.027**	**33.183**	**778.210**	**858.343**	**34.848**	**893.191**



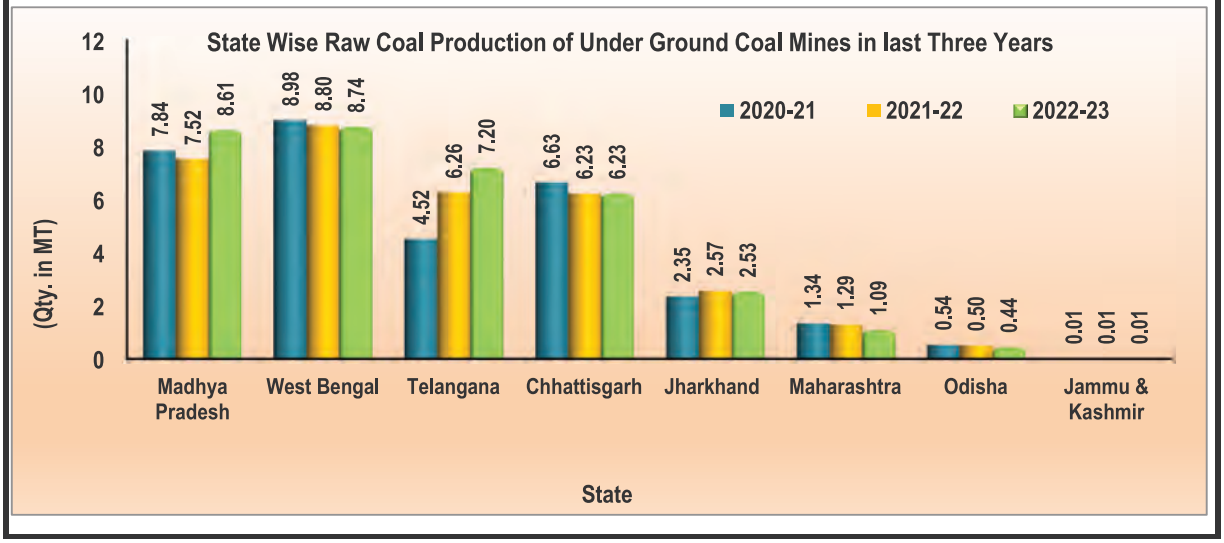


Table 3.26 : Raw Coal Production of Coal Blocks Vested/Allocated as per CMN & CM(SP) Act during last Three Years

(Qty. in MT)

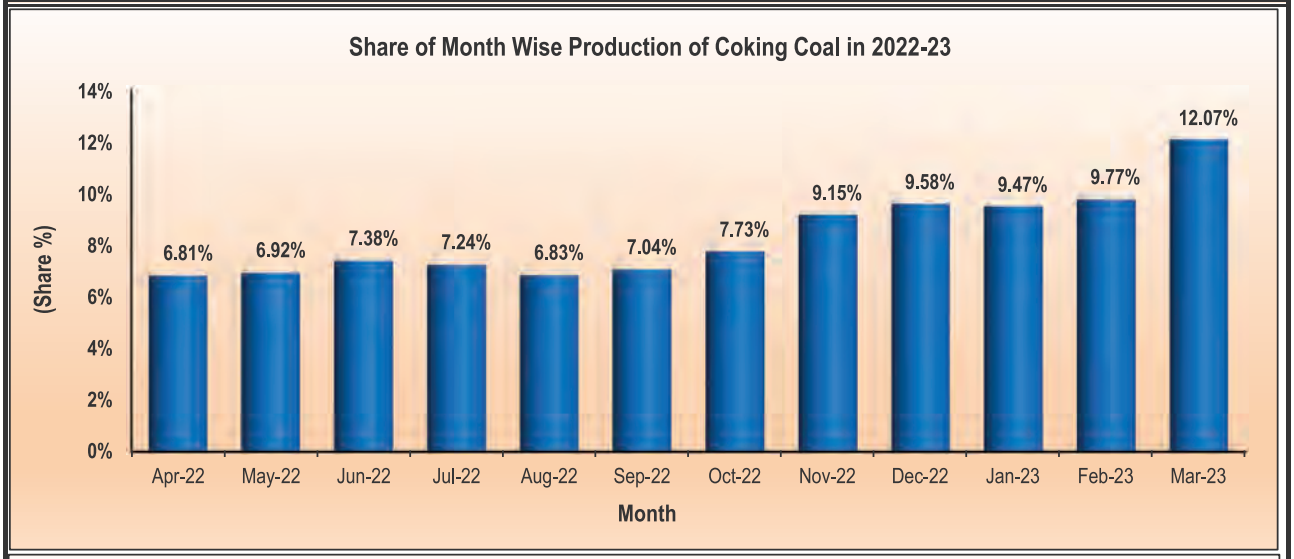
Block	Act	End Use	Company	State	2020-21			2021-22			2022-23		
					Coking Coal	Non-Coking Coal	Total Coal	Coking Coal	Non-Coking Coal	Total Coal	Coking Coal	Non-Coking Coal	Total Coal
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Parsa East & Kanta Basan	CM(SP)	Power	RRVUNL	Chhattisgarh		15.000	**15.000**		15.000	**15.000**		11.801	**11.801**
Tallipalli			NTPC			0.812	**0.812**		0.411	**0.411**		2.402	**2.402**
Gare Palma Sector-III			CSPGCL			1.502	**1.502**		3.265	**3.265**		3.617	**3.617**
Pakri Barwadih	CMN		NTPC	Jharkhand		7.069	**7.069**		8.321	**8.321**		13.225	**13.225**
Tubed	CM(SP)		DVC				**0.000**			**0.000**		0.033	**0.033**
Chatti Bariatu			NTPC				**0.000**			**0.000**		0.576	**0.576**
Pachhwara Central			PSPCL				**0.000**			**0.000**		0.507	**0.507**
Pachhwara North			WBPDCL			4.133	**4.133**		9.041	**9.041**		15.000	**15.000**
Amelia			THDC	Madhya Pradesh			**0.000**			**0.000**		0.311	**0.311**
Baranj I-IV, Kiloni & Manohardih			KPCL	Maharashtra			**0.000**		1.258	**1.258**		1.608	**1.608**
Dulanga			NTPC	Odisha		3.124	**3.124**		5.292	**5.292**		7.000	**7.000**
Manoharpur			OCPL			2.001	**2.001**		5.251	**5.251**		8.000	**8.000**
Talabira II &III			NLCIL			1.013	1.013		6.358	**6.358**		10.026	**10.026**
Tadicherla			TSPGCL	Telangana		2.023	**2.023**		2.211	**2.211**		2.500	**2.500**
Barjora			WBPDCL	West Bengal		0.310	**0.310**		0.316	**0.316**		0.500	**0.500**
Barjora North			WBPDCL			0.815	**0.815**		1.029	**1.029**		2.014	**2.014**
Gangaramchak Bhadulia			WBPDCL			1.000	**1.000**		1.000	**1.000**		1.200	**1.200**
Trans Damodar			DPL			0.067	0.067		0.513	**0.513**		0.551	**0.551**
		Total Power			**0.000**	**38.869**	**38.869**	**0.000**	**59.266**	**59.266**	**0.000**	**80.871**	**80.871**
Gare Palma IV/2 & 3	CM(SP)	Comercial	SECL	Chhattisgarh		3.202	**3.202**		2.913	**2.913**		2.051	**2.051**
Suliyari			APMDCL	Madhya Pradesh			**0.000**		0.023	**0.023**		1.946	**1.946**
		Total Comercial			**0.000**	**3.202**	**3.202**	**0.000**	**2.936**	**2.936**	**0.000**	**3.997**	**3.997**
Tasra	CMN	NRS	SAIL	Jharkhand		0.000	**0.000**	0.340		**0.340**	0.303		**0.303**
		Total NRS			**0.000**	**0.000**	**0.000**	**0.340**	**0.000**	**0.340**	**0.303**	**0.000**	**0.303**
Total Public					**0.000**	**42.071**	**42.071**	**0.340**	**62.201**	**62.542**	**0.303**	**84.868**	**85.171**
Moher & Moher Amlori Extn	CMN	Power	SPL	Madhya Pradesh		18.570	**18.570**		18.039	**18.039**		16.312	**16.312**
Amelia North	CM(SP)		JPVL			2.800	**2.800**		2.800	**2.800**		3.360	**3.360**
Talabira I			GMR	Odisha		0.000	**0.000**		0.000	**0.000**			**0.000**
Sarshatali			CESC	West Bengal		2.079	**2.079**		1.637	**1.637**		1.801	**1.801**
		Total Power			**0.000**	**23.449**	**23.449**	**0.000**	**22.477**	**22.477**	**0.000**	**21.473**	**21.473**
Gare Palma IV/1	CM(SP)	Comercial	JPL	Chhattisgarh			**0.000**		0.363	**0.363**		6.000	**6.000**
Gare Palma IV/7			SEML				**0.000**		0.786	**0.786**		1.200	**1.200**
Goitoria East & West			BSMPL	Madhya Pradesh			**0.000**			**0.000**		0.024	**0.024**
		Total Comercial			**0.000**	**0.000**	**0.000**	**0.000**	**1.150**	**1.150**	**0.000**	**7.224**	**7.224**
Gare Palma IV/4	CM(SP)	NRS	HIL	Chhattisgarh		0.262	**0.262**		0.560	**0.560**		0.560	**0.560**
Gare Palma IV/5			HIL			0.000	**0.000**		0.000	**0.000**			**0.000**
Chotia II			BALCO			0.002	**0.002**		0.000	**0.000**		1.000	**1.000**
Gare Palma IV/8			AMBUJA			0.169	**0.169**		0.779	**0.779**		1.200	**1.200**
Kathautia			HIL	Jharkhand		0.046	**0.046**		0.366	**0.366**		0.125	**0.125**
Sial Ghogri			RCCPL	Madhya Pradesh		0.172	**0.172**		0.205	**0.205**		0.352	**0.352**
Bicharpur			UTCL				**0.000**		0.021	**0.021**		0.359	**0.359**
Belgaon			SIL	Maharastra		0.068	**0.068**		0.166	**0.166**		0.193	**0.193**
Marki Mangli I			TUML			0.112	**0.112**		0.241	**0.241**		0.181	**0.181**
Marki Mangli III			BSIL				**0.000**		0.126	**0.126**		0.200	**0.200**
Ardhagram			OCL	Odisha		0.000	**0.000**		0.000	**0.000**			**0.000**
Jamkhani			Vedanta				**0.000**			**0.000**		0.693	**0.693**
		Total NRS			**0.000**	**0.831**	**0.831**	**0.000**	**2.463**	**2.463**	**0.000**	**4.863**	**4.863**
Total Private					**0.000**	**24.280**	**24.280**	**0.000**	**26.089**	**26.089**	**0.000**	**33.560**	**33.560**
Grand Total					**0.000**	**66.351**	**66.351**	**0.340**	**88.291**	**88.631**	**0.303**	**118.428**	**118.731**

Note: Power and NRS Coal Blocks are collectively called as Captive Coal Blocks.

Table 3.27 : Month Wise and Grade Wise Coking Coal Production during 2022-23

(Qty. in MT)

Month	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	Wash-V	Wash-VI	Total Coking	Share %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Apr-22			0.020	0.015	0.202	0.118	2.131	1.579	0.073	**4.138**	6.81%
May-22			0.018	0.015	0.239	0.191	2.219	1.519	0.006	**4.207**	6.92%
Jun-22			0.018	0.019	0.267	0.292	2.292	1.585	0.014	**4.487**	7.38%
Jul-22			0.019	0.017	0.291	0.152	2.298	1.573	0.047	**4.397**	7.24%
Aug-22			0.021	0.012	0.243	0.171	1.918	1.761	0.025	**4.151**	6.83%
Sep-22			0.021	0.013	0.348	0.138	1.814	1.944	0.000	**4.278**	7.04%
Oct-22			0.022	0.014	0.211	0.174	2.426	1.849	0.000	**4.696**	7.73%
Nov-22			0.020	0.015	0.301	0.222	2.946	2.058	0.000	**5.562**	9.15%
Dec-22			0.021	0.016	0.333	0.273	3.032	2.145	0.000	**5.820**	9.58%
Jan-23			0.023	0.014	0.378	0.352	2.699	2.290	0.000	**5.756**	9.47%
Feb-23			0.019	0.010	0.461	0.306	3.111	2.029	0.000	**5.936**	9.77%
Mar-23		0.062	0.025	0.011	0.508	0.249	4.326	2.150	0.000	**7.331**	12.07%
Total	**0.000**	**0.062**	**0.247**	**0.171**	**3.782**	**2.638**	**31.212**	**22.482**	**0.165**	**60.759**	**100.00%**



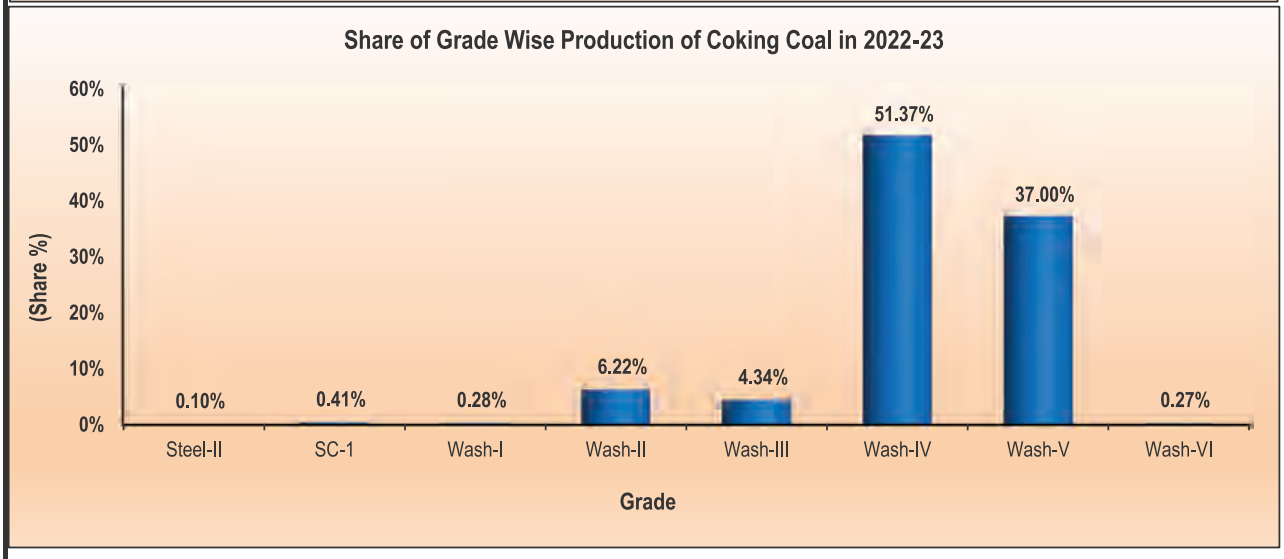
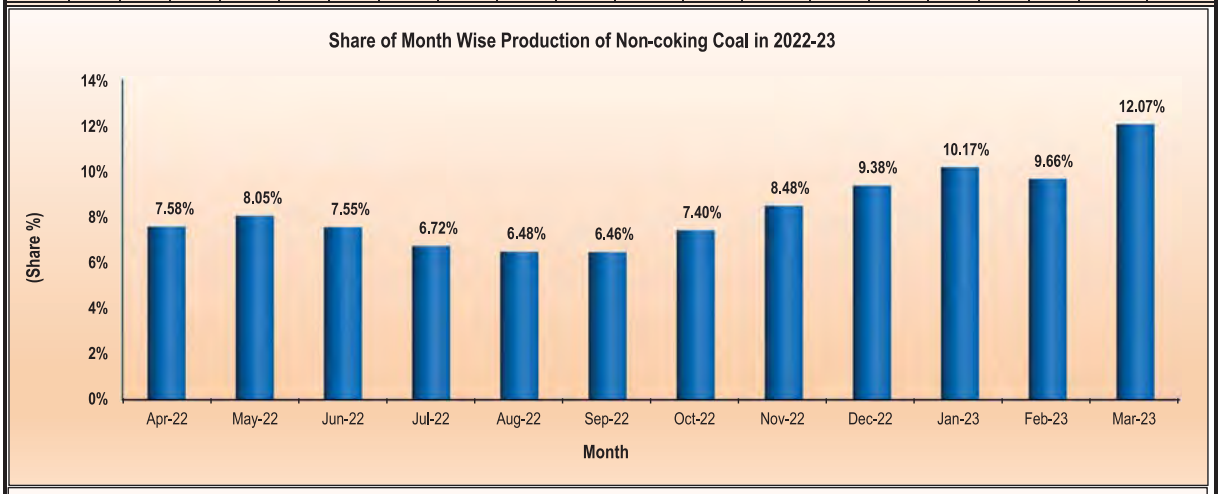
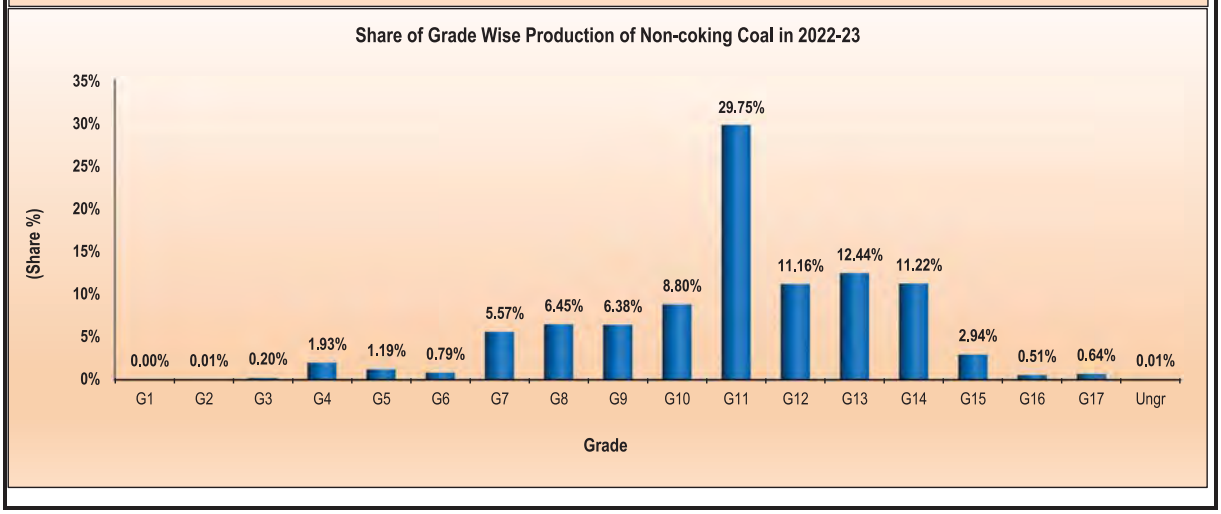


Table 3.28 : Month Wise and Grade Wise Non-coking Coal Production during 2022-23

(Qty. in MT)

Month	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	Ungr	Total N-Coking	Share %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(20)	(21)	(22)
Apr-22	0.001	0.002	0.084	1.328	0.789	0.411	4.429	4.208	3.278	5.077	19.350	6.661	8.340	6.580	1.532	0.543	0.453	0.000	**63.066**	7.58%
May-22	0.001	0.011	0.128	1.336	0.634	0.391	4.183	4.638	3.853	4.887	20.400	7.074	9.262	7.499	1.518	0.600	0.588	0.000	**67.003**	8.05%
Jun-22		0.001	0.122	1.238	0.691	0.365	3.604	4.923	3.411	4.722	18.494	7.367	7.975	7.310	1.632	0.488	0.527	0.000	**62.870**	7.55%
Jul-22	0.001	0.009	0.135	1.222	0.899	0.374	3.677	4.148	3.362	3.847	14.453	6.752	7.450	6.997	1.712	0.530	0.329	0.008	**55.905**	6.72%
Aug-22		0.003	0.124	1.101	0.857	0.287	4.039	3.933	3.654	3.669	14.319	5.989	6.823	6.786	1.722	0.298	0.297	0.010	**53.911**	6.48%
Sep-22		0.001	0.128	1.092	0.743	0.366	3.654	3.641	3.707	4.398	13.327	6.271	7.168	7.043	1.816	0.006	0.385	0.010	**53.756**	6.46%
Oct-22		0.001	0.150	1.207	0.763	0.423	3.796	3.801	3.809	5.768	16.793	7.331	7.835	7.588	2.014	0.040	0.301	0.013	**61.633**	7.40%
Nov-22		0.001	0.132	1.416	0.782	0.518	3.946	4.146	4.264	6.383	20.736	8.469	8.802	8.220	2.282	0.081	0.424	0.003	**70.605**	8.48%
Dec-22	0.003	0.013	0.174	1.550	0.821	0.521	4.067	4.805	4.582	8.058	23.049	8.517	9.403	8.579	3.190	0.393	0.368	0.017	**78.110**	9.38%
Jan-23	0.003	0.013	0.162	1.494	1.099	0.734	4.137	5.210	5.325	8.555	25.962	9.177	10.359	8.823	2.567	0.410	0.623	0.010	**84.663**	10.17%
Feb-23	0.005	0.009	0.175	1.459	0.814	0.927	3.316	4.809	5.170	8.321	25.907	9.401	8.646	8.564	1.911	0.456	0.526	0.016	**80.432**	9.66%
Mar-23	0.001	0.019	0.188	1.658	1.009	1.237	3.558	5.399	8.714	9.547	34.851	9.882	11.472	9.440	2.551	0.432	0.517	0.003	**100.478**	12.07%
Total	**0.015**	**0.083**	**1.702**	**16.101**	**9.901**	**6.554**	**46.406**	**53.661**	**53.129**	**73.232**	**247.641**	**92.891**	**103.535**	**93.429**	**24.447**	**4.277**	**5.338**	**0.090**	**832.432**	**100.00%**





04. DESPATCH & OFF-TAKE

Section IV

4.1 Despatch & Off-take

4.1.1 In 2022-23, despatch of raw coal was 877.369 MT, against 819.219 MT in 2021-22, thus an Increase of 07.10% over 2021-22 can be observed.

4.1.2 Statement 4.1 shows despatch of raw coal (coking and non-coking) by public and private sector in 2022-23.

Statement 4.1: Despatch of Raw Coal

Company	Coal Despatch (2022-23) [MT]		
	Coking	Non-Coking	Total
ECL	0.011	35.329	35.340
BCCL	33.185	2.378	35.563
CCL	19.737	55.287	75.024
NCL		133.512	133.512
WCL	0.092	62.056	62.148
SECL*	0.245	159.776	160.021
MCL		192.755	192.755
NEC		0.181	0.181
CIL	53.270	641.274	694.544
SCCL		66.693	66.693
Other Public	0.372	77.394	77.766
Total Public	**53.642**	**785.361**	**839.003**
Total Private	**5.771**	**32.595**	**38.366**
All India	**59.413**	**817.956**	**877.369**

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

It can be seen that Coal India Limited accounted for 79.16% of coal despatch in the country. The share of SCCL in the coal despatch was 7.60% and the contribution of private sector was 4.37%. In the CIL group, the major share in despatch was MCL (21.97%), SECL (Includes GP-IV/2&3 coal blocks) (18.24%), and NCL (15.22%). These three companies collectively accounted for 55.43 % 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 4.2, despatch and off-take or raw coal in 2022-23, has been shown.

Statement 4.2: Despatch and Off-take of Raw Coal in India in 2022-23 by Company [MT]

Company	Raw Coal	
	Despatch	Off-take
ECL	35.340	35.507
BCCL	35.563	35.563
CCL	75.024	75.024
NCL	133.512	133.512
WCL	62.148	62.512
SECL*	160.021	160.029
MCL	192.755	192.756
NEC	0.181	0.181
CIL	694.544	694.724
SCCL	66.693	66.693
Other Public	77.766	77.766
Total Public	**839.003**	**839.183**
Total Private	**38.366**	**38.366**
All India	**877.369**	**877.549**

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

4.1.4 Statement 4.3 shows despatch of washed coal and middlings in 2022-23 by different companies. It may be observed that share of public sector in washed coal was 72.96% and middling was 65.00%.

Statement 4.3: Despatch of Washed Coal and Middlings in 2022-23 (MT)		
Company	**Washed coal**	**Middlings**
BCCL	1.422	2.497
CCL	4.400	0.798
IISCO	0.610	0.565
RRVUNL	9.080	
Public	**15.512**	**3.860**
TSL	2.536	1.620
CESC	0.655	
JPL	2.104	
TUML	0.014	
SEML	0.420	0.415
BSIL	0.021	0.043
Private	**5.750**	**2.078**
Total	**21.262**	**5.938**

4.1.5 Statement 4.4 shows details on despatch and off-take of raw coal to different sectors of the industry in the country during 2022-23. It may be seen that out of total despatch to different sector, maximum share was of power utility 83.79% and power captive 5.73%. The share of steel, cement, sponge Iron etc. are shown in the statement.

Statement 4.4: Despatch of Raw Coal in India in 2022-23 to different sectors [MT]	
Sector	**Despatch & Off-take**
Power (Utility)	735.139
Power (Captive)	50.257
Steel	13.382
Cement	9.309
Sponge Iron	8.093
Fertilizers	0.662
Pulp & Paper	1.255
Other Basic Metal	1.159
Chemical	0.195
Textiles & Rayons	0.092
Bricks	0.109
Others	57.717
Total Despatch	**877.369**
Colliery Consumption	0.180
Total Off-take	**877.549**

4.1.6 Statement 4.5 shows that out of total despatch of lignite in 2022-23, share of despatch to power utility was 19.23% and power captive 63.95%.

Statement 4.5: Despatch of Lignite in India in 2022-23 to different sectors [MT]	
Sector	**Despatch & Off-take [MT]**
Power (Utility)	9.003
Power (Captive)	29.945
Steel	0.122
Cement	0.836
Sponge Iron	0.000
Pulp & Paper	0.894
Chemical	0.994
Textiles & Rayons	1.853
Bricks	0.609
Others	2.566
Total Despatch	**46.822**
Colliery Consumption	0.000
Total Off-take	**46.822**

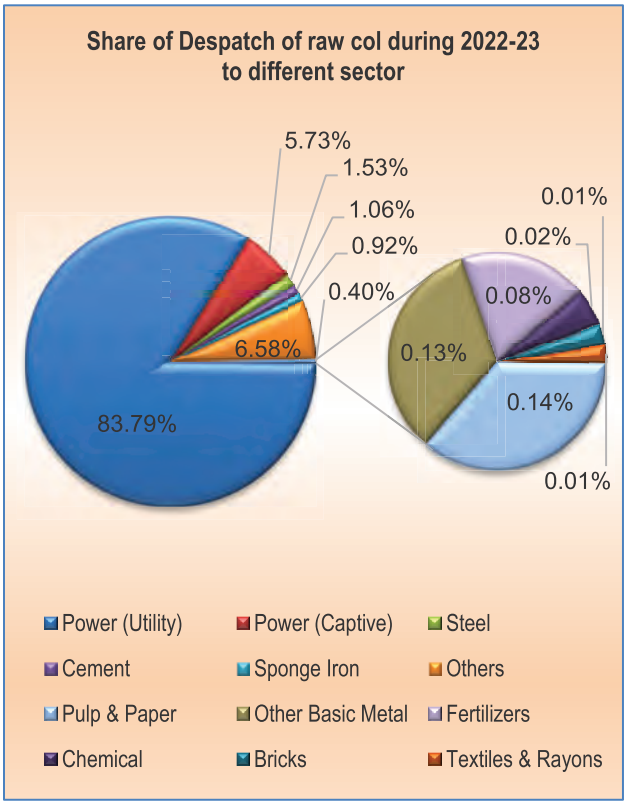


Chart IV-I : Despatch of Raw Coal from different State during last Three Years

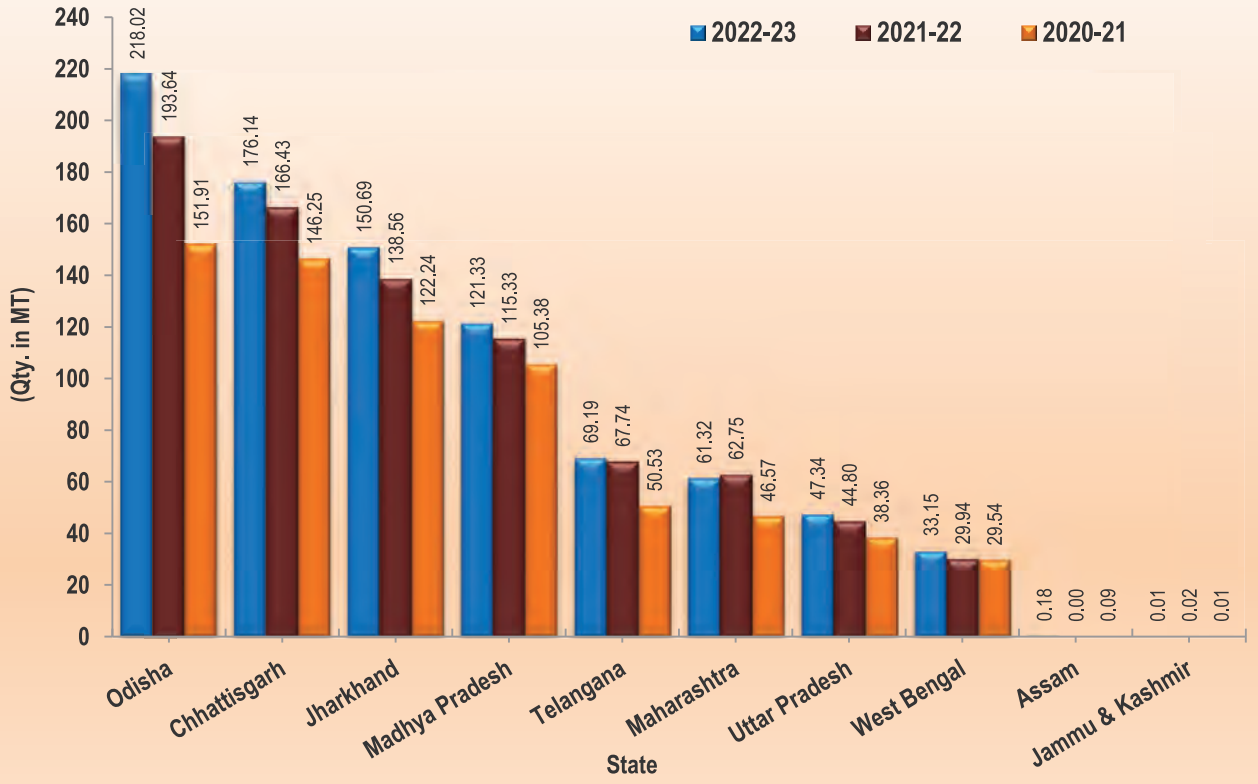


Chart IV-II : Despatch of Raw Coal from different top Ten Companies during last Three Years

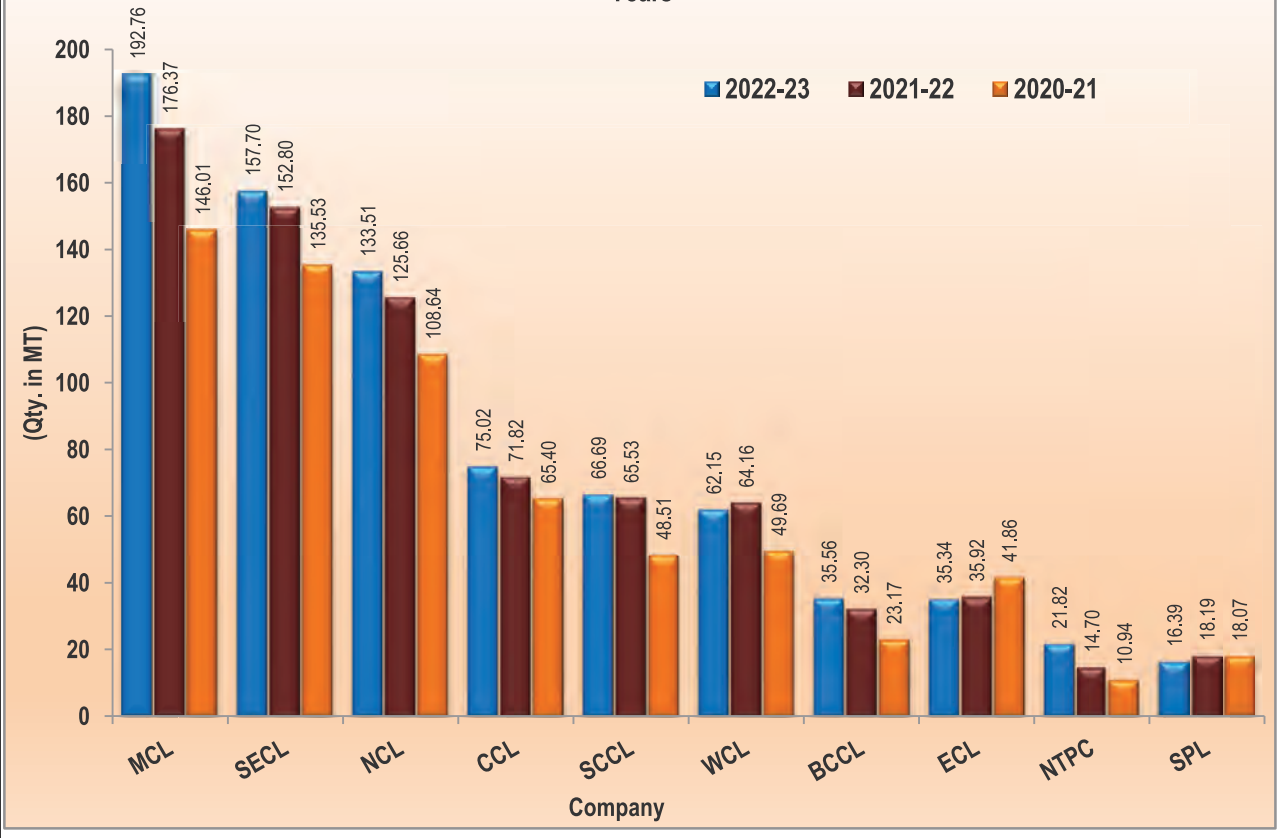


Chart IV-III : Sector Wise Despatch of Raw Coal from different Companies in 2022-23

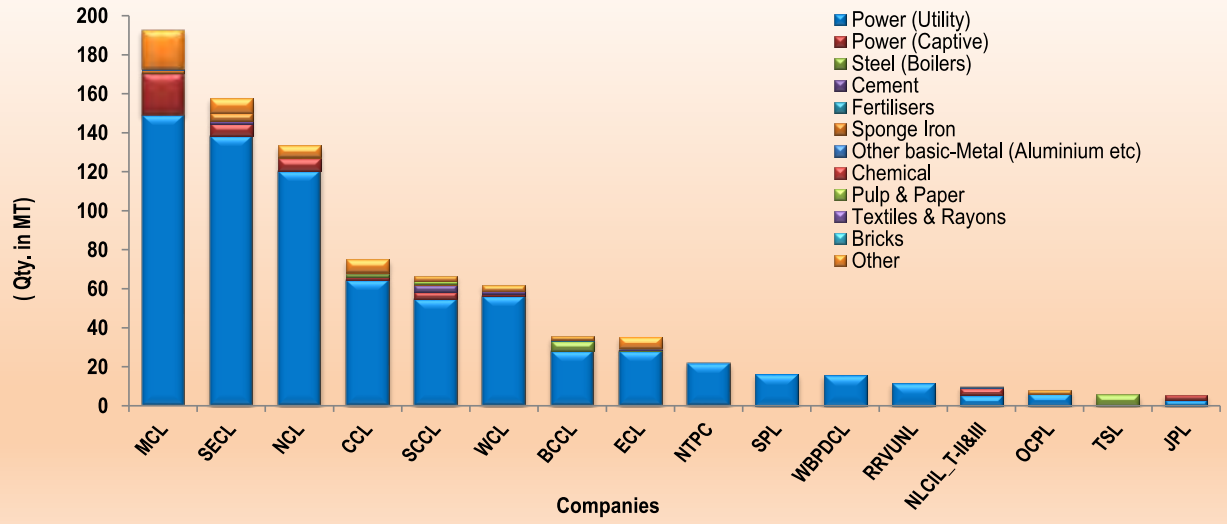


Chart IV-IV : Grade Wise Despatch of Coking Coal during 2022-23

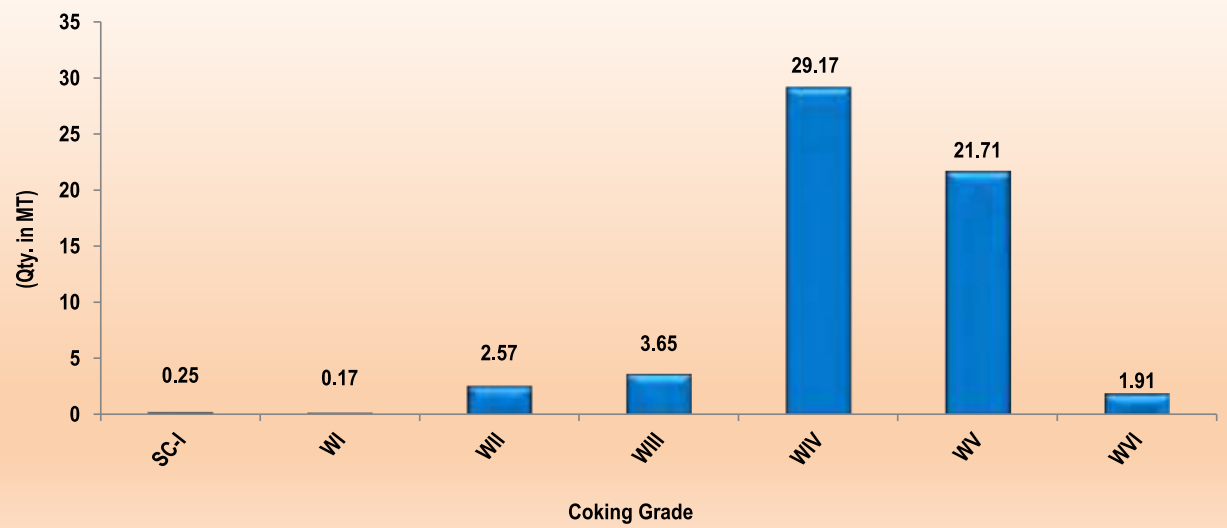


Chart IV-V : Grade Wise Despatch of Non-coking Coal during 2022-23

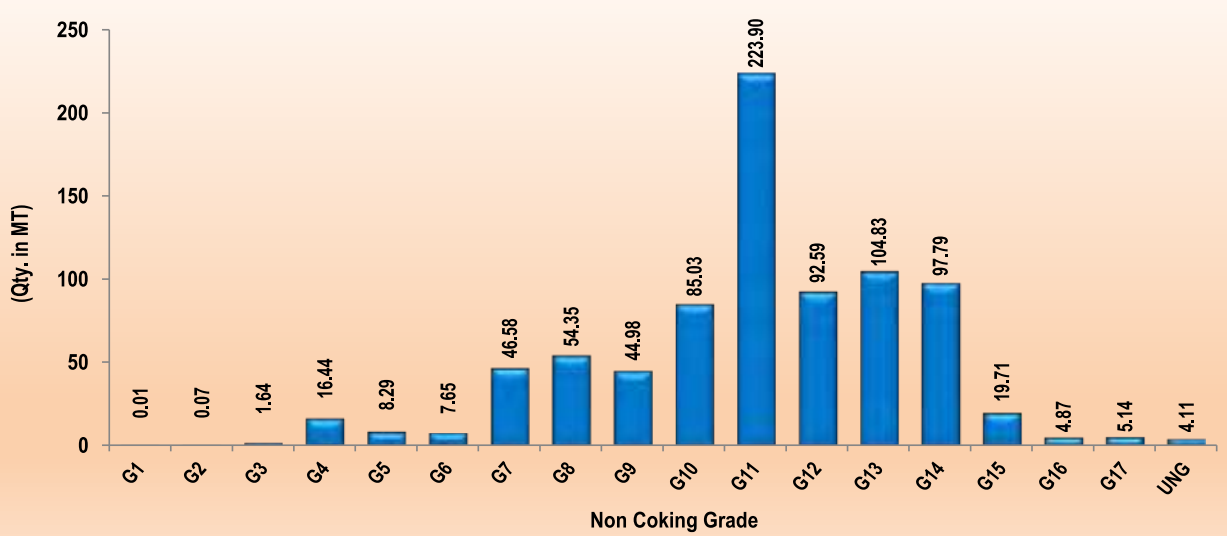
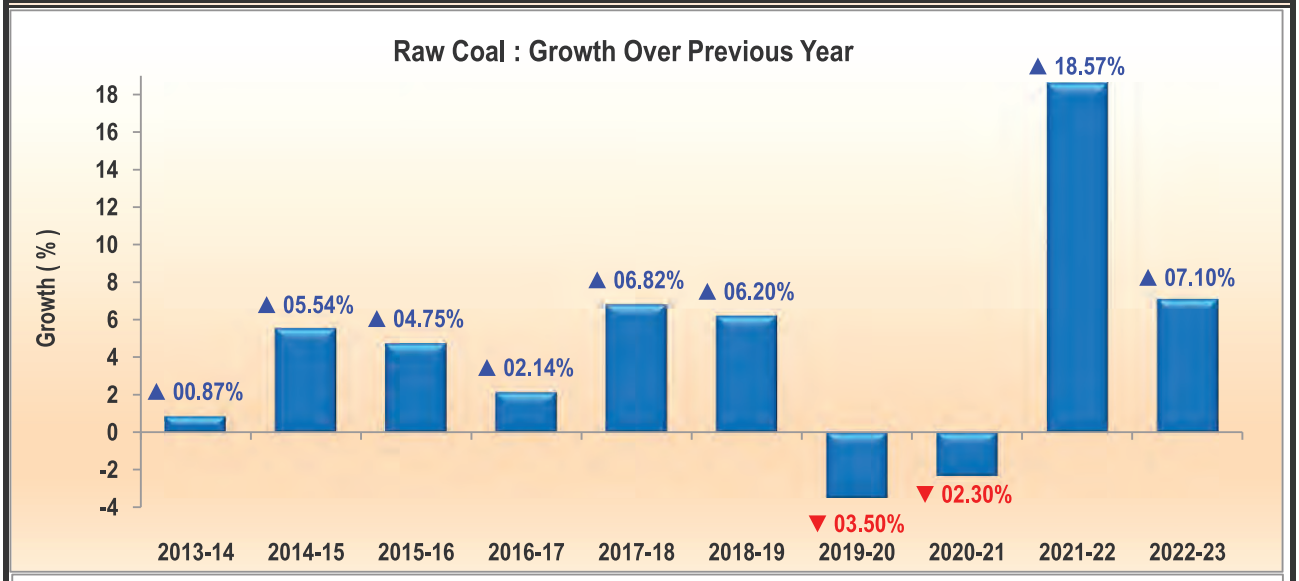


Table 4.1 : Despatch of Raw Coal and Lignite during last Ten Years

(Qty. in MT)

Year	Raw coal			Lignite			Total Solid Fossil Fuel	
	Quantity	Share in Total Solid Fossil Fuel (%)	Change Over Previous Year (%)	Quantity	Share in Total Solid Fossil Fuel (%)	Change Over Previous Year (%)	Quantity	Change Over Previous Year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2013-14	572.060	92.87	▲ 00.87%	43.897	7.13	▼ 05.22%	**615.957**	▲ 00.41%
2014-15	603.772	92.78	▲ 05.54%	46.954	7.22	▲ 06.96%	**650.726**	▲ 05.64%
2015-16	632.442	93.74	▲ 04.75%	42.211	6.26	▼ 10.10%	**674.653**	▲ 03.68%
2016-17	645.978	93.93	▲ 02.14%	43.155	6.28	▲ 02.24%	**687.716**	▲ 01.94%
2017-18	690.003	93.71	▲ 06.82%	46.317	6.29	▲ 07.33%	**736.320**	▲ 07.07%
2018-19	732.794	94.12	▲ 06.20%	45.810	5.88	▼ 01.09%	**778.604**	▲ 05.74%
2019-20	707.176	94.36	▼ 03.50%	42.267	5.64	▼ 07.73%	**749.443**	▼ 03.75%
2020-21	690.884	94.72	▼ 02.30%	38.492	5.28	▼ 08.93%	**729.376**	▼ 02.68%
2021-22	819.213	94.35	▲ 18.57%	49.074	94.35	▲ 27.49%	**868.287**	▲ 19.05%
2022-23	877.369	94.93	▲ 07.10%	46.822	94.93	▼ 04.59%	**924.191**	▲ 06.44%



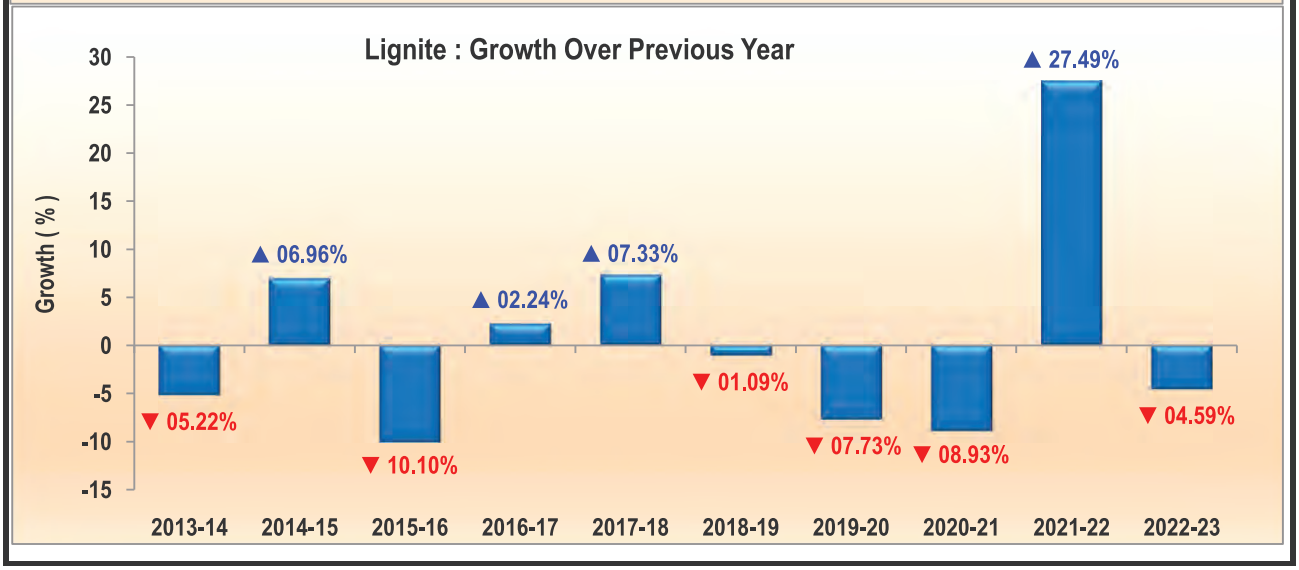
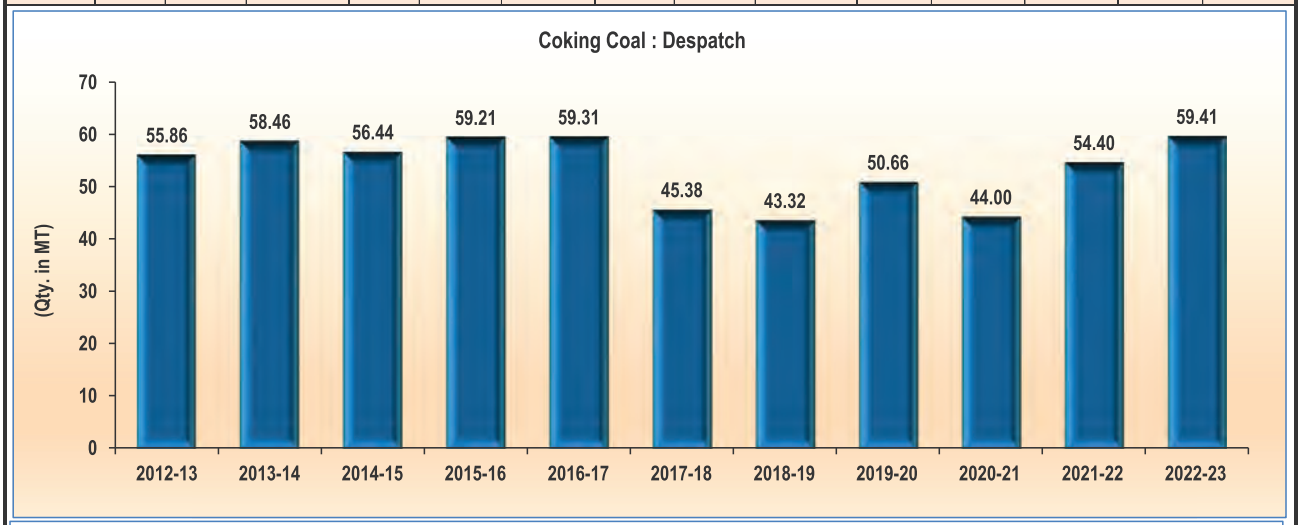


Table 4.2 : Despatch of Different Types of Raw Coal during last Ten Years

(Qty. in MT)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non-Metallurgical Coal			Total Coking Coal							
	Quantity	Share in Total Coking Coal (%)	Change Over Previous Year (%)	Quantity	Share in Total Coking Coal (%)	Change Over Previous Year (%)	Quantity	Share in Total Raw Coal (%)	Change Over Previous Year (%)	Quantity	Share in Total Raw Coal(%)	Change Over Previous Year (%)	Quantity	Change Over Previous Year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2012-13	14.799	26.49	▼ 06.94%	41.060	73.51	▲ 14.63%	55.859	9.85	▲ 08.00%	511.277	90.15	▲ 05.73%	567.136	▲ 05.95%
2013-14	15.236	26.06	▲ 02.95%	43.228	73.94	▲ 05.28%	58.464	10.22	▲ 04.66%	513.596	89.78	▲ 00.45%	572.060	▲ 00.87%
2014-15	13.264	23.50	▼ 12.94%	43.174	76.50	▼ 00.12%	56.438	9.35	▼ 03.47%	547.334	90.65	▲ 06.57%	603.772	▲ 05.54%
2015-16	13.866	23.42	▲ 04.54%	45.347	76.58	▲ 05.03%	59.213	9.36	▲ 04.92%	573.229	90.64	▲ 04.73%	632.442	▲ 04.75%
2016-17	14.039	23.67	▲ 01.25%	45.269	76.33	▼ 00.17%	59.308	9.18	▲ 00.16%	586.670	90.82	▲ 02.34%	645.978	▲ 02.14%
2017-18	34.199	75.36	▲ 143.60%	11.181	24.64	▼ 75.30%	45.380	6.58	▼ 23.48%	644.623	93.42	▲ 09.88%	690.003	▲ 06.82%
2018-19	35.255	81.39	▲ 03.09%	8.063	18.61	▼ 27.89%	43.318	5.91	▼ 04.54%	689.476	94.09	▲ 06.96%	732.794	▲ 06.20%
2019-20	34.784	68.67	▼ 01.34%	15.872	31.33	▲ 96.85%	50.656	7.16	▲ 16.94%	656.520	92.84	▼ 04.78%	707.176	▼ 03.50%
2020-21	29.569	67.20	▼ 14.99%	14.431	32.80	▼ 09.08%	44.000	6.37	▼ 13.14%	646.884	93.63	▼ 01.47%	690.884	▼ 02.30%
2021-22	36.874	67.78	▲ 24.70%	17.530	32.22	▲ 21.47%	54.403	6.64	▲ 23.64%	764.810	93.36	▲ 18.23%	819.213	▲ 18.57%
2022-23	40.917	68.87	▲ 10.97%	18.496	31.13	▲ 05.51%	59.413	6.77	▲ 09.21%	817.956	93.23	▲ 06.95%	877.369	▲ 07.10%



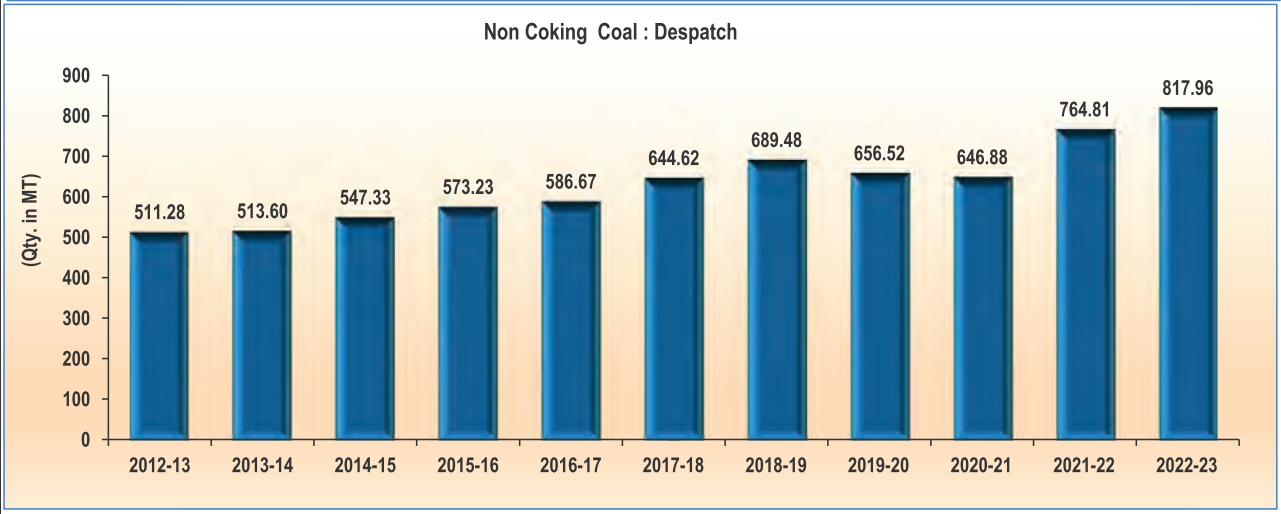
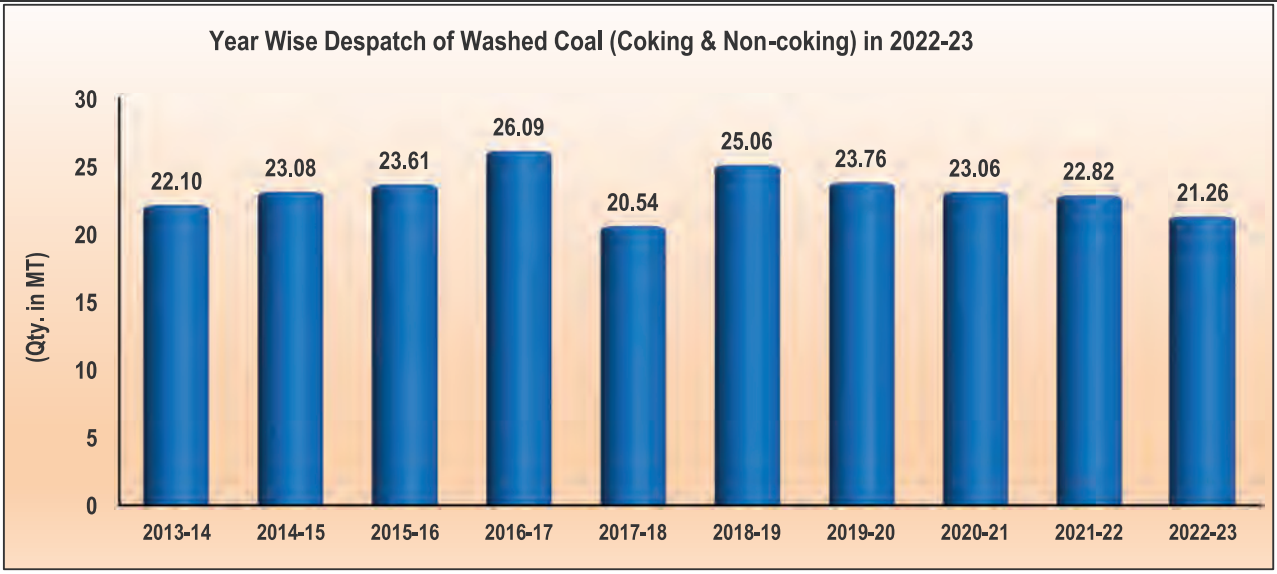
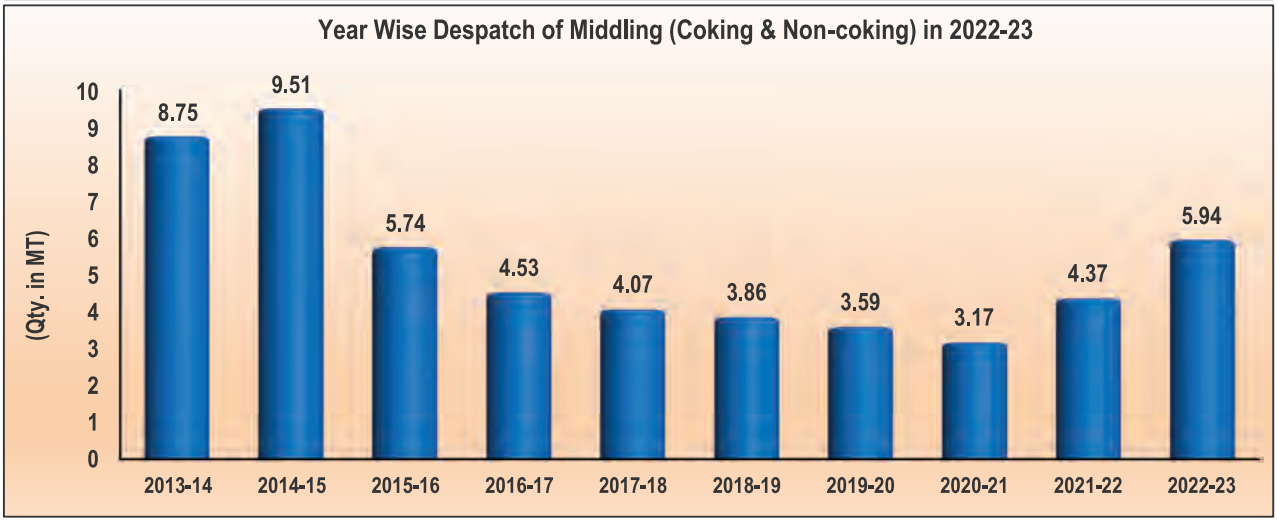


Table 4.3 : Despatch of Different types of Coal Products in last Ten Years

(Qty. in MT)

Year	Washed Coal (Coking)		Washed Coal (N-Coking)		Middlings (Coking)		Middlings (N-Coking)	
	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)
2013-14	6.645	▲ 00.47%	15.454	▲ 08.55%	4.894	▼ 09.42%	3.854	▼ 25.66%
2014-15	6.080	▼ 08.50%	16.998	▲ 09.99%	5.012	▲ 02.41%	4.493	▲ 16.58%
2015-16	6.068	▼ 00.20%	17.544	▲ 03.21%	5.735	▲ 14.43%	0.000	-
2016-17	6.515	▲ 07.37%	19.579	▲ 11.60%	4.525	▼ 21.10%	0.000	-
2017-18	5.778	▼ 11.31%	14.763	▼ 24.60%	4.071	▼ 10.03%	0.000	-
2018-19	5.551	▼ 03.93%	19.513	▲ 32.18%	3.856	▼ 05.28%	0.000	-
2019-20	5.305	▼ 04.43%	18.456	▼ 05.42%	3.591	▼ 06.87%	0.000	-
2020-21	4.458	▼ 15.97%	18.600	▲ 00.78%	3.168	▼ 11.78%	0.006	-
2021-22	4.795	▲ 07.56%	18.029	▼ 03.07%	2.869	▼ 09.43%	1.499	-
2022-23	5.277	▲ 10.05%	15.985	▼ 11.34%	3.860	▲ 34.53%	2.078	-



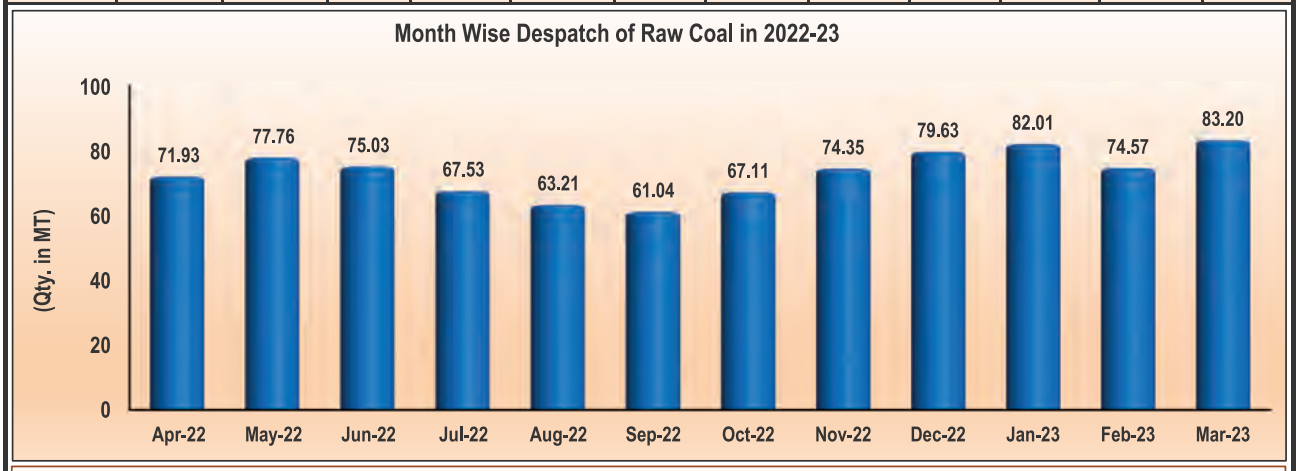


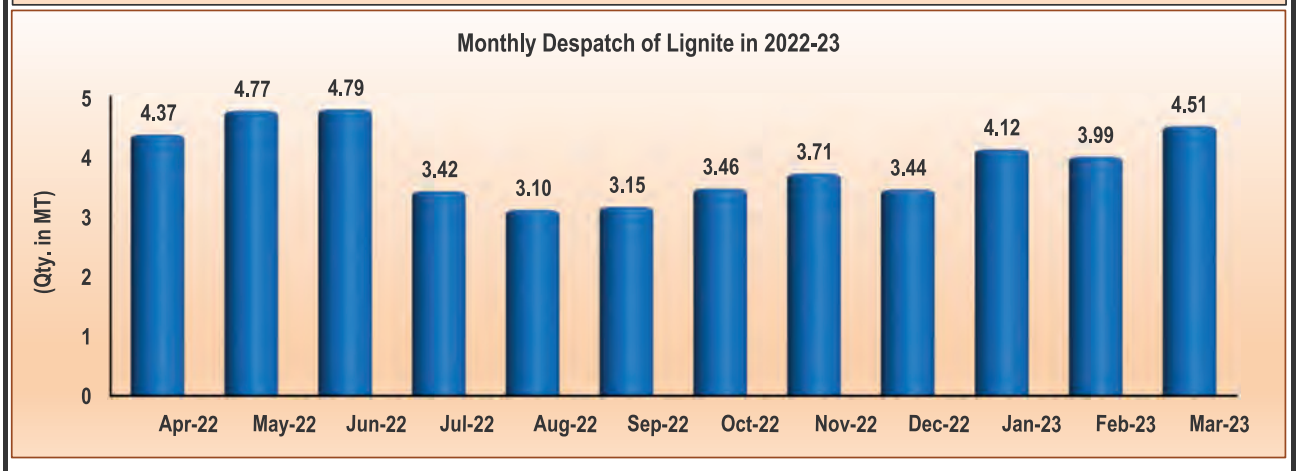
Note: 1. The above figures relates to Washeries (public & private) of only coal producing companies.

Table 4.4 : Month Wise Despatch of different types of Raw Coal and Lignite during 2022-23

(Qty. in MT)

Month	Coking Coal			Non Coking Coal			Raw Coal			Lignite		
	Quantity	Growth %	Share %	Quantity	Growth %	Share %	Quantity	Growth %	Share %	Quantity	Growth %	Share %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Apr-22	4.881	▲ 14.2%	8.22	67.053	▲ 8.8%	8.20	**71.934**	**▲ 9.2%**	**8.20**	4.367	▲ 6.3%	9.33
May-22	5.007	▲ 11.3%	8.43	72.754	▲ 15.7%	8.89	**77.761**	**▲ 15.4%**	**8.86**	4.765	▲ 18.7%	10.18
Jun-22	5.376	▲ 31.3%	9.05	69.656	▲ 18.4%	8.52	**75.032**	**▲ 19.2%**	**8.55**	4.785	▲ 12.9%	10.22
1st Quarter	**15.264**	**▲ 18.6%**	**25.69**	**209.463**	**▲ 14.3%**	**25.61**	**224.727**	**▲ 14.5%**	**25.61**	**13.917**	**▲ 12.6%**	**29.72**
Jul-22	4.723	▲ 10.1%	7.95	62.802	▲ 7.5%	7.68	**67.525**	**▲ 7.7%**	**7.70**	3.416	▼ 19.8%	7.30
Aug-22	4.193	▼ 5.6%	7.06	59.014	▲ 5.6%	7.21	**63.207**	**▲ 4.8%**	**7.20**	3.102	▼ 12.4%	6.63
Sep-22	4.112	▼ 4.0%	6.92	56.925	▲ 1.7%	6.96	**61.037**	**▲ 1.3%**	**6.96**	3.154	▼ 13.1%	6.74
2nd Quarter	**13.028**	**▲ 0.1%**	**21.93**	**178.741**	**▲ 5.0%**	**21.85**	**191.769**	**▲ 4.6%**	**21.86**	**9.672**	**▼ 15.4%**	**20.66**
Oct-22	4.432	▲ 8.9%	7.46	62.675	▼ 5.5%	7.66	**67.107**	**▼ 4.7%**	**7.65**	3.460	▼ 8.0%	7.39
Nov-22	5.226	▲ 26.0%	8.80	69.124	▲ 2.7%	8.45	**74.350**	**▲ 4.1%**	**8.47**	3.712	▲ 0.5%	7.93
Dec-22	5.304	▲ 14.5%	8.93	74.330	▲ 5.2%	9.09	**79.634**	**▲ 5.8%**	**9.08**	3.444	▼ 23.5%	7.36
3rd Quarter	**14.962**	**▲ 16.4%**	**25.18**	**206.129**	**▲ 0.9%**	**25.20**	**221.091**	**▲ 1.8%**	**25.20**	**10.616**	**▼ 11.2%**	**22.67**
Jan-23	5.162	▲ 5.4%	8.69	76.847	▲ 8.3%	9.40	**82.009**	**▲ 8.1%**	**9.35**	4.118	▼ 8.9%	8.80
Feb-23	5.095	▲ 4.5%	8.58	69.474	▲ 3.6%	8.49	**74.569**	**▲ 3.7%**	**8.50**	3.993	▼ 7.6%	8.53
Mar-23	5.902	▲ 0.0%	9.93	77.302	▲ 12.1%	9.45	**83.204**	**▲ 11.1%**	**9.48**	4.506	▲ 0.5%	9.62
4th Quarter	**16.159**	**▲ 3.1%**	**27.20**	**223.623**	**▲ 8.0%**	**27.34**	**239.782**	**▲ 7.7%**	**27.33**	**12.617**	**▼ 5.3%**	**26.95**
Total	**59.413**	**▲ 9.2%**	**100.00**	**817.956**	**▲ 6.9%**	**100.00**	**877.369**	**▲ 7.1%**	**100.00**	**46.822**	**▼ 4.6%**	**100.00**



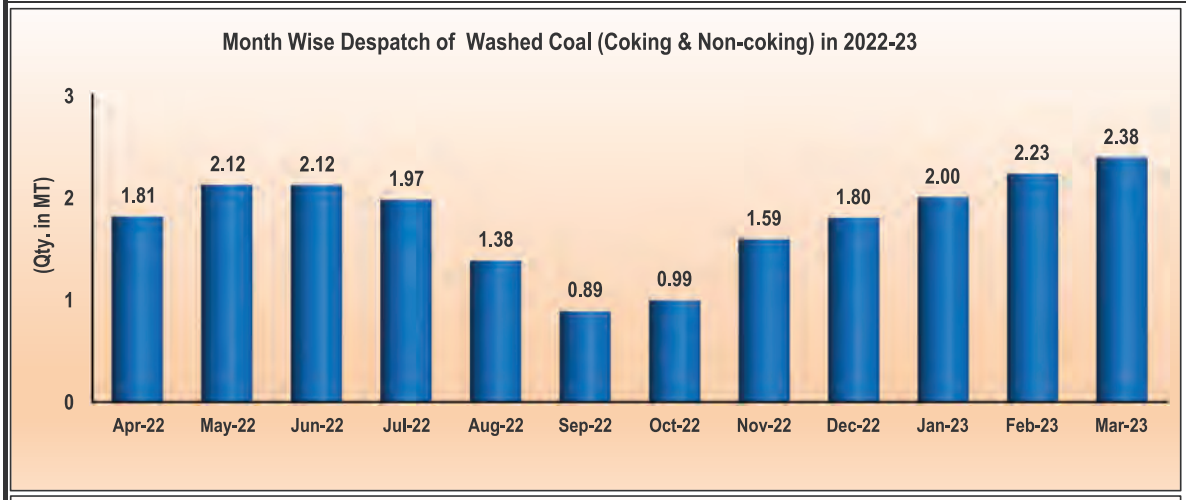


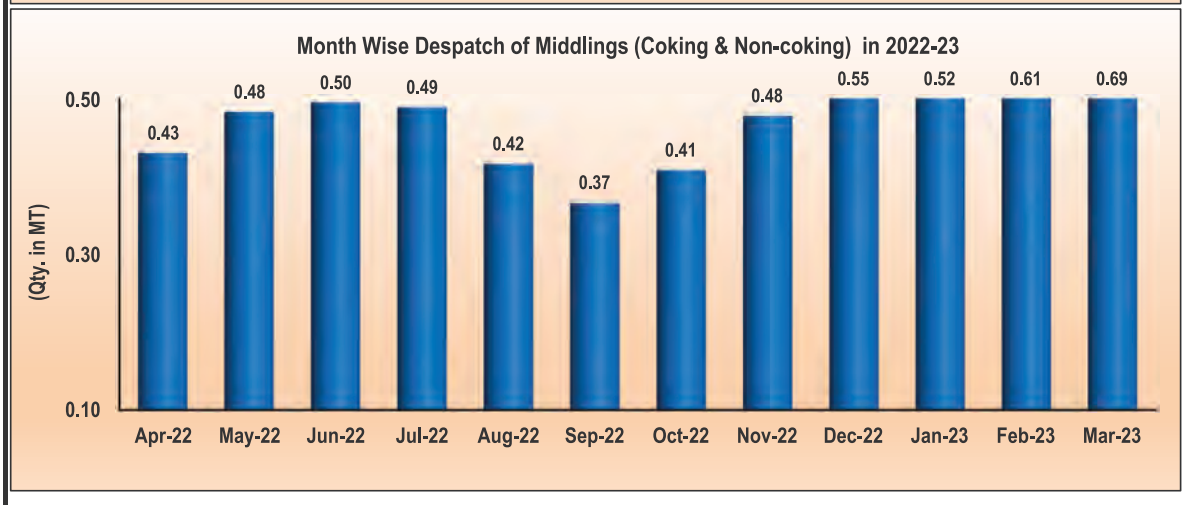
*Note: Growth figures are calculated on year on year basis

Table 4.5 : Month Wise Despatch of different types of Coal Products during 2022-23

(Qty. in MT)

Month	Washed Coal (Coking)			Washed Coal(Non-Coking)			Middlings (Coking)			Middlings (Non-Coking)		
	Quantity	Growth %	Share %	Quantity	Growth %	Share %	Quantity	Growth %	Share %	Quantity	Growth %	Share %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Apr-22	0.397	▲ 23.9%	7.52	1.413	▼ 13.0%	8.84	0.287	▲ 14.8%	7.44	0.143	▲ 1.9%	6.88
May-22	0.371	▲ 2.5%	7.03	1.747	▲ 1.8%	10.93	0.265	▲ 5.4%	6.87	0.218	▲ 93.6%	10.49
Jun-22	0.375	▲ 16.0%	7.11	1.740	▲ 19.9%	10.89	0.324	▲ 35.7%	8.39	0.171	▲ 106.5%	8.23
1st Quarter	**1.143**	**▲ 13.6%**	**21.66**	**4.900**	**▲ 2.3%**	**30.65**	**0.876**	**▲ 18.3%**	**22.69**	**0.532**	**▲ 58.5%**	**25.60**
Jul-22	0.435	▲ 12.1%	8.24	1.538	▲ 68.5%	9.62	0.318	▲ 56.9%	8.24	0.171	▲ 112.9%	8.23
Aug-22	0.358	▼ 12.2%	6.78	1.021	▲ 24.0%	6.39	0.283	▲ 49.0%	7.33	0.133	▲ 74.2%	6.40
Sep-22	0.393	▼ 8.5%	7.45	0.493	▼ 61.1%	3.08	0.264	▲ 13.1%	6.84	0.102	▼ 2.4%	4.91
2nd Quarter	**1.186**	**▼ 3.2%**	**22.47**	**3.052**	**▲ 1.6%**	**19.09**	**0.865**	**▲ 38.2%**	**22.41**	**0.406**	**▲ 55.5%**	**19.54**
Oct-22	0.425	▲ 1.6%	8.05	0.566	▼ 65.7%	3.54	0.268	▲ 30.5%	6.94	0.140	▲ 3.7%	6.74
Nov-22	0.486	▲ 23.7%	9.21	1.100	▼ 26.4%	6.88	0.301	▲ 8.5%	7.80	0.177	▲ 15.1%	8.52
Dec-22	0.516	▲ 17.1%	9.78	1.279	▼ 29.2%	8.00	0.376	▲ 23.0%	9.74	0.177	▲ 32.0%	8.52
3rd Quarter	**1.427**	**▲ 14.0%**	**27.04**	**2.945**	**▼ 40.5%**	**18.42**	**0.945**	**▲ 19.8%**	**24.48**	**0.494**	**▲ 16.8%**	**23.77**
Jan-23	0.541	▲ 20.3%	10.25	1.456	▼ 9.4%	9.11	0.347	▲ 35.6%	8.99	0.177	▲ 3.0%	8.52
Feb-23	0.470	▲ 14.0%	8.91	1.758	▲ 7.8%	11.00	0.382	▲ 76.0%	9.90	0.223	▲ 88.0%	10.73
Mar-23	0.510	▲ 13.3%	9.66	1.874	▼ 8.5%	11.72	0.445	▲ 84.1%	11.53	0.246	▲ 30.3%	11.84
4th Quarter	**1.521**	**▲ 15.9%**	**28.82**	**5.088**	**▼ 3.7%**	**31.83**	**1.174**	**▲ 64.3%**	**30.41**	**0.646**	**▲ 34.8%**	**31.09**
Total	**5.277**	**▲ 10.0%**	**100.00**	**15.985**	**▼ 11.3%**	**100.00**	**3.860**	**▲ 34.5%**	**100.00**	**2.078**	**▲ 38.6%**	**100.00**





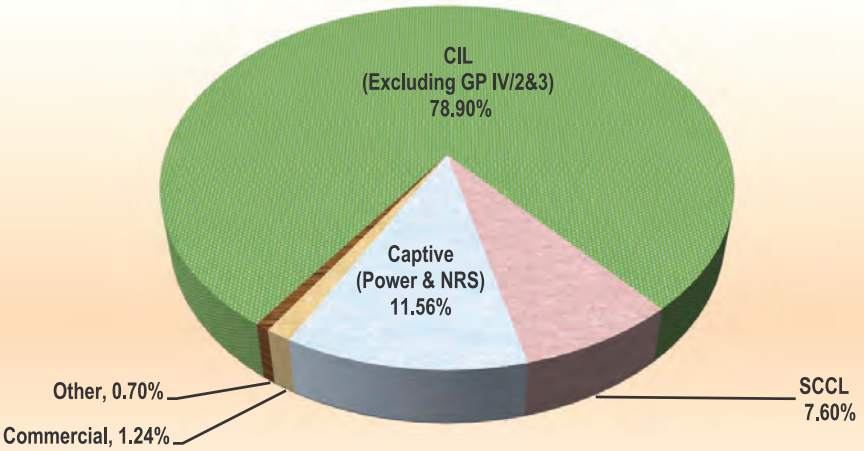
*Note: Growth figures are calculated on year on year basis.

Table 4.6 : Month Wise and Company Wise (CIL, SCCL, Captive[Power & NRS], Commercial & Other) Raw Coal Despatch during 2022-23

(Qty. in MT)

Month	CIL (Excluding GP IV/2&3)		SCCL		Captive (Power & NRS)		Commercial		Other		All India	
	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
April	57.314	79.68%	5.672	7.89%	7.771	10.80%	0.738	1.03%	0.439	0.61%	**71.934**	▲ 09.19%
May	61.003	78.45%	6.130	7.88%	9.374	12.05%	0.842	1.08%	0.412	0.53%	**77.761**	▲ 15.41%
June	58.633	78.14%	5.468	7.29%	9.424	12.56%	1.049	1.40%	0.458	0.61%	**75.032**	▲ 19.24%
July	54.054	80.05%	3.356	4.97%	8.837	13.09%	0.804	1.19%	0.474	0.70%	**67.525**	▲ 07.69%
August	50.950	80.61%	4.033	6.38%	7.200	11.39%	0.580	0.92%	0.444	0.70%	**63.207**	▲ 04.82%
September	48.751	79.87%	4.774	7.82%	6.342	10.39%	0.731	1.20%	0.439	0.72%	**61.037**	▲ 01.31%
October	53.649	79.95%	5.131	7.65%	7.086	10.56%	0.716	1.07%	0.525	0.78%	**67.107**	▼ 04.67%
November	59.338	79.81%	5.929	7.97%	7.824	10.52%	0.634	0.85%	0.625	0.84%	**74.350**	▲ 04.05%
December	62.539	78.53%	6.717	8.43%	8.865	11.13%	0.920	1.16%	0.593	0.74%	**79.634**	▲ 05.81%
January	64.263	78.36%	6.845	8.35%	9.141	11.15%	1.151	1.40%	0.609	0.74%	**82.009**	▲ 08.09%
February	57.965	77.73%	5.952	7.98%	8.722	11.70%	1.325	1.78%	0.605	0.81%	**74.569**	▲ 03.68%
March	63.759	76.63%	6.686	8.04%	10.829	13.01%	1.376	1.65%	0.554	0.67%	**83.204**	▲ 11.13%
Total	**692.218**	**78.90%**	**66.693**	**7.60%**	**101.415**	**11.56%**	**10.866**	**1.24%**	**6.177**	**0.70%**	**877.369**	▲ 07.10%

Share % of Company Wise (CIL, SCCL, Captive[Power & NRS], Commercial & Other) Raw Coal Despatch during 2022-23



Share of Month Wise Raw Coal Despatch in India during 2022-23

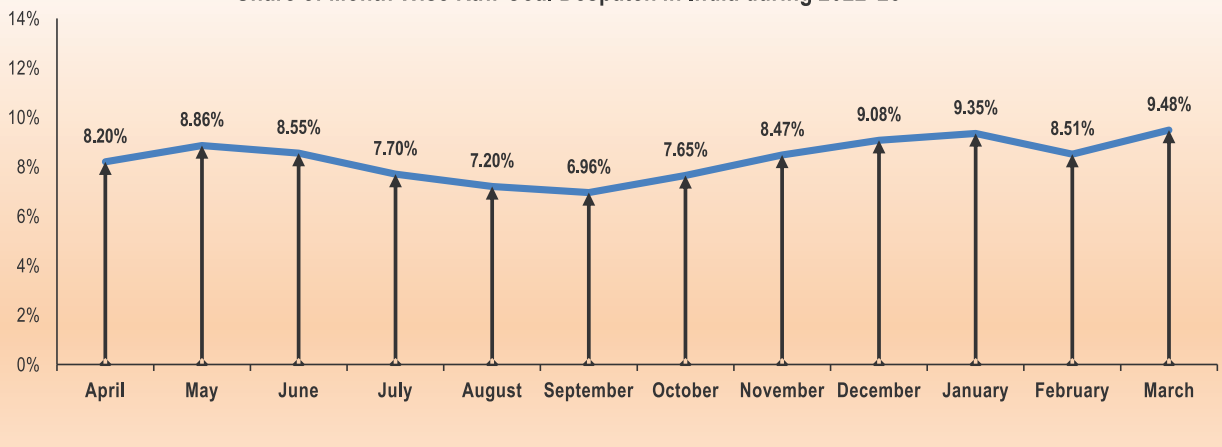


Table 4.7 : State Wise Raw Coal Despatch in India during last Ten Years

(Qty. in MT)

Year	Assam			Chhattisgarh			Jammu & Kashmir		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2013-14	0.577	0.10	▼ 06.63%	124.674	21.79	▲ 02.99%	0.013	0.00	▼ 07.14%
2014-15	0.733	0.12	▲ 27.04%	129.392	21.43	▲ 03.78%	0.013	0.00	▲ 00.00%
2015-16	0.342	0.05	▼ 53.34%	132.040	20.88	▲ 02.05%	0.012	0.00	▼ 07.69%
2016-17	0.777	0.12	▲ 127.19%	135.268	20.94	▲ 02.44%	0.011	0.00	▼ 08.33%
2017-18	0.895	0.13	▲ 15.19%	146.656	21.25	▲ 08.42%	0.021	0.00	▲ 90.91%
2018-19	0.754	0.10	▼ 15.75%	159.984	21.83	▲ 09.09%	0.016	0.00	▼ 23.81%
2019-20	0.562	0.08	▼ 25.46%	147.076	20.80	▼ 08.07%	0.010	0.00	▼ 37.50%
2020-21	0.090	0.01	▼ 83.99%	146.253	21.17	▼ 00.56%	0.008	0.00	▼ 20.00%
2021-22	0.000	0.00	▲ 00.00%	166.428	20.32	▲ 13.79%	0.018	0.00	▲ 121.46%
2022-23	0.181	0.02	▲ 100.00%	176.136	20.08	▲ 05.83%	0.010	0.00	▼ 43.56%

Year	Jharkhand			Madhya Pradesh			Maharashtra		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2013-14	116.798	20.42	▼ 02.08%	63.096	11.03	▲ 04.44%	37.205	6.50	▼ 02.90%
2014-15	122.044	20.21	▲ 04.49%	74.243	12.30	▲ 17.67%	38.553	6.39	▲ 03.62%
2015-16	118.072	18.67	▼ 03.25%	85.205	13.47	▲ 14.77%	36.444	5.76	▼ 05.47%
2016-17	120.739	18.69	▲ 02.26%	87.743	13.58	▲ 02.98%	34.954	5.41	▼ 04.09%
2017-18	126.564	18.34	▲ 04.82%	119.930	17.38	▲ 36.68%	44.070	6.39	▲ 26.08%
2018-19	136.061	18.57	▲ 07.50%	103.404	14.11	▼ 13.78%	51.793	7.07	▲ 17.52%
2019-20	132.418	18.72	▼ 02.68%	109.283	15.45	▲ 05.69%	50.008	7.07	▼ 03.45%
2020-21	122.238	17.69	▼ 07.69%	105.384	15.25	▼ 03.57%	46.571	6.74	▼ 06.87%
2021-22	138.560	16.91	▲ 13.35%	115.332	14.08	▲ 09.44%	62.755	7.66	▲ 34.75%
2022-23	150.691	17.18	▲ 08.76%	121.328	13.83	▲ 05.20%	61.320	6.99	▼ 02.29%

Year	Meghalaya			Odisha			Telangana		
	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth (%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2013-14	5.732	1.00	▲ 01.63%	116.795	20.42	▲ 02.26%	47.892	8.37	▼ 07.94%
2014-15	2.524	0.42	▼ 55.97%	125.382	20.77	▲ 07.35%	52.662	8.72	▲ 09.96%
2015-16	3.712	0.59	▲ 47.07%	140.639	22.24	▲ 12.17%	58.687	9.28	▲ 11.44%
2016-17	2.308	0.36	▼ 37.82%	143.287	22.18	▲ 01.88%	60.791	9.41	▲ 03.59%
2017-18	1.529	0.22	▼ 33.75%	138.538	20.08	▼ 03.31%	64.623	9.37	▲ 06.30%
2018-19				142.464	19.44	▲ 02.83%	68.426	9.34	▲ 05.88%
2019-20				135.878	19.21	▼ 04.62%	64.122	9.07	▼ 06.29%
2020-21				151.911	21.99	▲ 11.80%	50.533	7.31	▼ 21.19%
2021-22				193.639	23.64	▲ 27.47%	67.743	8.27	▲ 34.06%
2022-23				218.023	24.85	▲ 12.59%	69.193	7.89	▲ 02.14%

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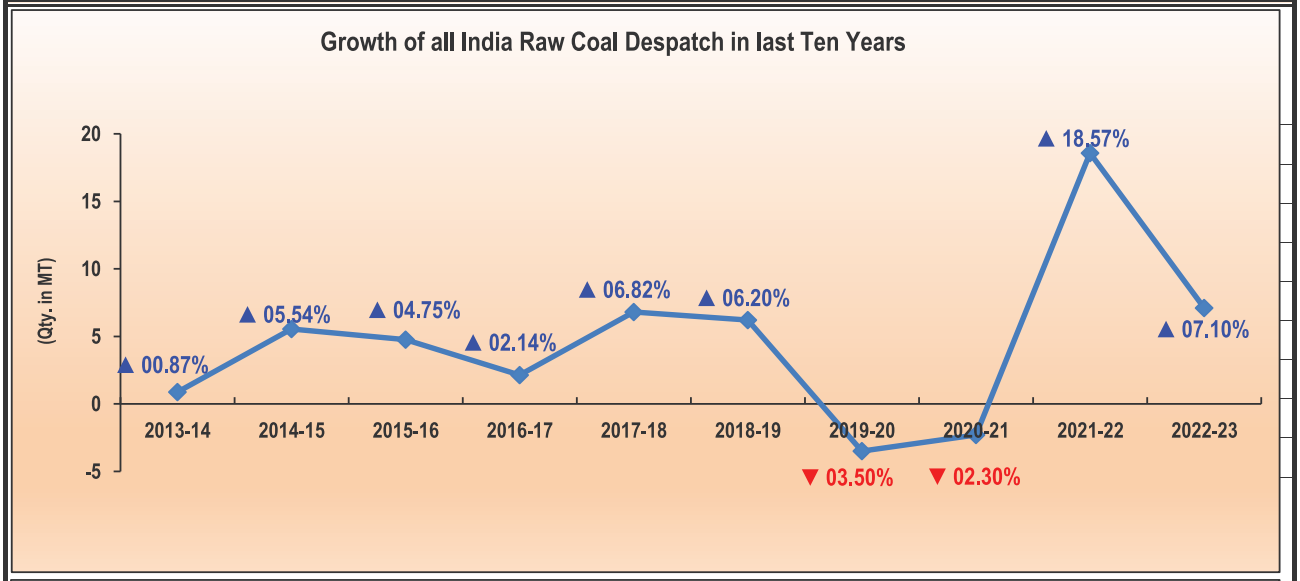
Table 4.7 : State Wise Raw Coal Despatch in India during last Ten Years

(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)	(40)
2013-14	30.807	5.39	▲ 06.88%	28.471	4.98	▲ 06.69%	572.060		▲ 00.87%
2014-15	29.021	4.81	▼ 05.80%	29.205	4.84	▲ 02.58%	603.772		▲ 05.54%
2015-16	31.815	5.03	▲ 09.63%	25.474	4.03	▼ 12.78%	632.442		▲ 04.75%
2016-17	33.006	5.11	▲ 03.74%	27.094	4.19	▲ 06.36%	645.978		▲ 02.14%
2017-18	17.227	2.50	▼ 47.81%	29.950	4.34	▲ 10.54%	690.003		▲ 06.82%
2018-19	36.654	5.00	▲ 112.77%	33.238	4.54	▲ 10.98%	732.794		▲ 06.20%
2019-20	34.775	4.92	▼ 05.13%	33.044	4.67	▼ 00.58%	707.176		▼ 03.50%
2020-21	38.355	5.55	▲ 10.29%	29.541	4.28	▼ 10.60%	690.884		▼ 02.30%
2021-22	44.804	5.47	▲ 16.81%	29.935	3.65	▲ 01.33%	819.213		▲ 18.57%
2022-23	47.340	5.40	▲ 05.66%	33.147	3.78	▲ 10.73%	877.369		▲ 07.10%



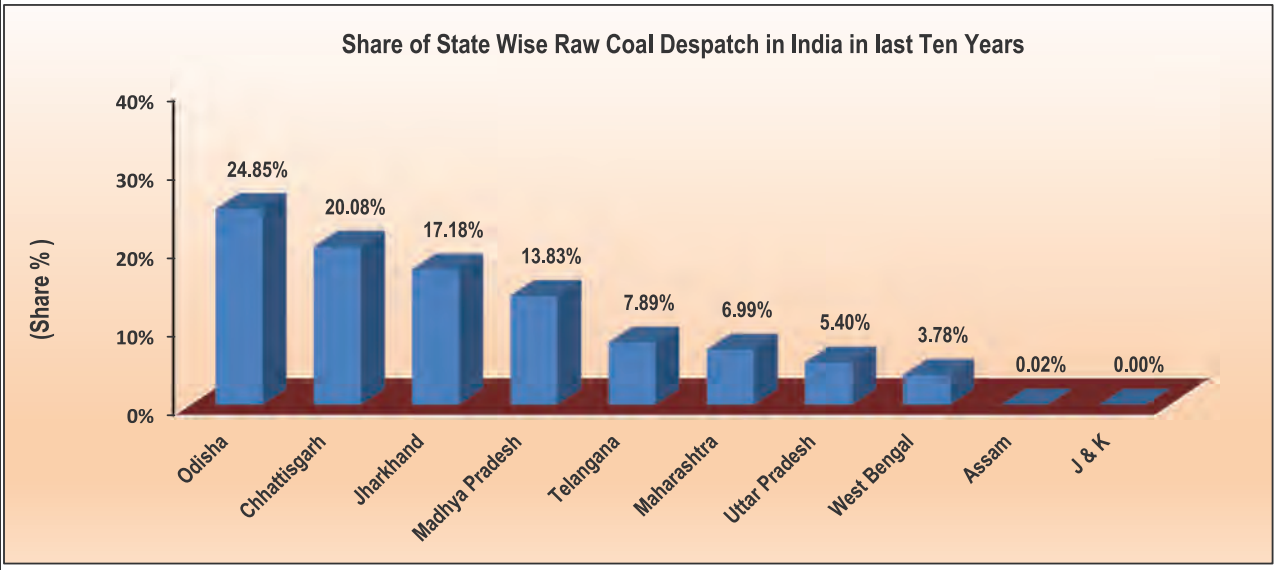


Table 4.8 : State Wise Lignite Despatch in India during last Ten Years

(Qty. in MT)

Year	Tamilnadu			Gujarat		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2013-14	24.438	55.67	▲ 00.52%	11.831	26.95	▼ 19.35%
2014-15	24.088	51.30	▼ 01.43%	12.362	26.33	▲ 04.49%
2015-16	22.493	53.29	▼ 06.62%	10.135	24.01	▼ 18.01%
2016-17	24.165	56.00	▲ 07.43%	10.545	24.44	▲ 04.05%
2017-18	23.398	50.52	▼ 03.17%	13.779	29.75	▲ 30.67%
2018-19	24.510	53.50	▲ 04.75%	12.555	27.41	▼ 08.88%
2019-20	23.775	56.25	▼ 03.00%	10.354	24.50	▼ 17.53%
2020-21	18.516	48.10	▼ 22.12%	10.819	28.11	▲ 04.49%
2021-22	25.454	51.87	▲ 37.47%	13.385	27.27	▲ 23.72%
2022-23	24.166	51.61	▼ 05.06%	12.301	26.27	▼ 08.10%

Year	Rajasthan			All India	
	Quantity	Share (%)	Growth (%)	Quantity	Growth (%)
(8)	(9)	(10)	(11)	(12)	(13)
2013-14	7.628	17.38	▲ 04.05%	**43.897**	**▼ 05.22%**
2014-15	10.504	22.37	▲ 37.70%	**46.954**	**▲ 06.96%**
2015-16	9.583	22.70	▼ 08.77%	**42.211**	**▼ 10.10%**
2016-17	8.445	19.57	▼ 11.88%	**43.155**	**▲ 02.24%**
2017-18	9.140	19.73	▲ 08.23%	**46.317**	**▲ 07.33%**
2018-19	8.746	19.09	▼ 04.31%	**45.811**	**▼ 01.09%**
2019-20	8.138	19.25	▼ 06.95%	**42.267**	**▼ 07.74%**
2020-21	9.157	23.79	▲ 12.52%	**38.492**	**▼ 08.93%**
2021-22	10.235	20.86	▲ 11.77%	**49.074**	**▲ 27.49%**
2022-23	10.355	22.12	▲ 01.18%	**46.822**	**▼ 04.59%**

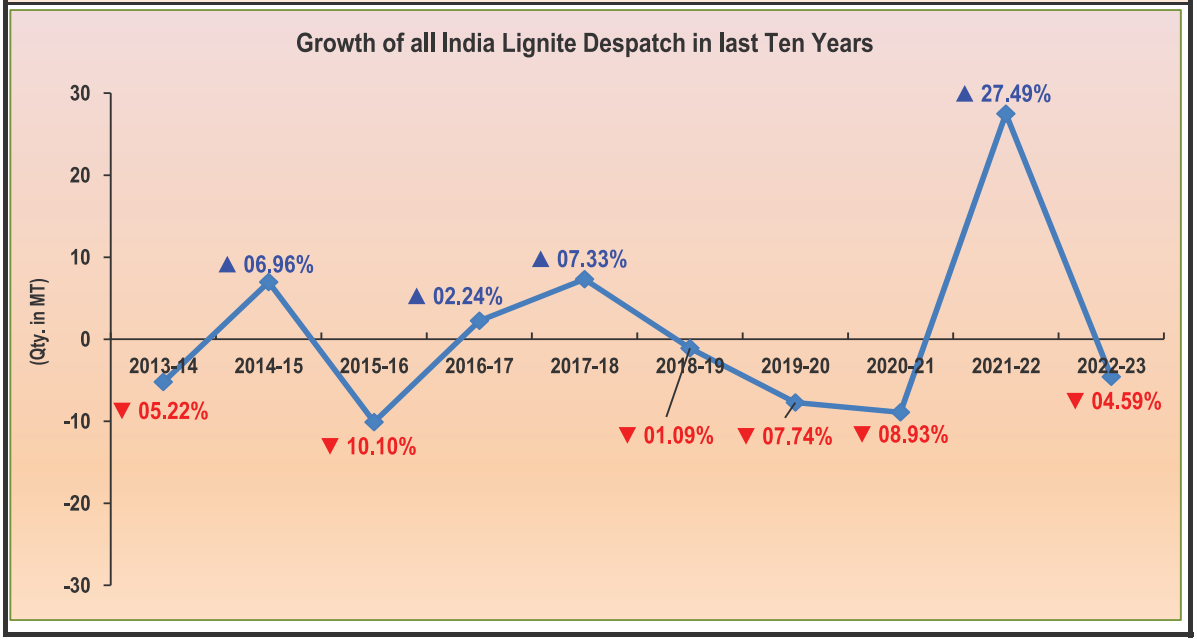


Table 4.9 : Company Wise Despatch of Raw Coal & Lignite during last Three Years

(Qty. in MT)

Company	2020-21			2021-22			2022-23		
	Coking	N-coking	Total	Coking	N-coking	Total	Coking	N-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.018	**41.844**	**41.862**	0.015	35.905	**35.920**	0.011	35.329	**35.340**
BCCL	22.112	**1.057**	**23.169**	30.556	1.745	**32.300**	33.185	2.378	**35.563**
CCL	15.473	**49.927**	**65.400**	18.327	53.488	**71.815**	19.737	55.287	**75.024**
NCL		**108.644**	**108.644**		125.662	**125.662**		133.512	**133.512**
WCL	0.184	**49.504**	**49.688**	0.156	64.008	**64.164**	0.092	62.056	**62.148**
SECL	0.271	**135.256**	**135.527**	0.244	152.551	**152.795**	0.245	157.450	**157.695**
SECL(GP-IV/2&3)		**3.241**	**3.241**		2.713	**2.713**		2.326	**2.326**
MCL		**146.007**	**146.007**		176.372	**176.372**		192.755	**192.755**
NEC		**0.090**	**0.090**			**0.000**		0.181	**0.181**
Total CIL	**38.058**	**535.570**	**573.628**	**49.297**	**612.444**	**661.741**	**53.270**	**641.274**	**694.544**
SCCL		**48.513**	**48.513**		65.533	**65.533**		66.693	**66.693**
JKML		**0.008**	**0.008**		0.018	**0.018**		0.010	**0.010**
JSMDCL		**0.069**	**0.069**		0.054	**0.054**		0.312	**0.312**
DVC			**0.000**			**0.000**			**0.000**
IISCO	**0.092**	**0.100**	**0.192**	0.080	0.024	**0.104**	0.069	0.015	**0.084**
SAIL			**0.000**	0.340		**0.340**	0.303		**0.303**
RRVUNL		**15.000**	**15.000**		15.000	**15.000**		11.801	**11.801**
NTPC		**10.939**	**10.939**		14.697	**14.697**		21.818	**21.818**
WBPDCL		**6.588**	**6.588**		11.761	**11.761**		15.697	**15.697**
CSPGCL		**1.660**	**1.660**		3.526	**3.526**		3.082	**3.082**
TSPGCL		**2.020**	**2.020**		2.210	**2.210**		2.500	**2.500**
OCPL		**1.804**	**1.804**		5.562	**5.562**		8.219	**8.219**
DPL		**0.024**	**0.024**		0.537	**0.537**		0.526	**0.526**
NLCIL		**0.700**	**0.700**		6.369	**6.369**		9.898	**9.898**
KPCL			**0.000**		1.217	**1.217**		1.646	**1.646**
THDC			**0.000**		0.000	**0.000**		0.000	**0.000**
PSPCL			**0.000**		0.000	**0.000**		0.450	**0.450**
APMDCL			**0.000**		0.000	**0.000**		1.420	**1.420**
Total Public	**38.150**	**622.995**	**661.145**	**49.718**	**738.952**	**788.670**	**53.642**	**785.361**	**839.003**

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Table 4.9 : Company Wise Despatch of Raw Coal & Lignite during last Three Years

(Qty. in MT)

Company	2020-21			2021-22			2022-23		
	Coking	N-coking	Total	Coking	N-coking	Total	Coking	N-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
TSL	5.850	0.000	5.850	4.686		4.686	5.771		5.771
HIL		0.317	0.317		0.986	0.986		0.746	0.746
SPL		18.067	18.067		18.193	18.193		16.394	16.394
SIL		0.100	0.100		0.165	0.165		0.211	0.211
CESC		1.963	1.963		1.677	1.677		1.949	1.949
BALCO		0.231	0.231			0.000		0.818	0.818
JPVL		2.801	2.801		2.800	2.800		3.139	3.139
JPL					0.286	0.286		5.611	5.611
RCCPL		0.173	0.173		0.205	0.205		0.352	0.352
TUML		0.113	0.113		0.197	0.197		0.202	0.202
AMBUJA		0.124	0.124		0.828	0.828		1.107	1.107
VEDANTA								0.038	0.038
BSMPL								0.018	0.018
SEML					0.396	0.396		1.491	1.491
BSIL					0.106	0.106		0.164	0.164
UTCL					0.018	0.018		0.355	0.355
Total Private	5.850	23.889	29.739	4.686	25.858	30.543	5.771	32.595	38.366
All India	44.000	646.884	690.884	54.403	764.810	819.213	59.413	817.956	877.369
LIGNITE :									
NLC			19.753			26.932			26.177
GMDCL			6.004			8.554			7.580
GIPCL			3.507			2.910			3.050
GPCL			1.272			1.852			1.580
RSMML			0.830			1.981			1.208
GHCL			0.036			0.069			0.091
VSLPPL			0.927			0.980			1.011
BLMCL			6.163			5.796			6.125
All India			38.492			49.074			46.822
Total Coal & Lignite			729.376			868.287			924.191

Table 4.10 : State Wise and Company Wise Despatch of Raw Coal by type in last Three Years

(Qty. in MT)

State	Company	2020-21			2021-22			2022-23		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Assam	**NEC**		0.090	**0.090**			**0.000**		0.181	**0.181**
Chhattisgarh	SECL	0.271	124.532	**124.803**	0.244	142.388	**142.632**	0.245	147.023	**147.268**
	SECL(GP-IV/2&3)		3.241	**3.241**		2.713	**2.713**		2.326	**2.326**
	SECL(GP-IV/1)			**0.000**			**0.000**			**0.000**
	RRVUNL		15.000	**15.000**		15.000	**15.000**		11.801	**11.801**
	CSPGCL		1.660	**1.660**		3.526	**3.526**		3.082	**3.082**
	NTPC		0.901	**0.901**		0.484	**0.484**		2.051	**2.051**
	HIL_GP_IV/4		0.292	**0.292**		0.563	**0.563**		0.581	**0.581**
	HIL_GP_IV/5		0.001	**0.001**			**0.000**			**0.000**
	BALCO		0.231	**0.231**			**0.000**		0.818	**0.818**
	AMBUJA		0.124	**0.124**		0.828	**0.828**		1.107	**1.107**
	JPL			**0.000**		0.286	**0.286**		5.611	**5.611**
	SEML			**0.000**		0.396	**0.396**		1.491	**1.491**
	TOTAL	**0.271**	**145.982**	**146.253**	**0.244**	**166.184**	**166.428**	**0.245**	**175.891**	**176.136**
Jammu & Kashmir	**JKML**		0.008	**0.008**		0.018	**0.018**		0.010	**0.010**
Jharkhand	ECL	0.018	16.716	**16.734**	0.015	11.221	**11.236**	0.011	8.531	**8.542**
	BCCL	22.112	1.040	**23.152**	30.455	1.669	**32.124**	33.185	2.378	**35.563**
	CCL	15.473	49.927	**65.400**	18.327	53.488	**71.815**	19.737	55.287	**75.024**
	JSMDCL		0.069	**0.069**		0.054	**0.054**		0.312	**0.312**
	DVC			**0.000**			**0.000**			**0.000**
	IISCO	0.092		**0.092**	0.080		**0.080**	0.069		**0.069**
	SAIL			**0.000**	0.340		**0.340**	0.303		**0.303**
	NTPC		6.638	**6.638**		8.878	**8.878**		12.654	**12.654**
	WBPDCL		4.279	**4.279**		8.923	**8.923**		11.838	**11.838**
	PSPCL								0.450	**0.450**
	TSL	5.850		**5.850**	4.686		**4.686**	5.771		**5.771**
	HIL_KOC		0.024	**0.024**		0.423	**0.423**		0.165	**0.165**
	TOTAL	**43.545**	**78.693**	**122.238**	**53.903**	**84.656**	**138.560**	**59.076**	**91.615**	**150.691**
Madhya Pradesh	NCL		70.289	**70.289**		80.858	**80.858**		86.172	**86.172**
	WCL	0.184	3.146	**3.330**	0.156	2.939	**3.095**	0.092	2.959	**3.051**
	SECL		10.724	**10.724**		10.163	**10.163**		10.427	**10.427**
	APMDCL			**0.000**		0.000	**0.000**		1.420	**1.420**
	RCCPL		0.173	**0.173**		0.205	**0.205**		0.352	**0.352**
	SPL		18.067	**18.067**		18.193	**18.193**		16.394	**16.394**
	BSMPL								0.018	**0.018**
	JPVL		2.801	**2.801**		2.800	**2.800**		3.139	**3.139**
	THDC						**0.000**			**0.000**
	UTCL			**0.000**		0.018	**0.018**		0.355	**0.355**
	TOTAL	**0.184**	**105.200**	**105.384**	**0.156**	**115.176**	**115.332**	**0.092**	**121.236**	**121.328**

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Table 4.10 : State Wise and Company Wise Despatch of Raw Coal by type in last Three Years

(Qty. in MT)

State	Company	2020-21			2021-22			2022-23		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Maharashtra	WCL		46.358	**46.358**		61.069	**61.069**		59.097	**59.097**
	KPCL			**0.000**		1.217	**1.217**		1.646	**1.646**
	BSIL			**0.000**		0.106	**0.106**		0.164	**0.164**
	SIL		0.100	**0.100**		0.165	**0.165**		0.211	**0.211**
	TUML		0.113	**0.113**		0.197	**0.197**		0.202	**0.202**
	TOTAL	**0.000**	**46.571**	**46.571**	**0.000**	**62.755**	**62.755**	**0.000**	**61.320**	**61.320**
Odisha	MCL		146.007	**146.007**		176.372	**176.372**		192.755	**192.755**
	OCPL		1.804	**1.804**		5.562	**5.562**		8.219	**8.219**
	NTPC		3.400	**3.400**		5.336	**5.336**		7.113	**7.113**
	NLCIL		0.700	**0.700**		6.369	**6.369**		9.898	**9.898**
	Vedanta								0.038	**0.038**
	TOTAL	**0.000**	**151.911**	**151.911**	**0.000**	**193.639**	**193.639**	**0.000**	**218.023**	**218.023**
Telangana	SCCL		48.513	**48.513**		65.533	**65.533**		66.693	**66.693**
	TSPGCL		2.020	**2.020**		2.210	**2.210**		2.500	**2.500**
	TOTAL	**0.000**	**50.533**	**50.533**	**0.000**	**67.743**	**67.743**	**0.000**	**69.193**	**69.193**
Uttar Pradesh	**NCL**		**38.355**	**38.355**		**44.804**	**44.804**		**47.340**	**47.340**
West Bengal	ECL		25.128	**25.128**		24.684	**24.684**		26.798	**26.798**
	BCCL		0.017	**0.017**	0.100	0.076	**0.176**			**0.000**
	IISCO		0.100	**0.100**		0.024	**0.024**		0.015	**0.015**
	WBPDCL		2.309	**2.309**		2.837	**2.837**		3.859	**3.859**
	DPL		0.024	**0.024**		0.537	**0.537**		0.526	**0.526**
	CESC		1.963	**1.963**		1.677	**1.677**		1.949	**1.949**
	TOTAL	**0.000**	**29.541**	**29.541**	**0.100**	**29.835**	**29.935**	**0.000**	**33.147**	**33.147**
Total Public		**38.150**	**622.995**	**661.145**	**49.718**	**738.952**	**788.670**	**53.642**	**785.361**	**839.003**
Total Private		**5.850**	**23.889**	**29.739**	**4.686**	**25.857**	**30.543**	**5.771**	**32.595**	**38.366**
All India		**44.000**	**646.884**	**690.884**	**54.403**	**764.809**	**819.213**	**59.413**	**817.956**	**877.369**

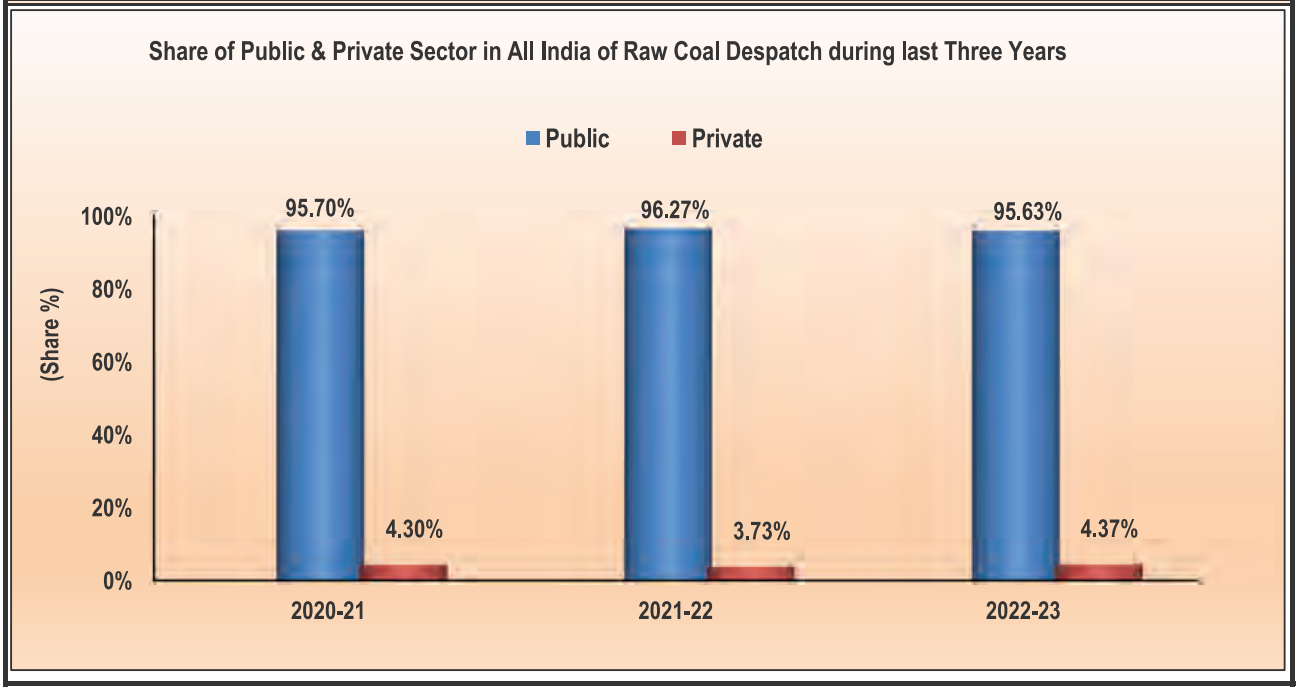


Table 4.11 : Raw Coal Despatch of Coal Blocks Vested/Allocated as per CMN & CM(SP) Act during last Three Years

(Qty. in MT)

Block	Act	End Use	Company	State	2020-21			2021-22			2022-23		
					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)	(13)	(14)
Gare Palma IV/1	CM(SP)	Power	SECL	Chhattisgarh			0.000			0.000			0.000
Parsa East & Kanta Basan			RRVUNL			15.000	15.000		15.000	15.000		11.801	11.801
Tallipalli			NTPC			0.901	0.901		0.484	0.484		2.051	2.051
Gare Palma Sector-III			CSPGCL			1.660	1.660		3.526	3.526		3.082	3.082
Pakri Barwadih	CMN		NTPC	Jharkhand		6.638	6.638		8.878	8.878		12.516	12.516
Tubed	CM(SP)		DVC										0.000
Chatti Bariatu			NTPC									0.138	0.138
Pachhwara Central			PSPCL									0.450	0.450
Pachhwara North			WBPDCL			4.279	4.279		8.923	8.923		11.838	11.838
Amelia			THDC	Madhya Pradesh									0.000
Baranj I-IV, Kiloni &			KPCL	Maharashtra					1.217	1.217		1.646	1.646
Dulanga			NTPC	Odisha		3.400	3.400		5.336	5.336		7.113	7.113
Manoharpur			OCPL			1.804	1.804		5.562	5.562		8.219	8.219
Talabira II & III			NLCIL			0.700	0.700		6.369	6.369		9.898	9.898
Tadicherla			TSPGCL	Telangana		2.020	2.020		2.210	2.210		2.500	2.500
Barjora			WBPDCL	West Bengal		0.207	0.207		0.249	0.249		0.670	0.670
Barjora North			WBPDCL			0.678	0.678		1.202	1.202		1.845	1.845
Gangaramchak Bhadulia			WBPDCL			1.424	1.424		1.386	1.386		1.344	1.344
Trans Damodar			DPL			0.024	0.024		0.537	0.537		0.526	0.526
		Total Power			0.000	38.735	38.735	0.000	60.879	60.879	0.000	75.637	75.637
Gare Palma IV/2 & 3	CM(SP)	Comercial	SECL	Chhattisgarh		3.241	3.241		2.713	2.713		2.326	2.326
Suliyari			APMDCL	Madhya Pradesh			0.000		0.000	0.000		1.420	1.420
		Total Comercial			0.000	3.241	3.241	0.000	2.713	2.713	0.000	3.746	3.746
Tasra	CMN	NRS	SAIL	Jharkhand			0.000	0.340		0.340	0.303		0.303
		Total NRS			0.000	0.000	0.000	0.340	0.000	0.340	0.303	0.000	0.303
Total Public					0.000	41.976	41.976	0.340	63.592	63.932	0.303	79.383	79.686
Moher & Moher Amlori Extn	CMN	Power	SPL	Madhya Pradesh		18.067	18.067		18.193	18.193		16.394	16.394
Amelia North	CM(SP)		JPVL			2.801	2.801		2.800	2.800		3.139	3.139
Talabira I			GMR	Odisha			0.000			0.000			0.000
Sarshatali			CESC	West Bengal		1.963	1.963		1.677	1.677		1.949	1.949
		Total Power			0.000	22.831	22.831	0.000	22.670	22.670	0.000	21.482	21.482
Gare Palma IV/1	CM(SP)	Comercial	JPL	Chhattisgarh			0.000		0.286	0.286		5.611	5.611
Gare Palma IV/7			SEML				0.000		0.396	0.396		1.491	1.491
Goitoria East & West			BSMPL	Madhya Pradesh			0.000			0.000		0.018	0.018
		Total Comercial			0.000	0.000	0.000	0.000	0.682	0.682	0.000	7.120	7.120
Gare Palma IV/4	CM(SP)	NRS	HIL	Chhattisgarh		0.292	0.292		0.563	0.563		0.581	0.581
Gare Palma IV/5			HIL			0.001	0.001			0.000			0.000
Chotia II			BALCO			0.231	0.231			0.000		0.818	0.818
Gare Palma IV/8			AMBUJA			0.124	0.124		0.828	0.828		1.107	1.107
Kathautia			HIL	Jharkhand		0.024	0.024		0.423	0.423		0.165	0.165
Sial Ghogri			RCCPL	Madhya Pradesh		0.173	0.173		0.205	0.205		0.352	0.352
Bicharpur			UTCL				0.000		0.018	0.018		0.355	0.355
Belgaon			SIL	Maharastra		0.100	0.100		0.165	0.165		0.211	0.211
Marki Mangli I			TUML			0.113	0.113		0.197	0.197		0.202	0.202
Marki Mangli III			BSIL				0.000		0.106	0.106		0.164	0.164
Ardhagram			OCL	Odisha			0.000			0.000			0.000
Jamkhani			Vedanta									0.038	0.038
		Total NRS			0.000	1.058	1.058	0.000	2.505	2.505	0.000	3.993	3.993
Total Private					0.000	23.889	23.889	0.000	25.857	25.857	0.000	32.595	32.595
Grand Total					0.000	65.865	65.865	0.340	89.449	89.789	0.303	111.978	112.281

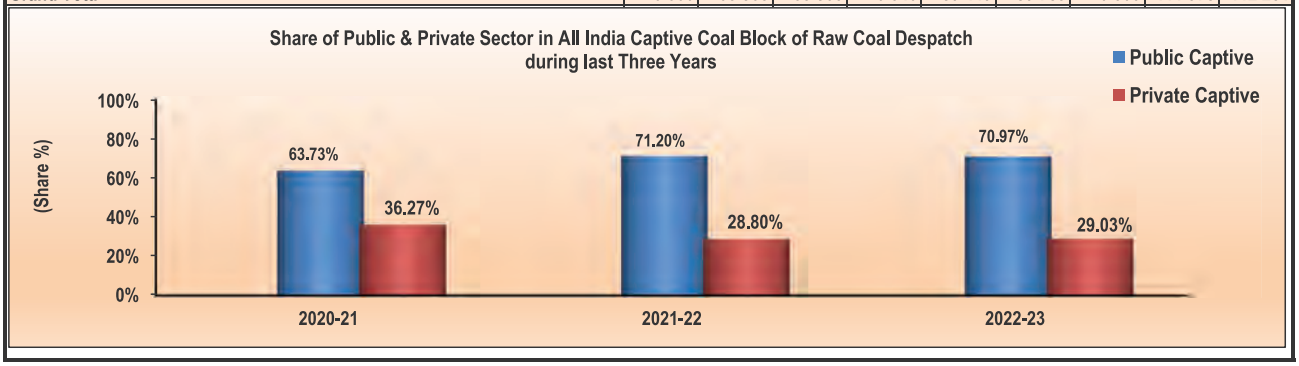


Table 4.12 : Despatch & Off-take of Raw Coal & Coal Products (Washed Coal & Middlings) by Companies in 2022-23

(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	35.340	35.507				
BCCL	35.563	35.563	1.422	1.422	2.497	2.497
CCL	75.024	75.024	4.400	4.400	0.798	0.798
NCL	133.512	133.512				
WCL	62.148	62.152				
SECL	157.695	157.703				
SECL(GP-IV/2&3)	2.326	2.326				
MCL	192.755	192.756				
NEC	0.181	0.181				
Total CIL	**694.544**	**694.724**	**5.822**	**5.822**	**3.295**	**3.295**
SCCL	66.693	66.693				
JKML	0.010	0.010				
JSMDCL	0.312	0.312				
DVC	0.000	0.000				
IISCO	0.084	0.084	0.610	0.610	0.565	0.565
SAIL	0.303	0.303				
RRVUNL	11.801	11.801	9.080	9.080		
NTPC	21.818	21.818				
WBPDCL	15.697	15.697				
CSPGCL	3.082	3.082				
TSPGCL	2.500	2.500				
OCPL	8.219	8.219				
DPL	0.526	0.526				
NLCIL	9.898	9.898				
KPCL	1.646	1.646				
THDC	0.000	0.000				
PSPCL	0.450	0.450				
APMDCL	1.420	1.420				
Total Public	**839.003**	**839.183**	**15.512**	**15.512**	**3.860**	**3.860**
TSL	5.771	5.771	2.536	2.536	1.620	1.620
HIL	0.746	0.746				
SPL	16.394	16.394				
SIL	0.211	0.211				
CESC	1.949	1.949	0.655	0.655		
BALCO	0.818	0.818				
JPVL	3.139	3.139				
JPL	5.611	5.611	2.104	2.104		
RCCPL	0.352	0.352				
TUML	0.202	0.202	0.014	0.014		
AMBUJA	1.107	1.107				
VEDANTA	0.038	0.038				
BSMPL	0.018	0.018				
SEML	1.491	1.491	0.420	0.420	0.415	0.415
BSIL	0.164	0.164	0.021	0.021	0.043	0.043
UTCL	0.355	0.355				
Total Private	**38.366**	**38.366**	**5.750**	**5.750**	**2.078**	**2.078**
All India	**877.369**	**877.549**	**21.262**	**21.262**	**5.938**	**5.938**

Table 4.13 : Grade Wise Despatch of Coking Coal by Companies during 2022-23

(Qty. in MT)

Company	Despatch of Coking Coal									
	Steel-I	Steel-II	Semi Coking-I	Wash I	Wash II	Wash III	Wash IV	Wash V	Wash VI	Total Coking
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ECL						0.011				**0.011**
BCCL				0.168	2.159	2.523	10.988	17.098	0.249	**33.185**
CCL					0.077	0.776	12.916	4.310	1.658	**19.737**
NCL										**0.000**
WCL							0.092			**0.092**
SECL			0.245							**0.245**
SECL(GP-IV/2&3)										**0.000**
MCL										**0.000**
NEC										**0.000**
Total CIL	**0.000**	**0.000**	**0.245**	**0.168**	**2.236**	**3.310**	**23.996**	**21.408**	**1.907**	**53.270**
SCCL										**0.000**
JKML										**0.000**
DVC										**0.000**
IISCO						0.008	0.061			**0.069**
SAIL								0.303		**0.303**
JSMDCL										**0.000**
RRVUNL										**0.000**
NTPC										**0.000**
WBPDCL										**0.000**
CSPGCL										**0.000**
TSPGCL										**0.000**
OCPL										**0.000**
DPL										**0.000**
NLCIL_T-II&III										**0.000**
APMDCL										**0.000**
PSPCL										**0.000**
THDC										**0.000**
KPCL										**0.000**
Total Public	**0.000**	**0.000**	**0.245**	**0.168**	**2.236**	**3.318**	**24.057**	**21.711**	**1.907**	**53.642**
TSL					0.329	0.334	5.108			**5.771**
CESC										**0.000**
HIL										**0.000**
SPL										**0.000**
BALCO										**0.000**
SIL										**0.000**
JPVL										**0.000**
JPL										**0.000**
RCCPL										**0.000**
TUML										**0.000**
AMBUJA										**0.000**
BSIL										**0.000**
UTCL										**0.000**
SEML										**0.000**
Vedanta										**0.000**
BSMPL										**0.000**
Total Private	**0.000**	**0.000**	**0.000**	**0.000**	**0.329**	**0.334**	**5.108**	**0.000**	**0.000**	**5.771**
All India	**0.000**	**0.000**	**0.245**	**0.168**	**2.565**	**3.652**	**29.165**	**21.711**	**1.907**	**59.413**

Table 4.14 : Grade Wise Despatch of Non Coking Coal by Companies during 2022-23

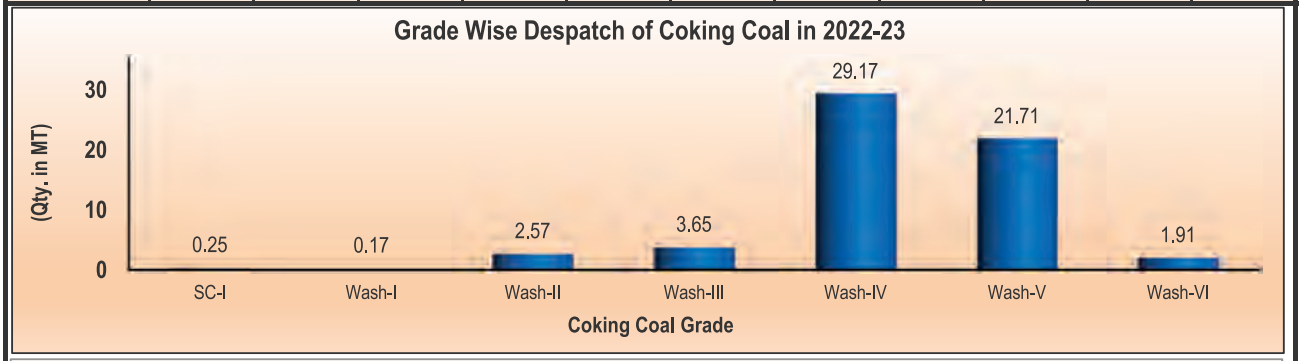
(Qty. in MT)

Companies	Despatch of Non-coking Coal																		Total Coal
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	UNG	Total N-coking	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
ECL			0.862	16.050	6.211	1.551	2.830	2.080		0.082	0.011		5.652						35.329	35.340
BCCL					0.491	0.034	0.937	0.880		0.036									2.378	35.563
CCL				0.007	0.223	0.185	2.604	5.231	2.675	2.025	25.788	8.170	4.677					3.702	55.287	75.024
NCL							34.036	28.719	3.258	23.641	32.500	7.801	3.557						133.512	133.512
WCL						0.115	0.132	1.239	6.123	17.943	24.788	6.533	5.180			0.001	0.002		62.056	62.148
SECL			0.714	0.333	0.498	3.809	2.407	6.735	2.158	11.137	112.534	1.399	4.868	0.131	9.969	0.758			157.450	157.695
SECL(GP-IV/2&3)											0.365			0.351	1.610				2.326	2.326
MCL								0.067	0.110	0.265		62.038	57.516	72.759					192.755	192.755
NEC	0.008	0.062	0.063	0.048															0.181	0.181
CIL	**0.008**	**0.062**	**1.639**	**16.438**	**7.423**	**5.694**	**42.946**	**44.951**	**14.324**	**55.129**	**195.986**	**85.941**	**81.450**	**73.241**	**11.579**	**0.759**	**0.002**	**3.702**	**641.274**	**694.544**
SCCL					0.865	0.351	2.691	8.560	1.710	12.301	15.050		11.173	6.677	6.910			0.405	66.693	66.693
JKML		0.010																	0.010	0.010
DVC																			0.000	0.000
IISCO						0.015													0.015	0.084
SAIL																			0.000	0.303
JSMDCL												0.312							0.312	0.312
RRVUNL											7.929		0.599			3.273			11.801	11.801
NTPC									12.516		0.138	0.061	2.303	6.800					21.818	21.818
WBPDCL							0.670		11.838		1.344	0.106	1.739						15.697	15.697
CSPGCL													0.873	0.777	0.597	0.835			3.082	3.082
TSPGCL									2.500										2.500	2.500
OCPL														7.997			0.222		8.219	8.219
DPL									0.443			0.083							0.526	0.526
NLCIL_T-II&III													8.279	1.619					9.898	9.898
APMDCL						1.420													1.420	1.420
PSPCL								0.014		0.436									0.450	0.450
THDC																			0.000	0.000
KPCL									1.646										1.646	1.646
Public	**0.008**	**0.072**	**1.639**	**16.438**	**8.288**	**7.480**	**46.307**	**53.525**	**44.977**	**67.866**	**220.447**	**86.503**	**106.416**	**97.111**	**19.086**	**4.867**	**0.224**	**4.107**	**785.361**	**839.003**
TSL																			0.000	5.771
CESC												1.949							1.949	1.949
HIL						0.165	0.273					0.308							0.746	0.746
SPL										16.394									16.394	16.394
BALCO								0.247				0.571							0.818	0.818
SIL								0.211											0.211	0.211
JPVL											3.139								3.139	3.139
JPL												0.304			0.624		4.683		5.611	5.611
RCCPL							0.352												0.352	0.352
TUML													0.202						0.202	0.202
AMBUJA										0.604	0.232	0.271							1.107	1.107
BSIL													0.164						0.164	0.164
UTCL								0.016		0.170		0.169							0.355	0.355
SEML												0.581		0.680			0.230		1.491	1.491
Vedanta													0.038						0.038	0.038
BSMPL											0.018								0.018	0.018
Private	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.165**	**0.625**	**0.474**	**0.000**	**17.168**	**3.389**	**4.153**	**0.404**	**0.680**	**0.624**	**0.000**	**4.913**	**0.000**	**32.595**	**38.366**
All India	**0.008**	**0.072**	**1.639**	**16.438**	**8.288**	**7.645**	**46.932**	**53.999**	**44.977**	**85.034**	**223.836**	**90.656**	**106.820**	**97.791**	**19.710**	**4.867**	**5.137**	**4.107**	**817.956**	**877.369**

Table 4.15 : Grade Wise and State Wise Despatch of Coking Coal and Non-Coking Coal in 2022-23

(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											**0.000**
Steel-II											**0.000**
SC-I		0.245									**0.245**
Wash-I				0.168							**0.168**
Wash-II				2.565							**2.565**
Wash-III				3.652							**3.652**
Wash-IV				29.073	0.092						**29.165**
Wash-V				21.711							**21.711**
Wash-VI				1.907							**1.907**
Tot Ckg.	**0.000**	**0.245**	**0.000**	**59.076**	**0.092**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**59.413**
G1	0.008										**0.008**
G2	0.062		0.010								**0.072**
G3	0.063	0.714		0.211						0.651	**1.639**
G4	0.048	0.333		0.172						15.885	**16.438**
G5		0.439		1.278	0.059			0.865		5.647	**8.288**
G6		0.952		0.420	4.365	0.027		0.351		1.530	**7.645**
G7		1.718		5.041	35.407	0.075		2.691		2.000	**46.932**
G8		2.264		6.435	8.289	0.739	0.067	8.560	25.875	1.770	**53.999**
G9		1.024		27.029	3.545	6.034	0.110	4.210	2.582	0.443	**44.977**
G10		11.175		2.579	33.965	17.943	0.265	12.301	6.806		**85.034**
G11		121.060		25.937	23.645	24.723		15.050	12.077	1.344	**223.836**
G12		3.495		8.482	8.270	6.233	62.038			2.138	**90.656**
G13		8.330		10.329	3.557	5.546	66.146	11.173		1.739	**106.820**
G14		1.808			0.131		89.175	6.677			**97.791**
G15		12.800						6.910			**19.710**
G16		4.866			0.001						**4.867**
G17		4.913			0.002		0.222				**5.137**
UNG				3.702				0.405			**4.107**
Tot. Nckg	**0.181**	**175.891**	**0.010**	**91.615**	**121.236**	**61.320**	**218.023**	**69.193**	**47.340**	**33.147**	**817.956**
Total Coal	**0.181**	**176.136**	**0.010**	**150.691**	**121.328**	**61.320**	**218.023**	**69.193**	**47.340**	**33.147**	**877.369**



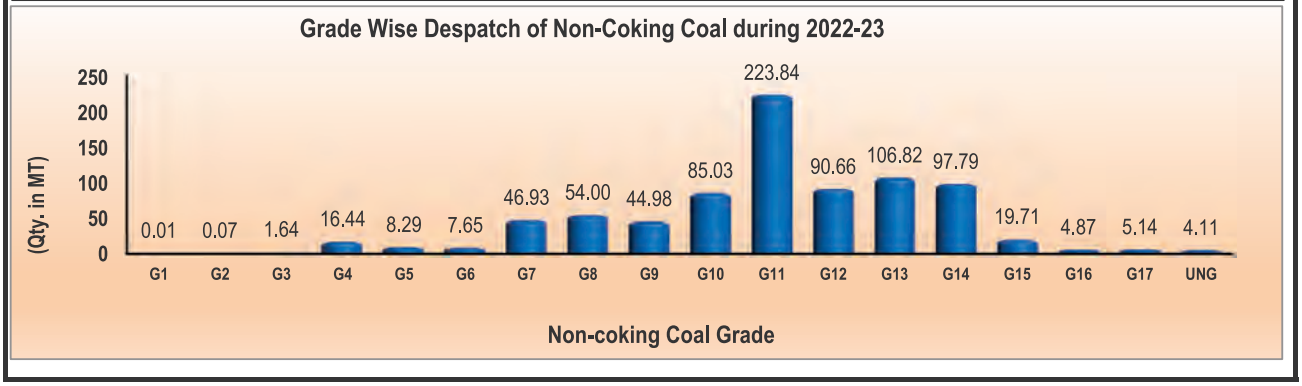


Table 4.16: Grade Wise Despatch of Coking Coal and Non-Coking Coal in India during last Ten Years

(Qty. in MT)

Type	Grade	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Coking Coal	Steel-I	0.071	0.052	0.029	0.014	0.052	0.117	0.039	0.080		0.000
	Steel-II	0.898	0.327	1.035	0.969	0.095	0.179	0.128	0.000	0.246	0.000
	SC-I	0.130	0.132	0.108	0.018	0.305	0.253	0.169	0.291	0.000	0.245
	Wash-I	0.190	0.102	0.198	0.166	0.052	0.042	0.155	0.919	0.241	0.168
	Wash-II	1.921	1.693	2.016	2.221	3.068	2.957	2.328	2.688	1.976	2.565
	Wash-III	13.582	12.177	13.155	11.504	4.133	8.865	9.369	25.753	2.505	3.652
	Wash-IV	41.563	41.955	38.860	41.106	34.550	30.905	30.880	11.850	27.140	29.165
	Wash-V							7.581	2.419	19.856	21.711
	Wash-VI							0.007		2.441	1.907
	Washey Feed			3.812	3.310	3.125					
	SLV1	0.109									
	Coking	**58.464**	**56.438**	**59.213**	**59.308**	**45.380**	**43.318**	**50.656**	**44.000**	**54.403**	**59.413**
Non-Coking Coal	G1	6.130	2.772	3.766	2.425	1.753	0.099	0.020	0.011	0.000	0.008
	G2	0.264	0.621	0.323	0.396	1.475	0.430	0.340	0.039	0.000	0.072
	G3	4.747	4.698	4.252	4.519	15.411	3.332	3.193	2.661	2.018	1.639
	G4	21.944	19.647	18.299	17.788	10.347	14.702	14.098	13.739	13.494	16.438
	G5	16.537	16.296	15.457	15.731	7.926	11.726	12.182	8.152	7.808	8.288
	G6	16.314	20.186	11.348	12.463	11.366	8.802	5.150	4.781	6.342	7.645
	G7	36.620	38.705	39.978	15.460	39.526	42.694	42.733	36.572	41.163	46.932
	G8	31.275	29.283	27.671	31.952	37.935	56.671	47.032	46.670	49.230	53.999
	G9	54.287	50.547	49.721	45.890	31.051	31.130	30.641	31.014	38.376	44.977
	G10	64.193	76.369	90.982	92.730	110.027	105.981	98.989	83.915	81.426	85.034
	G11	119.125	137.861	139.256	137.036	164.745	178.854	176.276	171.087	222.308	223.836
	G12	76.740	82.302	95.594	98.041	58.393	69.116	64.948	74.497	79.489	90.656
	G13	50.900	55.655	69.746	92.405	93.685	99.528	86.351	75.980	111.851	106.820
	G14	4.112	4.205	2.818	3.901	39.801	50.650	52.517	70.098	83.314	97.791
	G15	3.359	3.446	2.837	3.128	7.412	6.783	11.573	19.904	15.696	19.710
	G16	2.480	1.579		2.642	3.743	3.083	3.723	6.765	6.923	4.867
	G17	4.523	3.141	0.643	0.320	1.404	3.356	5.252	0.073	5.372	5.137
	Washey Feed				9.304	6.283		1.136	0.926		
	Ungr	0.046	0.021	0.538	0.539	2.340	2.539	0.366	0.000		4.107
	Non-Coking	**513.596**	**547.334**	**573.229**	**586.670**	**644.623**	**689.476**	**656.520**	**646.884**	**764.810**	**817.956**
Total Coal		**572.060**	**603.772**	**632.442**	**645.978**	**690.003**	**732.794**	**707.176**	**690.884**	**819.213**	**877.369**

Table 4.17 : Mode Wise & Company Wise Despatch of Raw Coal (External & Internal) and Coal Products (Washed Coal & Middlings) in 2022-23

(Qty. in MT)

Company	Raw Coal/ Coal Product	2022-23 (External)							2022-23 (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	Raw Coal	26.878	3.735			4.727		35.340							0.000	35.340
BCCL	Raw Coal	24.287	6.822					31.109	1.414	3.040					4.454	35.563
BCCL	Coal Products	3.919						3.919							0.000	3.919
CCL	Raw Coal	43.671	25.993					69.664		5.360					5.360	75.024
CCL	Coal Products	5.115	0.083					5.198							0.000	5.198
NCL	Raw Coal	49.548	25.719	3.026		55.219		133.512							0.000	133.512
WCL	Raw Coal	33.547	26.328	0.805	1.468			62.148							0.000	62.148
SECL	Raw Coal	62.808	59.661	7.182		28.044		157.695							0.000	157.695
SECL(GP-IV/2&3)	Raw Coal		2.326					2.326							0.000	2.326
MCL	Raw Coal	117.827	62.874			12.054		192.755							0.000	192.755
NEC	Raw Coal	0.038	0.143					0.181							0.000	0.181
Total CIL	**Raw Coal**	**358.604**	**213.601**	**11.013**	**1.468**	**100.044**	**0.000**	**684.730**	**1.414**	**8.400**	**0.000**	**0.000**	**0.000**	**0.000**	**9.814**	**694.544**
	Coal Products	**9.034**	**0.083**	**0.000**	**0.000**	**0.000**	**0.000**	**9.117**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**9.117**
SCCL	Raw Coal	44.747	13.109		0.613	7.292	0.932	66.693							0.000	66.693
JKML	Raw Coal		0.010					0.010							0.000	0.010
DVC	Raw Coal							0.000							0.000	0.000
IISCO	Raw Coal		0.015					0.015		0.061		0.008			0.069	0.084
	Coal Products	1.175						1.175							0.000	1.175
SAIL	Raw Coal		0.303					0.303							0.000	0.303
JSMDCL	Raw Coal		0.312					0.312							0.000	0.312
RRVUNL	Raw Coal							0.000			11.801				11.801	11.801
	Coal Products	9.080						9.080							0.000	9.080
NTPC	Raw Coal	0.381	11.095	2.242		8.100		21.818							0.000	21.818
WBPDCL	Raw Coal		15.697					15.697							0.000	15.697
CSPGCL	Raw Coal	3.082						3.082							0.000	3.082
TSPGCL	Raw Coal	2.500						2.500							0.000	2.500
OCPL	Raw Coal		2.036			6.183		8.219							0.000	8.219
DPL	Raw Coal	0.204	0.322					0.526							0.000	0.526
NLCIL_T-II&III	Raw Coal		9.898					9.898							0.000	9.898
APMDCL	Raw Coal		1.420					1.420							0.000	1.420
PSPCL	Raw Coal	0.450						0.450							0.000	0.450
THDC	Raw Coal							0.000							0.000	0.000
KPCL	Raw Coal	1.646						1.646							0.000	1.646
Total Public	**Raw Coal**	**411.614**	**267.818**	**13.255**	**2.081**	**121.619**	**0.932**	**817.319**	**1.414**	**8.461**	**11.801**	**0.008**	**0.000**	**0.000**	**21.684**	**839.003**
	Coal Products	**19.289**	**0.083**	**0.000**	**0.000**	**0.000**	**0.000**	**19.372**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**19.372**
TSL	Raw Coal							0.000		0.003	5.768				5.771	5.771
	Coal Products	4.152	0.004					4.156							0.000	4.156
CESC	Raw Coal		1.118					1.118		0.831					0.831	1.949
	Coal Products		0.655					0.655							0.000	0.655
HIL	Raw Coal	0.165	0.581					0.746							0.000	0.746
SPL	Raw Coal			16.394				16.394							0.000	16.394
BALCO	Raw Coal		0.818					0.818							0.000	0.818
SIL	Raw Coal	0.211						0.211							0.000	0.211
JPVL	Raw Coal	3.139						3.139							0.000	3.139
JPL	Raw Coal		0.204					0.204		5.407					5.407	5.611
	Coal Products				2.104			2.104							0.000	2.104
RCCPL	Raw Coal		0.352					0.352							0.000	0.352
TUML	Raw Coal		0.120					0.120		0.082					0.082	0.202
	Coal Products		0.014					0.014							0.000	0.014
AMBUJA	Raw Coal	0.195	0.912					1.107							0.000	1.107
BSIL	Raw Coal		0.014					0.014		0.150					0.150	0.164
	Coal Products		0.064					0.064							0.000	0.064
UTCL	Raw Coal		0.355					0.355							0.000	0.355
SEML	Raw Coal		0.376					0.376		1.115					1.115	1.491
Vedanta	Raw Coal						0.038	0.038							0.000	0.038
BSMPL	Raw Coal		0.018					0.018							0.000	0.018
Total Private	**Raw Coal**	**3.710**	**4.868**	**16.394**	**0.000**	**0.000**	**0.038**	**25.010**	**0.000**	**7.588**	**5.768**	**0.000**	**0.000**	**0.000**	**13.356**	**38.366**
	Coal Products	**4.166**	**1.558**	**0.000**	**2.104**	**0.000**	**0.000**	**7.828**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**7.828**
All India	**Raw Coal**	**415.324**	**272.686**	**29.649**	**2.081**	**121.619**	**0.970**	**842.329**	**1.414**	**16.049**	**17.569**	**0.008**	**0.000**	**0.000**	**35.040**	**877.369**
	Coal Products	**23.455**	**1.641**	**0.000**	**2.104**	**0.000**	**0.000**	**27.200**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**27.200**

Table 4.18 : Company Wise Off-take of Raw Coal to different Priority Sectors (Including Washeries) during 2022-23

(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	28.154	0.213					0.385	0.428		0.212						5.948	**35.340**	0.167		**35.507**
BCCL	27.499	0.007	1.159	4.011		0.443			0.394							2.050	**35.563**			**35.563**
CCL	60.890	1.488		1.658		3.702			0.111	0.708						6.467	**75.024**			**75.024**
NCL	120.424	6.484						0.399		0.297						5.908	**133.512**			**133.512**
WCL	56.143	1.338						1.199		0.239		0.005	0.031	0.019		3.174	**62.148**	0.004		**62.152**
SECL	138.361	6.390						1.352	0.153	4.053			0.015			7.371	**157.695**	0.008		**157.703**
SECL(GP 2&3)	1.370															0.956	**2.326**			**2.326**
MCL	149.027	21.400						0.115		1.682	0.400					20.131	**192.755**	0.001		**192.756**
NEC																0.181	**0.181**			**0.181**
Total CIL	**581.868**	**37.320**	**1.159**	**5.669**	**0.000**	**4.145**	**0.385**	**3.493**	**0.658**	**7.191**	**0.400**	**0.005**	**0.046**	**0.019**	**0.000**	**52.186**	**694.544**	**0.180**	**0.000**	**694.724**
SCCL	54.646	3.587	0.011					3.492	0.004	0.484	0.169	0.190	1.209	0.073	0.005	2.823	**66.693**			**66.693**
JKML															0.010		**0.010**			**0.010**
DVC																	**0.000**			**0.000**
IISCO				0.069			0.015										**0.084**			**0.084**
SAIL			0.303														**0.303**			**0.303**
JSMDCL															0.094	0.218	**0.312**			**0.312**
RRVUNL						11.801											**11.801**			**11.801**
NTPC	21.818																**21.818**			**21.818**
WBPDCL	15.697																**15.697**			**15.697**
CSPGCL	3.082																**3.082**			**3.082**
TSPGCL	2.500																**2.500**			**2.500**
OCPL	6.183															2.036	**8.219**			**8.219**
DPL	0.526																**0.526**			**0.526**
NLCIL_T-II&III	5.353	3.826						0.050		0.061	0.552					0.056	**9.898**			**9.898**
APMDCL	1.420																**1.420**			**1.420**
PSPCL		0.450															**0.450**			**0.450**
THDC																	**0.000**			**0.000**
KPCL	1.646																**1.646**			**1.646**
Total Public	**694.739**	**45.183**	**1.473**	**5.738**	**0.000**	**15.946**	**0.400**	**7.035**	**0.662**	**7.736**	**1.121**	**0.195**	**1.255**	**0.092**	**0.109**	**57.319**	**839.003**	**0.180**	**0.000**	**839.183**
TSL			5.092	0.679													**5.771**			**5.771**
CESC	1.118					0.831											**1.949**			**1.949**
HIL		0.746															**0.746**			**0.746**
SPL	16.394																**16.394**			**16.394**
BALCO		0.818															**0.818**			**0.818**
SIL		0.056								0.155							**0.211**			**0.211**
JPVL	3.139																**3.139**			**3.139**
JPL	0.204	2.671				2.736											**5.611**			**5.611**
RCCPL								0.352									**0.352**			**0.352**
TUML						0.082				0.120							**0.202**			**0.202**
AMBUJA		0.309						0.798									**1.107**			**1.107**
BSIL						0.150		0.014									**0.164**			**0.164**
UTCL		0.355															**0.355**			**0.355**
SEML	0.014	0.119				0.960										0.398	**1.491**			**1.491**
Vedanta											0.038						**0.038**			**0.038**
BSMPL	0.018																**0.018**			**0.018**
Total Private	**20.887**	**5.074**	**5.092**	**0.679**	**0.000**	**4.759**	**0.000**	**1.164**	**0.000**	**0.275**	**0.038**	**0.000**	**0.000**	**0.000**	**0.000**	**0.398**	**38.366**	**0.000**	**0.000**	**38.366**
All India	**715.626**	**50.257**	**6.565**	**6.417**	**0.000**	**20.705**	**0.400**	**8.199**	**0.662**	**8.011**	**1.159**	**0.195**	**1.255**	**0.092**	**0.109**	**57.717**	**877.369**	**0.180**	**0.000**	**877.549**

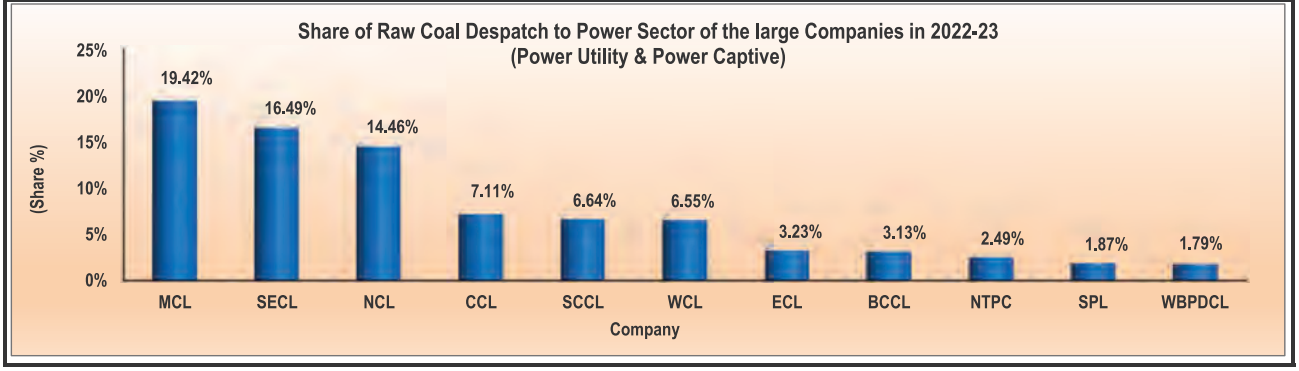


Table 4.19 : Company Wise Off-take of Raw Coal to Different Priority Sectors during 2022-23

(Qty. in MT)

Company	Power (Utility)	Power (Captive)	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)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
ECL	28.154	0.213			0.385	0.428		0.212						5.948	**35.340**	0.167		**35.507**
BCCL	27.942	0.007	1.159	4.011			0.394							2.050	**35.563**			**35.563**
CCL	64.592	1.488		1.658			0.111	0.708						6.467	**75.024**			**75.024**
NCL	120.424	6.484				0.399		0.297						5.908	**133.512**			**133.512**
WCL	56.143	1.338				1.199		0.239		0.005	0.031	0.019		3.174	**62.148**	0.004		**62.152**
SECL	138.361	6.390				1.352	0.153	4.053			0.015			7.371	**157.695**	0.008		**157.703**
SECL(GP 2&3)	1.370													0.956	**2.326**			**2.326**
MCL	149.027	21.400				0.115		1.682	0.400					20.131	**192.755**	0.001		**192.756**
NEC	0.000													0.181	**0.181**			**0.181**
Total CIL	**586.013**	**37.320**	**1.159**	**5.669**	**0.385**	**3.493**	**0.658**	**7.191**	**0.400**	**0.005**	**0.046**	**0.019**	**0.000**	**52.186**	**694.544**	**0.180**	**0.000**	**694.724**
SCCL	54.646	3.587	0.011			3.492	0.004	0.484	0.169	0.190	1.209	0.073	0.005	2.823	**66.693**			**66.693**
JKML	0.000												0.010		**0.010**			**0.010**
DVC	0.000														**0.000**			**0.000**
IISCO	0.000			0.069	0.015										**0.084**			**0.084**
SAIL	0.000		0.303												**0.303**			**0.303**
JSMDCL	0.000												0.094	0.218	**0.312**			**0.312**
RRVUNL	11.801														**11.801**			**11.801**
NTPC	21.818														**21.818**			**21.818**
WBPDCL	15.697														**15.697**			**15.697**
CSPGCL	3.082														**3.082**			**3.082**
TSPGCL	2.500														**2.500**			**2.500**
OCPL	6.183													2.036	**8.219**			**8.219**
DPL	0.526														**0.526**			**0.526**
NLCIL_T-II&III	5.353	3.826				0.050		0.061	0.552					0.056	**9.898**			**9.898**
APMDCL	1.420														**1.420**			**1.420**
PSPCL	0.000	0.450													**0.450**			**0.450**
THDC	0.000														**0.000**			**0.000**
KPCL	1.646														**1.646**			**1.646**
Total Public	**710.685**	**45.183**	**1.473**	**5.738**	**0.400**	**7.035**	**0.662**	**7.736**	**1.121**	**0.195**	**1.255**	**0.092**	**0.109**	**57.319**	**839.003**	**0.180**	**0.000**	**839.183**
TSL	0.000		5.092	0.679											**5.771**			**5.771**
CESC	1.949														**1.949**			**1.949**
HIL	0.000	0.746													**0.746**			**0.746**
SPL	16.394														**16.394**			**16.394**
BALCO	0.000	0.818													**0.818**			**0.818**
SIL	0.000	0.056						0.155							**0.211**			**0.211**
JPVL	3.139														**3.139**			**3.139**
JPL	2.940	2.671													**5.611**			**5.611**
RCCPL	0.000					0.352									**0.352**			**0.352**
TUML								0.202							**0.202**			**0.202**
AMBUJA	0.000	0.309				0.798									**1.107**			**1.107**
BSIL						0.164									**0.164**			**0.164**
UTCL	0.000	0.355													**0.355**			**0.355**
SEML	0.014	0.119				0.960								0.398	**1.491**			**1.491**
Vedanta	0.000								0.038						**0.038**			**0.038**
BSMPL	0.018														**0.018**			**0.018**
Total Private	**24.454**	**5.074**	**5.092**	**0.679**	**0.000**	**2.274**	**0.000**	**0.357**	**0.038**	**0.000**	**0.000**	**0.000**	**0.000**	**0.398**	**38.366**	**0.000**	**0.000**	**38.366**
All India	**735.139**	**50.257**	**6.565**	**6.417**	**0.400**	**9.309**	**0.662**	**8.093**	**1.159**	**0.195**	**1.255**	**0.092**	**0.109**	**57.717**	**877.369**	**0.180**	**0.000**	**877.549**

Table 4.20 : Company Wise & Sector Wise of Despatch/Off-take of Coking Coal (Raw Coal, Washed Coal & Middling) during 2022-23

(Qty. in MT)

Company	Type of Coal, Coal Products & Lignite	Power (Utility)	Power (Captive)	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)	(20)
ECL	Raw Coal(External)														0.011	**0.011**			**0.011**
BCCL	Raw Coal(External)	25.657	0.007	1.159				0.338							2.013	**29.174**			**29.174**
	Washed Coal	1.422														**1.422**			**1.422**
	Middlings	2.170													0.327	**2.497**			**2.497**
	Total	**29.249**	**0.007**	**1.159**	**0.000**	**0.000**	**0.000**	**0.338**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.340**	**33.093**	**0.000**	**0.000**	**33.093**
CCL	Raw Coal(External)	15.782	0.323												1.974	**18.079**			**18.079**
	Washed Coal				0.701										0.008	**0.709**			**0.709**
	Middlings	0.069	0.729													**0.798**			**0.798**
	Total	**15.851**	**1.052**	**0.000**	**0.701**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.982**	**19.586**	**0.000**	**0.000**	**19.586**
WCL	Raw Coal(External)														0.092	**0.092**			**0.092**
SECL	Raw Coal(External)	0.245														**0.245**			**0.245**
Total CIL	**Raw Coal(External)**	**41.684**	**0.330**	**1.159**	**0.000**	**0.000**	**0.000**	**0.338**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.090**	**47.601**	**0.000**	**0.000**	**47.601**
	Washed Coal	**1.422**	**0.000**	**0.000**	**0.701**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.008**	**2.131**	**0.000**	**0.000**	**2.131**
	Middlings	**2.239**	**0.729**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.327**	**3.295**	**0.000**	**0.000**	**3.295**
	Total	**45.345**	**1.059**	**1.159**	**0.701**	**0.000**	**0.000**	**0.338**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.425**	**53.027**	**0.000**	**0.000**	**53.027**
IISCO	**Washed Coal**				**0.610**											**0.610**			**0.610**
	Middlings				**0.565**											**0.565**			**0.565**
	Total	**0.000**	**0.000**	**0.000**	**1.175**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.175**	**0.000**	**0.000**	**1.175**
SAIL	**Raw Coal(External)**			**0.303**												**0.303**			**0.303**
Total Public	**Raw Coal(External)**	**41.684**	**0.330**	**1.462**	**0.000**	**0.000**	**0.000**	**0.338**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.090**	**47.904**	**0.000**	**0.000**	**47.904**
	Washed Coal	**1.422**	**0.000**	**0.000**	**1.311**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.008**	**2.741**	**0.000**	**0.000**	**2.741**
	Middlings	**2.239**	**0.729**	**0.000**	**0.565**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.327**	**3.860**	**0.000**	**0.000**	**3.860**
	Total	**45.345**	**1.059**	**1.462**	**1.876**	**0.000**	**0.000**	**0.338**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.425**	**54.505**	**0.000**	**0.000**	**54.505**
TSL	Washed Coal	0.542			1.994											**2.536**			**2.536**
Total Private	**Raw Coal(External)**															**0.000**			**0.000**
	Washed Coal	**0.542**	**0.000**	**0.000**	**1.994**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.536**	**0.000**	**0.000**	**2.536**
	Middlings															**0.000**			**0.000**
	Total	**0.542**	**0.000**	**0.000**	**1.994**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.536**	**0.000**	**0.000**	**2.536**
All India	**Raw Coal(External)**	**41.684**	**0.330**	**1.462**	**0.000**	**0.000**	**0.000**	**0.338**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.090**	**47.904**	**0.000**	**0.000**	**47.904**
	Washed Coal	**1.964**	**0.000**	**0.000**	**3.305**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.008**	**5.277**	**0.000**	**0.000**	**5.277**
	Middlings	**2.239**	**0.729**	**0.000**	**0.565**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.327**	**3.860**	**0.000**	**0.000**	**3.860**
	Total	**45.887**	**1.059**	**1.462**	**3.870**	**0.000**	**0.000**	**0.338**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.425**	**57.041**	**0.000**	**0.000**	**57.041**

Note: 1. Raw Coal (External) is coal despatched to the consumer.

2. Washed coal and Middling are washery products having washery losses, therefore, the sum of washed coal and middling is not equal to Raw Coal (Internal). Thus, total despatch in table 4.20 is not equal to table 4.21.

Table 4.21 : Company Wise & Sector Wise Off-take of Non-Coking Coal (Raw Coal, Washed Coal & Middling) During 2022-23

(Qty. in MT)

Company	Type of Coal, Coal Products & Lignite	Power (Utility)	Power (Captive)	Direct Feed	Steel (Coke Oven Plants &	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)	28.154	0.213			0.385	0.428		0.212						5.937	**35.329**	0.167		**35.496**
BCCL	Raw Coal(External)	1.842						0.056							0.037	**1.935**			**1.935**
CCL	Raw Coal(External)	45.108	1.165					0.111	0.708						4.493	**51.585**			**51.585**
	Washed Coal	3.596	0.012												0.083	**3.691**			**3.691**
	Total	**48.704**	**1.177**	**0.000**	**0.000**	**0.000**	**0.000**	**0.111**	**0.708**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.576**	**55.276**	**0.000**	**0.000**	**55.276**
NCL	Raw Coal(External)	120.424	6.484				0.399		0.297						5.908	**133.512**			**133.512**
WCL	Raw Coal(External)	56.143	1.338				1.199		0.239		0.005	0.031	0.019		3.082	**62.056**	0.004		**62.060**
SECL	Raw Coal(External)	138.116	6.390				1.352	0.153	4.053			0.015			7.371	**157.450**	0.008		**157.458**
SECL(GP 2&3)	Raw Coal(External)	1.370													0.956	**2.326**			**2.326**
MCL	Raw Coal(External)	149.027	21.400				0.115		1.682	0.400					20.131	**192.755**	0.001		**192.756**
NEC	Raw Coal(External)														0.181	**0.181**			**0.181**
Total CIL	**Raw Coal(External)**	**540.184**	**36.990**	**0.000**	**0.000**	**0.385**	**3.493**	**0.320**	**7.191**	**0.400**	**0.005**	**0.046**	**0.019**	**0.000**	**48.096**	**637.129**	**0.180**	**0.000**	**637.309**
	Washed Coal	**3.596**	**0.012**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.083**	**3.691**	**0.000**	**0.000**	**3.691**
	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**
	Total	**543.780**	**37.002**	**0.000**	**0.000**	**0.385**	**3.493**	**0.320**	**7.191**	**0.400**	**0.005**	**0.046**	**0.019**	**0.000**	**48.179**	**640.820**	**0.180**	**0.000**	**641.000**
SCCL	Raw Coal(External)	54.646	3.587	0.011			3.492	0.004	0.484	0.169	0.190	1.209	0.073	0.005	2.823	**66.693**			**66.693**
JKML	Raw Coal(External)													0.010		**0.010**			**0.010**
IISCO	Raw Coal(External)					**0.015**										**0.015**			**0.015**
JSMDCL	Raw Coal(External)													0.094	0.218	**0.312**			**0.312**
RRVUNL	Washed Coal	9.080														**9.080**			**9.080**
NTPC	Raw Coal(External)	21.818														**21.818**			**21.818**
WBPDCL	Raw Coal(External)	15.697														**15.697**			**15.697**
CSPGCL	Raw Coal(External)	3.082														**3.082**			**3.082**
TSPGCL	Raw Coal(External)	2.500														**2.500**			**2.500**
OCPL	Raw Coal(External)	6.183													2.036	**8.219**			**8.219**
DPL	Raw Coal(External)	0.526														**0.526**			**0.526**
NLCIL_T-II&III	Raw Coal(External)	5.353	3.826				0.050		0.061	0.552					0.056	**9.898**			**9.898**
APMDCL	Raw Coal(External)	1.420														**1.420**			**1.420**
PSPCL	Raw Coal(External)		0.450													**0.450**			**0.450**
KPCL	Raw Coal(External)	1.646														**1.646**			**1.646**
Total Public	**Raw Coal(External)**	**653.055**	**44.853**	**0.011**	**0.000**	**0.400**	**7.035**	**0.324**	**7.736**	**1.121**	**0.195**	**1.255**	**0.092**	**0.109**	**53.229**	**769.415**	**0.180**	**0.000**	**769.595**
	Washed Coal	**12.676**	**0.012**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.083**	**12.771**	**0.000**	**0.000**	**12.771**
	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**
	Total	**665.731**	**44.865**	**0.011**	**0.000**	**0.400**	**7.035**	**0.324**	**7.736**	**1.121**	**0.195**	**1.255**	**0.092**	**0.109**	**53.312**	**782.186**	**0.180**	**0.000**	**782.366**
TSL	Middlings	0.862	0.758													**1.620**			**1.620**
CESC	Raw Coal(External)	1.118														**1.118**			**1.118**
	Washed Coal	0.655														**0.655**			**0.655**
	Total	**1.773**	**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**	**1.773**	**0.000**	**0.000**	**1.773**
HIL	Raw Coal(External)		0.746													**0.746**			**0.746**
SPL	Raw Coal(External)	16.394														**16.394**			**16.394**
BALCO	Raw Coal(External)		0.818													**0.818**			**0.818**
SIL	Raw Coal(External)		0.056						0.155							**0.211**			**0.211**
JPVL	Raw Coal(External)	3.139														**3.139**			**3.139**
JPL	Raw Coal(External)	0.204														**0.204**			**0.204**
	Washed Coal		2.104													**2.104**			**2.104**
	Total	**0.204**	**2.104**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.308**	**0.000**	**0.000**	**2.308**
RCCPL	Raw Coal(External)						0.352									**0.352**			**0.352**
TUML	Raw Coal(External)								0.120							**0.120**			**0.120**
	Washed Coal								0.014							**0.014**			**0.014**
	Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.134**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.134			0.134
AMBUJA	Raw Coal(External)		0.309				0.798									**1.107**			**1.107**
BSIL	Washed Coal						0.021									**0.021**			**0.021**
	Middlings		0.043													**0.043**			**0.043**
	Total	**0.000**	**0.043**	**0.000**	**0.000**	**0.000**	**0.021**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.064	**0.000**	**0.000**	0.064
UTCL	Raw Coal(External)		0.355													**0.355**			**0.355**
SEML	Raw Coal(External)	0.014													0.362	**0.376**			**0.376**
	Washed Coal	0.015							0.272						0.133	**0.420**			**0.420**
	Middlings		0.160												0.255	**0.415**			**0.415**
	Total	**0.029**	**0.160**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.272**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.750**	1.211	**0.000**	**0.000**	1.211
Vedanta	Raw Coal(External)									0.038						**0.038**			**0.038**
BSMPL	Raw Coal(External)	0.018														**0.018**			**0.018**
Total Private	**Raw Coal(External)**	**20.887**	**2.284**	**0.000**	**0.000**	**0.000**	**1.150**	**0.000**	**0.275**	**0.038**	**0.000**	**0.000**	**0.000**	**0.000**	**0.362**	**24.996**	**0.000**	**0.000**	**24.996**
	Washed Coal	**0.670**	**2.104**	**0.000**	**0.000**	**0.000**	**0.021**	**0.000**	**0.286**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.133**	**3.214**	**0.000**	**0.000**	**3.214**
	Middlings	**0.862**	**0.961**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.255**	**2.078**	**0.000**	**0.000**	**2.078**
	Total	**528.425**	**46.534**	**0.312**	**0.000**	**0.100**	**7.051**	**0.585**	**9.609**	**0.683**	**0.158**	**1.045**	**0.080**	**0.025**	**74.448**	**669.055**	**0.188**	**0.000**	**669.243**
All India	**Raw Coal(External)**	**673.942**	**47.137**	**0.011**	**0.000**	**0.400**	**8.185**	**0.324**	**8.011**	**1.159**	**0.195**	**1.255**	**0.092**	**0.109**	**53.591**	**794.411**	**0.180**	**0.000**	**794.591**
	Washed Coal	**13.346**	**2.116**	**0.000**	**0.000**	**0.000**	**0.021**	**0.000**	**0.286**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.216**	**15.985**	**0.000**	**0.000**	**15.985**
	Middlings	**0.862**	**0.961**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.255**	**2.078**	**0.000**	**0.000**	**2.078**
	Total	**688.150**	**50.214**	**0.011**	**0.000**	**0.400**	**8.206**	**0.324**	**8.297**	**1.159**	**0.195**	**1.255**	**0.092**	**0.109**	**54.062**	**812.474**	**0.180**	**0.000**	**812.654**

Note: 1. Raw coal (external) is coal despatched to the consumer.

2. Washed coal and Middling are washery products having washery losses, therefore, the sum of washed coal and middling is not equal to Raw coal (Internal). Thus, total despatch in table 4.22 is not equal to table 4.20.

Table 4.22 : Grade Wise Off-take of Raw Coal to different Priority Sectors (Including Washeries) during 2022-23

(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	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																	0.000			0.000
Semi Coking-I	0.245																0.245			0.245
Wash-I	0.168																0.168			0.168
Wash-II	2.159		0.102	0.227												0.077	2.565			2.565
Wash-III	2.523		0.131	0.211												0.787	3.652			3.652
Wash-IV	22.904	0.323	4.859	0.310												0.769	29.165			29.165
Wash-V	13.436	0.007	1.462	4.011					0.338							2.457	21.711			21.711
Wash-VI	0.249			1.658													1.907			1.907
Total Coking	**41.684**	**0.330**	**6.554**	**6.417**	**0.000**	**0.000**	**0.000**	**0.000**	**0.338**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.090**	**59.413**	**0.000**	**0.000**	**59.413**
G1																0.008	0.008			0.008
G2															0.010	0.062	0.072			0.072
G3	0.944						0.056	0.004		0.031						0.604	1.639	0.026		1.665
G4	11.792	0.213					0.106	0.433		0.192						3.702	16.438	0.109		16.547
G5	5.691	0.027					0.177	0.589	0.024	0.090	0.131	0.005	0.002		0.001	1.551	8.288	0.036		8.324
G6	5.966	0.216					0.061	0.228	0.021	0.144	0.014	0.008	0.048		0.001	0.938	7.645			7.645
G7	41.178	0.475	0.007			0.001		0.762	0.031	0.574	0.012	0.079	0.180	0.003		3.630	46.932	0.006		46.938
G8	42.442	4.470	0.004			0.442		2.586	0.069	0.663	0.011	0.060	0.146	0.033		3.073	53.999	0.003		54.002
G9	43.316	0.140						0.098	0.037	0.118		0.008	0.034	0.004		1.222	44.977			44.977
G10	75.118	3.663						1.411	0.007	0.158		0.003	0.050	0.007		4.617	85.034			85.034
G11	197.506	8.200				7.929		1.612	0.119	3.212	0.001	0.008	0.390	0.045	0.002	4.812	223.836			223.836
G12	74.362	5.426				1.332		0.248	0.008	0.632	0.073				0.094	8.481	90.656			90.656
G13	84.630	12.849				0.831		0.104	0.007	0.495	0.505	0.020	0.264		0.001	7.114	106.820			106.820
G14	76.690	10.597				0.310		0.105	0.001	1.153	0.412					8.523	97.791			97.791
G15	12.862	1.746						0.018		0.549		0.004	0.141			4.390	19.710			19.710
G16	1.239	0.012				3.273										0.343	4.867			4.867
G17	0.204	1.774				2.885										0.274	5.137			5.137
UNG	0.002	0.119				3.702		0.001								0.283	4.107			4.107
Total Non Coking	**673.942**	**49.927**	**0.011**	**0.000**	**0.000**	**20.705**	**0.400**	**8.199**	**0.324**	**8.011**	**1.159**	**0.195**	**1.255**	**0.092**	**0.109**	**53.627**	**817.956**	**0.180**	**0.000**	**818.136**
All India	**715.626**	**50.257**	**6.565**	**6.417**	**0.000**	**20.705**	**0.400**	**8.199**	**0.662**	**8.011**	**1.159**	**0.195**	**1.255**	**0.092**	**0.109**	**57.717**	**877.369**	**0.180**	**0.000**	**877.549**

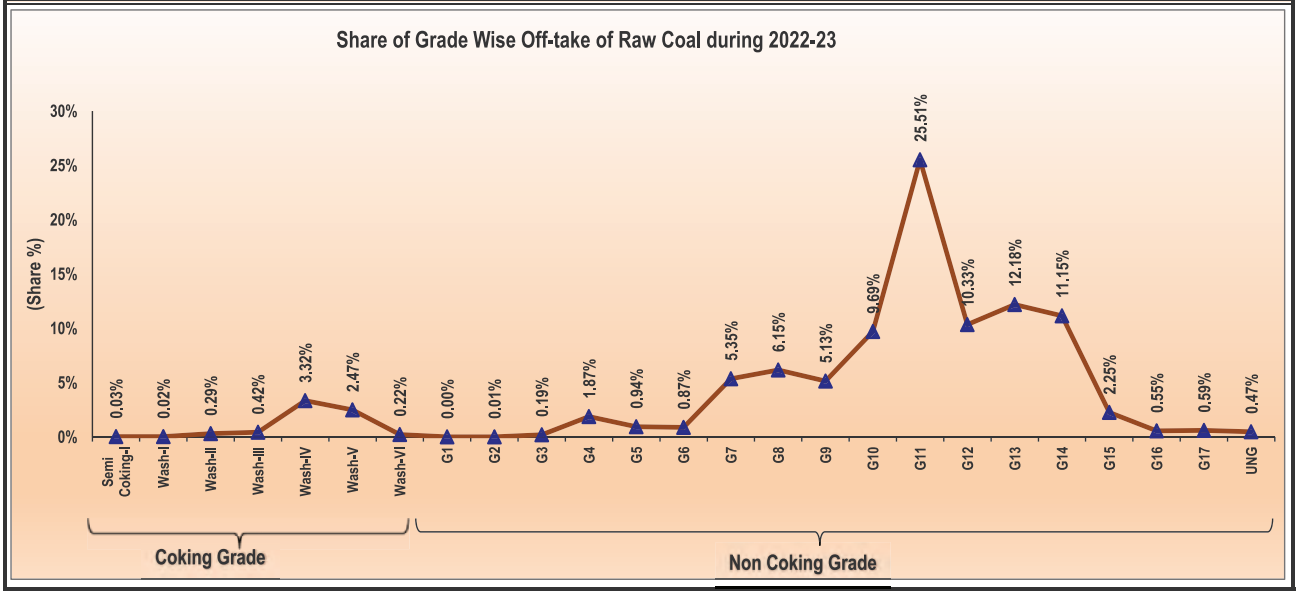


Table 4.23 : Company Wise Off-take of Lignite to different Priority Sectors During 2022-23

(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	3.050																**3.050**			**3.050**
GMDCL	0.801	1.259					0.080	0.512				0.989	0.780	1.771	0.607	0.781	**7.580**			**7.580**
NLCL	2.754	22.561	0.042					0.239				0.005	0.114		0.002	0.460	**26.177**			**26.177**
RSMML								0.085	0.010		0.021			0.082		1.010	**1.208**			**1.208**
BLMCL		6.125															**6.125**			**6.125**
VSLPPL	0.727															0.284	**1.011**			**1.011**
GHCL	0.091																**0.091**			**0.091**
GPCL	1.580																**1.580**			**1.580**
TOTAL	**9.003**	**29.945**	**0.042**	**0.000**	**0.000**	**0.000**	**0.080**	**0.836**	**0.010**	**0.000**	**0.021**	**0.994**	**0.894**	**1.853**	**0.609**	**2.535**	**46.822**	**0.000**	**0.000**	**46.822**

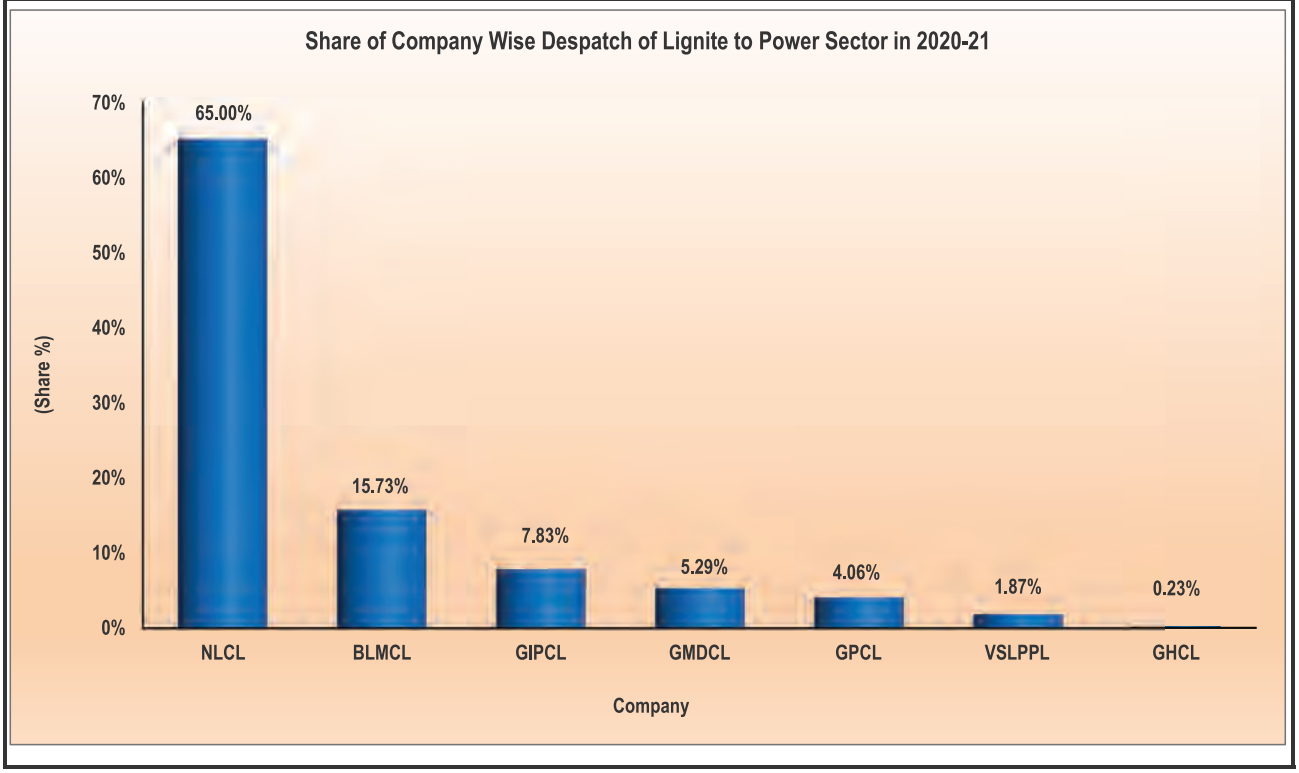


Table 4.24 : State Wise Despatch/Consumption of Raw Coal, Washed Coal, Middlings & Lignite to different State during 2022-23

(Qty. in MT)

Company	Raw Coal & Coal Products	Power (Utility)	Power (Captive)	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 Off-take
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
COAL :																		
Andhra Pradesh	Raw Coal	39.260	1.238			0.528	0.004	0.001	0.023	0.099	0.114	0.001	0.003	0.856	**42.127**			**42.127**
	Washed Coal	0.052		0.280											**0.332**			**0.052**
	Middlings													0.072	**0.072**			**0.072**
	Total	**39.312**	**1.238**	**0.280**	**0.000**	**0.528**	**0.004**	**0.001**	**0.023**	**0.099**	**0.114**	**0.001**	**0.003**	**0.928**	**42.531**	**0.000**	**0.000**	**42.251**
Assam	Raw Coal	2.342	0.012			0.050								0.126	**2.530**			**2.530**
Bihar	Raw Coal	26.527												0.803	**27.330**			**27.330**
	Washed Coal	2.812												0.002	**2.814**			**2.814**
	Middlings	0.051													**0.051**			**0.051**
	Total	**29.390**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.805**	**30.195**	**0.000**	**0.000**	**30.195**
Chhattisgarh	Raw Coal	87.064	12.588		0.127	1.800		3.980						3.641	**109.200**			**109.200**
	Washed Coal	0.328	2.104	0.310				0.272						0.130	**3.144**			**3.098**
	Middlings	0.004	0.160	0.055										0.132	**0.351**			**0.351**
	Total	**87.396**	**14.852**	**0.365**	**0.127**	**1.800**	**0.000**	**4.252**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**3.903**	**112.695**	**0.000**	**0.000**	**112.649**
Delhi	Raw Coal													0.033	**0.033**			**0.033**
Gujarat	Raw Coal	17.086	0.228				0.070				0.035	0.005		0.112	**17.536**			**17.536**
Haryana	Raw Coal	18.632	0.026				0.142							0.040	**18.840**			**18.840**
Himachal Pradesh	Raw Coal					0.084								0.007	**0.091**			**0.091**
J & K	Raw Coal												0.010		**0.010**			**0.010**
Jharkhand	Raw Coal	42.136	1.225		0.015			0.445					0.094	6.376	**50.291**			**50.291**
	Washed Coal	0.600	0.012	1.526										0.067	**2.205**			**1.983**
	Middlings	1.389	1.062	0.044										0.034	**2.529**			**2.529**
	Total	**44.125**	**2.299**	**1.570**	**0.015**	**0.000**	**0.000**	**0.445**	**0.000**	**0.000**	**0.000**	**0.000**	**0.094**	**6.477**	**55.025**	**0.000**	**0.000**	**54.803**
Kerala	Raw Coal					0.045					0.004				**0.049**			**0.049**
Karnataka	Raw Coal	17.331	1.249			0.664		0.182	0.004	0.004	0.059	0.069		0.046	**19.608**			**19.608**
Maharashtra	Raw Coal	88.766	1.069			1.292		0.408		0.005	0.012	0.014		2.721	**94.287**	0.004		**94.291**
	Washed Coal					0.021		0.014							**0.035**			**0.035**
	Middlings		0.043											0.002	**0.045**			**0.045**
	Total	**88.766**	**1.112**	**0.000**	**0.000**	**1.313**	**0.000**	**0.422**	**0.000**	**0.005**	**0.012**	**0.014**	**0.000**	**2.723**	**94.367**	**0.004**	**0.000**	**94.371**
Meghalaya	Raw Coal					0.108								0.122	**0.230**			**0.230**
Madhya Pradesh	Raw Coal	86.839	2.644			0.962					0.015			2.589	**93.049**			**93.049**
	Washed Coal													0.005	**0.005**			**0.005**
	Middlings	0.004												0.022	**0.026**			**0.026**
	Total	**86.843**	**2.644**	**0.000**	**0.000**	**0.962**	**0.000**	**0.000**	**0.000**	**0.000**	**0.015**	**0.000**	**0.000**	**2.616**	**93.080**	**0.000**	**0.000**	**93.080**
Odisha	Raw Coal	46.889	20.850		0.123	0.115		1.811	0.990					20.888	**91.666**	0.001		**91.667**
	Washed Coal	0.111		1.158										0.006	**1.275**			**1.238**
	Middlings	0.410	0.261	0.341										0.089	**1.101**			**1.101**
	Total	**47.410**	**21.111**	**1.499**	**0.123**	**0.115**	**0.000**	**1.811**	**0.990**	**0.000**	**0.000**	**0.000**	**0.000**	**20.983**	**94.042**	**0.001**	**0.000**	**94.006**
Punjab	Raw Coal	22.291	0.590				0.252							0.183	**23.316**			**23.316**
	Middlings	0.069													**0.069**			**0.069**
	Total	**22.360**	**0.590**	**0.000**	**0.000**	**0.000**	**0.252**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.183**	**23.385**	**0.000**	**0.000**	**23.385**
Rajasthan	Raw Coal	23.695	0.674			0.263	0.083	0.016						0.047	**24.778**			**24.778**
	Washed Coal	9.080													**9.080**			**9.080**
	Total	**32.775**	**0.674**			**0.263**	**0.083**	**0.016**						**0.047**	**33.858**			**33.858**

Contd.....

Table 4.24 : State Wise Despatch/Consumption of Raw Coal, Washed Coal, Middlings & Lignite to different State during 2022-23

(Qty. in MT)

Company	Raw Coal & Coal Products	Power (Utility)	Power (Captive)	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 Off-take
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
Tamilnadu	Raw Coal	28.322	2.167			0.154					0.061			0.097	**30.801**			**30.801**
	Washed Coal	0.004													**0.004**			**0.004**
	Total	**28.326**	**2.167**	**0.000**	**0.000**	**0.154**	**0.000**	**0.000**	**0.000**	**0.000**	**0.061**	**0.000**	**0.000**	**0.097**	30.805	**0.000**	**0.000**	30.805
Telangana	Raw Coal	32.577	1.354			1.949		0.301	0.142	0.087	0.955	0.003	0.002	1.860	**39.230**			**39.230**
Uttarakhand	Raw Coal													0.013	**0.013**			**0.013**
Uttar Pradesh	Raw Coal	90.985	3.832			0.171	0.111	0.225						4.865	**100.189**			**100.189**
	Washed Coal	0.665												0.008	**0.673**			**0.673**
	Middlings	0.336												0.003	**0.339**			**0.339**
	Total	**91.986**	**3.832**	**0.000**	**0.000**	**0.171**	**0.111**	**0.225**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.876**	101.201	**0.000**	**0.000**	101.201
Uttaranchal	Raw Coal		0.237											0.247	**0.484**			**0.484**
West Bengal	Raw Coal	44.884	0.370		0.135			0.522						5.038	**50.949**	0.167		**51.116**
	Washed Coal	1.116		0.573										0.006	**1.695**			**1.579**
	Middlings	0.838	0.164	0.125										0.228	**1.355**			**1.355**
	Total	**46.838**	**0.534**	**0.698**	**0.135**	**0.000**	**0.000**	**0.522**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.272**	53.999	**0.167**	**0.000**	54.050
Others	Raw Coal													7.007	**7.007**	0.008		**7.015**
All India	**Raw Coal**	**715.626**	**50.353**	**0.000**	**0.400**	**8.185**	**0.662**	**7.891**	**1.159**	**0.195**	**1.255**	**0.092**	**0.109**	**57.717**	843.644	**0.180**	**0.000**	836.809
	Washed Coal	**14.768**	**2.116**	**3.847**	**0.000**	**0.021**	**0.000**	**0.286**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.224**	21.262	**0.000**	**0.000**	18.982
	Middlings	**3.101**	**1.690**	**0.565**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.582**	5.938	**0.000**	**0.000**	4.583
	Total	**733.495**	**54.159**	**4.412**	**0.400**	**8.206**	**0.662**	**8.177**	**1.159**	**0.195**	**1.255**	**0.092**	**0.109**	**58.523**	870.844	**0.180**	**0.000**	860.374
Lignite																		
Gujarat	Lignite	5.522	1.259		0.080	0.512				0.989	0.780	1.819	0.607	0.794	**12.362**			**12.362**
Jharkhand														0.002	**0.002**			**0.002**
Madhya Pradesh														0.016	**0.016**			**0.016**
Punjab												0.033			**0.033**			**0.033**
Rajasthan		2.225	6.125			0.168	0.010		0.021		0.002	0.001		1.251	**9.803**			**9.803**
Tamilnadu		1.298	22.561			0.156				0.005	0.112		0.002	0.460	**24.594**			**24.594**
Uttar Pradesh														0.012	**0.012**			**0.012**
All India		**9.045**	**29.945**	**0.000**	**0.080**	**0.836**	**0.010**	**0.000**	**0.021**	**0.994**	**0.894**	**1.853**	**0.609**	**2.535**	46.822	**0.000**	**0.000**	46.822

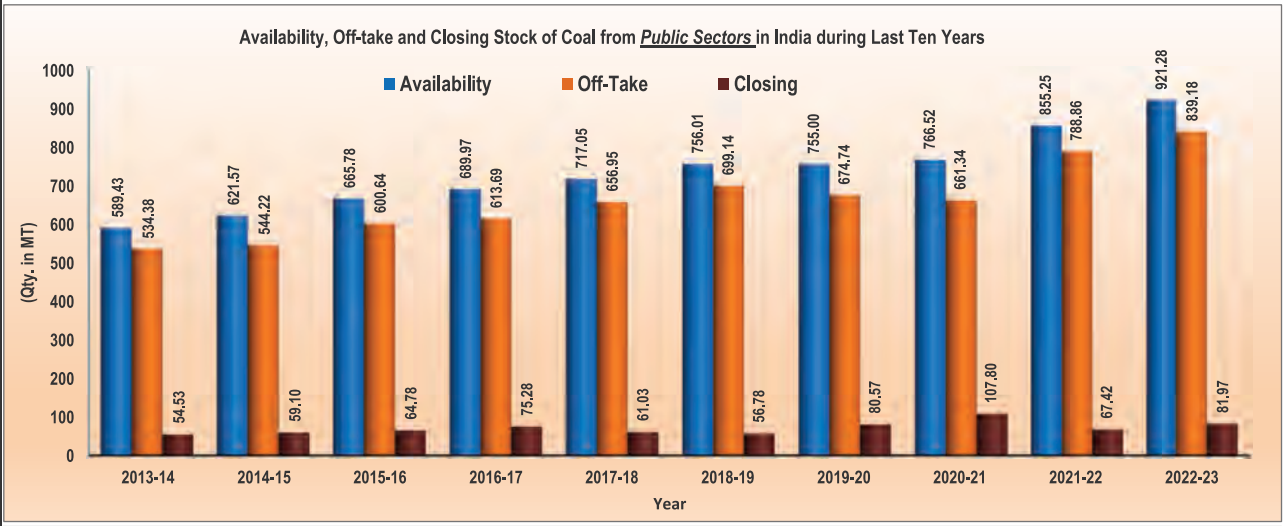
Note: 1. Raw Coal (External) is coal despatched to the consumer.

2. Washed Coal and Middling are washery products having washery losses, therefore, the sum of washed coal and middling is not equal to Raw coal (Internal). Thus, total despatch in table 4.24 is not equal to table 4.20.

Table 4.25 : Availability and Off-take of Indian Raw Coal from Public & 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)
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		**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		**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		**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		**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		**29.739**	1.256	81.432	716.083	**797.515**	690.884	0.197	**691.081**	109.060
2021-22	107.804	747.441	**855.245**	788.670	0.192	**788.862**	67.419	1.256	30.769	**32.025**	30.543	0.000	**30.543**	1.482	109.060	778.210	**887.270**	819.213	0.192	**819.405**	68.901
2022-23	67.419	853.862	**921.281**	839.003	0.180	**839.183**	81.971	1.482	39.329	**40.811**	38.366	0.000	**38.366**	2.445	68.901	893.191	**962.092**	877.369	0.180	**877.549**	**84.416**



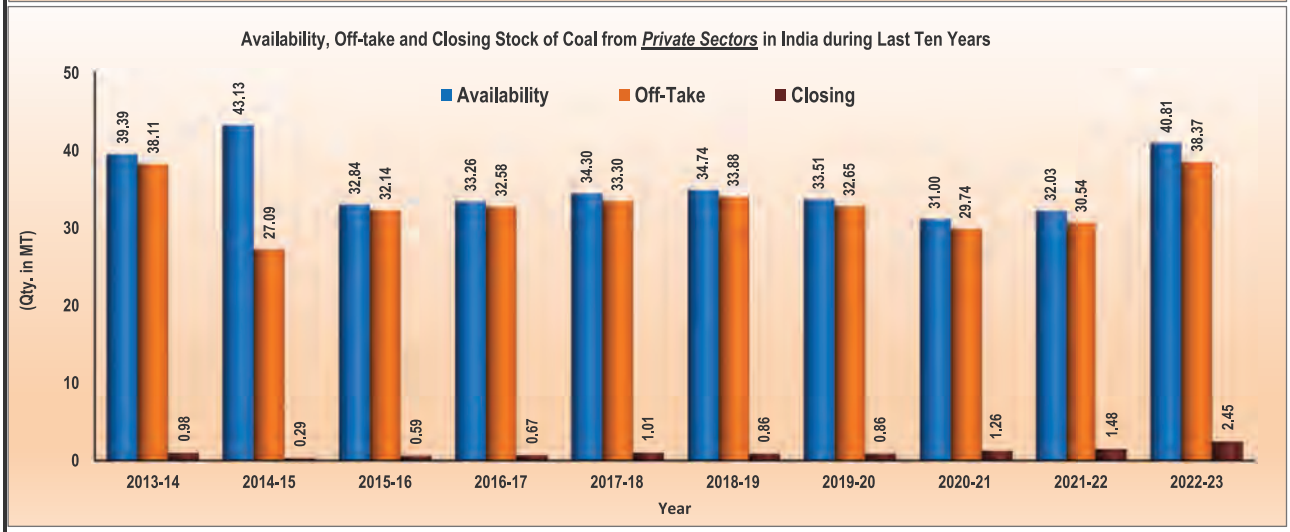


Table 4.26 : Availability and Off-take of Indian Coal by Captive and Non Captive Mine during last Ten Years

(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)
2013-14	1.834	39.484	**41.318**	39.871		**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		**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		**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		**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		**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		**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		**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**	65.865		**65.865**	4.697	78.173	649.732	**727.905**	628.419	0.197	**628.616**	104.347	81.432	716.083	**797.515**	694.284	0.197	**694.481**	109.044
2021-22	4.697	88.631	**93.328**	89.789		**89.789**	3.547	104.347	689.579	**793.926**	729.424	0.192	**729.616**	65.354	109.044	778.210	**887.254**	819.213	0.192	**819.405**	68.901
2022-23	3.547	118.731	**122.278**	112.281		**112.281**	9.999	65.354	774.460	**839.814**	765.088	0.180	**765.268**	74.417	68.901	893.191	**962.092**	877.369	0.180	**877.549**	84.416

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

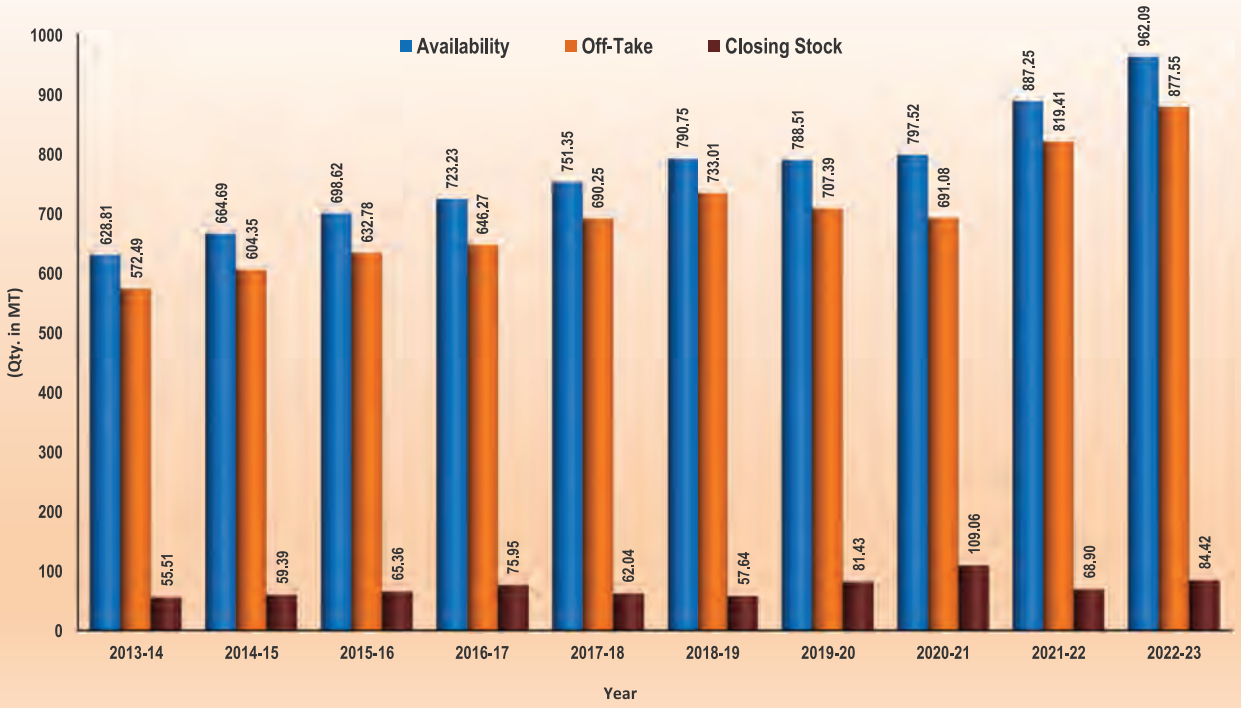


Table 4.27 : Availability and Off-take of Raw Coal by Companies in India during 2021-22 & 2022-23

(Qty. in MT)

Company	2021-22							2022-23						
	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)
Total CIL	**99.139**	**622.633**	**721.772**	**661.741**	**0.192**	**661.933**	**60.932**	**60.932**	**703.204**	**764.136**	**694.544**	**0.180**	**694.724**	**69.300**
SCCL	5.239	65.022	**70.261**	65.533		**65.533**	4.718	4.718	67.137	**71.855**	66.693		**66.693**	5.147
JKML	0.009	0.011	**0.020**	0.018		**0.018**	0.001	0.001	0.010	**0.011**	0.010		**0.010**	0.000
DVC	0.060	0.096	**0.156**	0.000		**0.000**	0.000	0.000	0.033	**0.033**	0.000		**0.000**	0.033
IISCO	0.003	0.340	**0.343**	0.104		**0.104**	0.002	0.002	0.086	**0.088**	0.084		**0.084**	0.002
SAIL	0.000	0.050	**0.050**	0.340		**0.340**	0.000	0.000	0.303	**0.303**	0.303		**0.303**	0.000
JSMDCL	0.015		**0.015**	0.054		**0.054**	0.010	0.010	0.305	**0.315**	0.312		**0.312**	0.004
RRVUNL	0.000	15.000	**15.000**	15.000		**15.000**	0.000	0.000	11.801	**11.801**	11.801		**11.801**	0.000
NTPC	1.083	14.024	**15.107**	14.697		**14.697**	0.409	0.409	23.203	**23.612**	21.818		**21.818**	1.792
WBPDCL	0.873	11.386	**12.259**	11.761		**11.761**	0.498	0.498	18.714	**19.212**	15.697		**15.697**	3.516
CSPGCL	0.334	3.265	**3.599**	3.526		**3.526**	0.074	0.074	3.617	**3.691**	3.082		**3.082**	0.608
TSPGCL	0.008	2.211	**2.219**	2.210		**2.210**	0.008	0.008	2.500	**2.508**	2.500		**2.500**	0.008
OCPL	0.685	5.251	**5.936**	5.562		**5.562**	0.375	0.375	8.000	**8.375**	8.219		**8.219**	0.156
DPL	0.043	0.513	**0.556**	0.537		**0.537**	0.019	0.019	0.551	**0.570**	0.526		**0.526**	0.050
NLCIL	0.313	6.358	**6.671**	6.369		**6.369**	0.301	0.301	10.026	**10.327**	9.898		**9.898**	0.429
APMDCL	0.000	0.023	**0.023**	0.000		**0.000**	0.023	0.023	1.946	**1.969**	1.420		**1.420**	0.549
KPCL	0.000	1.258	**1.258**	1.217		**1.217**	0.049	0.049	1.608	**1.657**	1.646		**1.646**	0.010
THDC			**0.000**	0.000		**0.000**	0.000	0.000	0.311	**0.311**	0.000		**0.000**	0.311
PSPCL			**0.000**	0.000		**0.000**	0.000	0.000	0.507	**0.507**	0.450		**0.450**	0.056
Total Public	**107.804**	**747.441**	**855.245**	**788.670**	**0.192**	**788.862**	**67.419**	**67.419**	**853.862**	**921.281**	**839.003**	**0.180**	**839.183**	**81.971**
TSL	0.016	4.680	**4.696**	4.686		**4.686**	0.009	0.009	5.769	**5.778**	5.771		**5.771**	0.007
SPL	0.683	18.039	**18.722**	18.193		**18.193**	0.530	0.530	16.312	**16.842**	16.394		**16.394**	0.448
CESC	0.334	1.637	**1.971**	1.677		**1.677**	0.295	0.295	1.801	**2.096**	1.949		**1.949**	0.147
HIL	0.131	0.925	**1.056**	0.986		**0.986**	0.070	0.070	0.685	**0.755**	0.746		**0.746**	0.009
GMR	0.000		**0.000**	0.000		**0.000**	0.000	0.000	0.000	**0.000**	0.000		**0.000**	0.000
BALCO	0.001		**0.001**	0.000		**0.000**	0.000	0.000	1.000	**1.000**	0.818		**0.818**	0.183
SIL	0.031	0.166	**0.197**	0.165		**0.165**	0.033	0.033	0.193	**0.226**	0.211		**0.211**	0.015
JPVL	0.000	2.800	**2.800**	2.800		**2.800**	0.000	0.000	3.360	**3.360**	3.139		**3.139**	0.221
JPL	0.000	0.363	**0.363**	0.286		**0.286**	0.077	0.077	6.000	**6.077**	5.611		**5.611**	0.466
RCCPL	0.000	0.205	**0.205**	0.205		**0.205**	0.001	0.001	0.352	**0.353**	0.352		**0.352**	0.001
TUML	0.001	0.241	**0.242**	0.197		**0.197**	0.044	0.044	0.181	**0.225**	0.202		**0.202**	0.022
OCL	0.000		**0.000**	0.000		**0.000**	0.000	0.000	0.000	**0.000**	0.000		**0.000**	0.000
BSIL	0.000	0.126	**0.126**	0.106		**0.106**	0.020	0.020	0.200	**0.220**	0.164		**0.164**	0.057
SEML	0.000	0.786	**0.786**	0.396		**0.396**	0.390	0.390	1.200	**1.590**	1.491		**1.491**	0.099
AMBUJA	0.059	0.779	**0.838**	0.828		**0.828**	0.010	0.010	1.200	**1.210**	1.107		**1.107**	0.103
VEDANTA			**0.000**	0.000		**0.000**	0.000	0.000	0.693	**0.693**	0.038		**0.038**	0.656
UTCL	0.000	0.021	**0.021**	0.018		**0.018**	0.003	0.003	0.359	**0.362**	0.355		**0.355**	0.007
BSMPL			**0.000**	0.000		**0.000**	0.000	0.000	0.024	**0.024**	0.018		**0.018**	0.004
Total Private	**1.256**	**30.769**	**32.025**	**30.543**	**0.000**	**30.543**	**1.482**	**1.482**	**39.329**	**40.811**	**38.366**	**0.000**	**38.366**	**2.445**
All India	**109.060**	**778.210**	**887.270**	**819.213**	**0.192**	**819.405**	**68.901**	**68.901**	**893.191**	**962.092**	**877.369**	**0.180**	**877.549**	**84.416**

Table 4.28 : Company Wise and Sector Wise Off-take of Lignite during last Five Years

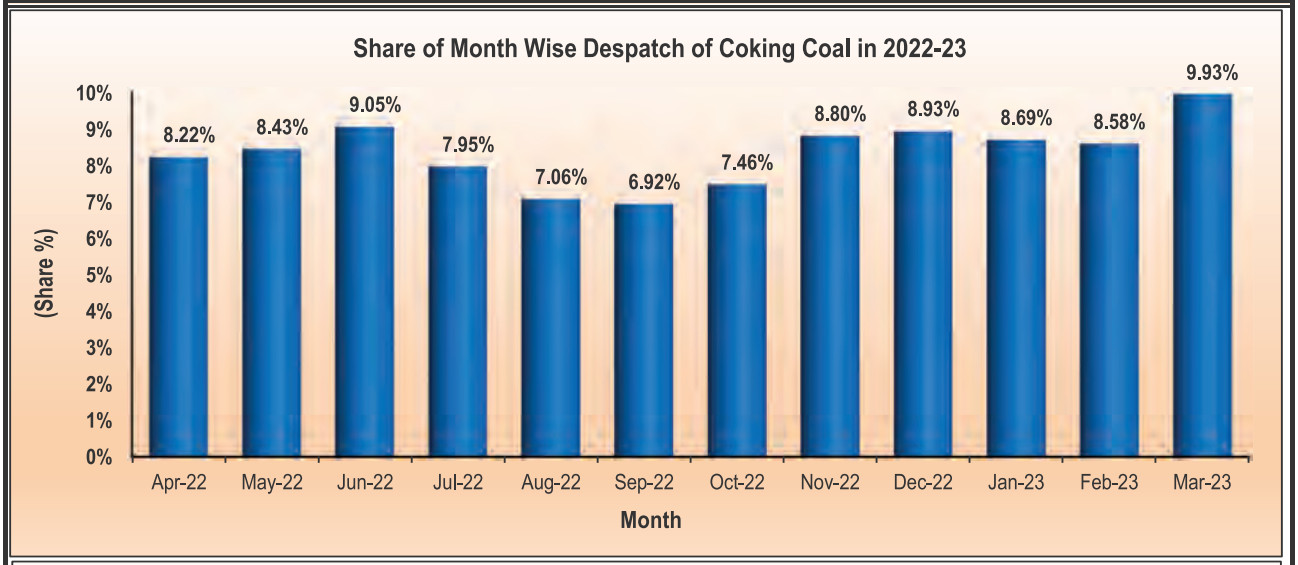
(Qty. in MT)

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)
BLMCL	2018-19	5.917										**5.917**
GHCL		0.082										**0.082**
GIPCL		3.313										**3.313**
GMDCL		3.899		0.286	0.001	2.557		0.463	0.623	0.324	1.007	**9.160**
NLCL		24.156	0.094	1.212			0.004	0.139	0.011	0.004	0.099	**25.719**
RSMML		0.058		0.305		0.057	0.186				0.711	**1.317**
VSLPPL		0.303										**0.303**
Total		**37.728**	**0.094**	**1.803**	**0.001**	**2.614**	**0.190**	**0.602**	**0.634**	**0.328**	**1.817**	**45.811**
BLMCL	2019-20	5.303										**5.303**
GHCL		0.055										**0.055**
GIPCL		3.342										**3.342**
GMDCL		2.691		0.144	0.002	0.122	0.014	0.438	0.454	0.298	2.794	**6.957**
NLCL		24.244	0.021	0.628				0.108	0.011		0.111	**25.123**
RSMML				0.224		0.040	0.043				0.483	**0.790**
VSLPPL		0.697										**0.697**
Total		**36.332**	**0.021**	**0.996**	**0.002**	**0.162**	**0.057**	**0.546**	**0.465**	**0.298**	**3.388**	**42.267**
BLMCL	2020-21	6.163										**6.163**
GHCL		0.036										**0.036**
GIPCL		3.507										**3.507**
GMDCL		2.023		0.102		0.252		0.475	0.418	0.364	2.370	**6.004**
GPCL		1.272										**1.272**
NLCL		19.009	0.024	0.548				0.091	0.008	0.001	0.072	**19.753**
RSMML				0.161		0.038			0.002		0.629	**0.830**
VSLPPL		0.927										**0.927**
Total		**32.937**	**0.024**	**0.811**	**0.000**	**0.290**	**0.000**	**0.566**	**0.428**	**0.365**	**3.071**	**38.492**
BLMCL	2021-22	5.796										**5.796**
GHCL		0.069										**0.069**
GIPCL		2.910										**2.910**
GMDCL		1.918	0.139	0.115	0.001	1.904		1.923	1.130	0.365	1.060	**8.554**
GPCL		1.852										**1.852**
NLCL		25.294	0.123	1.121				0.183	0.003	0.009	0.199	**26.932**
RSMML				0.316		0.176					1.489	**1.981**
VSLPPL		0.918									0.062	**0.980**
Total		**38.757**	**0.262**	**1.551**	**0.001**	**2.080**	**0.000**	**2.106**	**1.133**	**0.374**	**2.811**	**49.074**
BLMCL	2022-23	6.125	0.000									**6.125**
GHCL		0.091	0.000									**0.091**
GIPCL		3.050	0.000									**3.050**
GMDCL		2.060	0.080	0.512		1.771		0.780	0.607	0.989	0.781	**7.580**
GPCL		1.580	0.000									**1.580**
NLCL		25.315	0.042	0.239				0.114	0.002	0.005	0.460	**26.177**
RSMML		0.000	0.000	0.085	0.010	0.082	0.021				1.010	**1.208**
VSLPPL		0.727	0.000								0.284	**1.011**
Total		**38.948**	**0.122**	**0.836**	**0.010**	**1.853**	**0.021**	**0.894**	**0.609**	**0.994**	**2.535**	**46.822**

Table 4.29 : Month Wise and Grade Wise Coking Coal Despatch during 2022-23

(Qty. in MT)

Month	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	Wash-V	Wash-VI	Total Coking	Share %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Apr-22			0.019	0.010	0.181	0.266	2.305	1.934	0.166	**4.881**	8.22%
May-22			0.017	0.018	0.179	0.291	2.422	1.993	0.087	**5.007**	8.43%
Jun-22			0.017	0.015	0.215	0.326	2.713	1.985	0.105	**5.376**	9.05%
Jul-22			0.021	0.023	0.199	0.247	2.490	1.550	0.193	**4.723**	7.95%
Aug-22			0.021	0.011	0.125	0.232	1.935	1.714	0.155	**4.193**	7.06%
Sep-22			0.022	0.016	0.234	0.230	1.742	1.741	0.127	**4.112**	6.92%
Oct-22			0.020	0.009	0.173	0.302	2.190	1.609	0.129	**4.432**	7.46%
Nov-22			0.019	0.020	0.241	0.308	2.667	1.838	0.133	**5.226**	8.80%
Dec-22			0.020	0.015	0.236	0.301	2.675	1.866	0.191	**5.304**	8.93%
Jan-23			0.022	0.010	0.259	0.267	2.451	1.948	0.205	**5.162**	8.69%
Feb-23			0.010	0.012	0.247	0.424	2.435	1.774	0.193	**5.095**	8.58%
Mar-23			0.037	0.009	0.276	0.458	3.140	1.759	0.223	**5.902**	9.93%
Total	**0.000**	**0.000**	**0.245**	**0.168**	**2.565**	**3.652**	**29.165**	**21.711**	**1.907**	**59.413**	**100.00%**



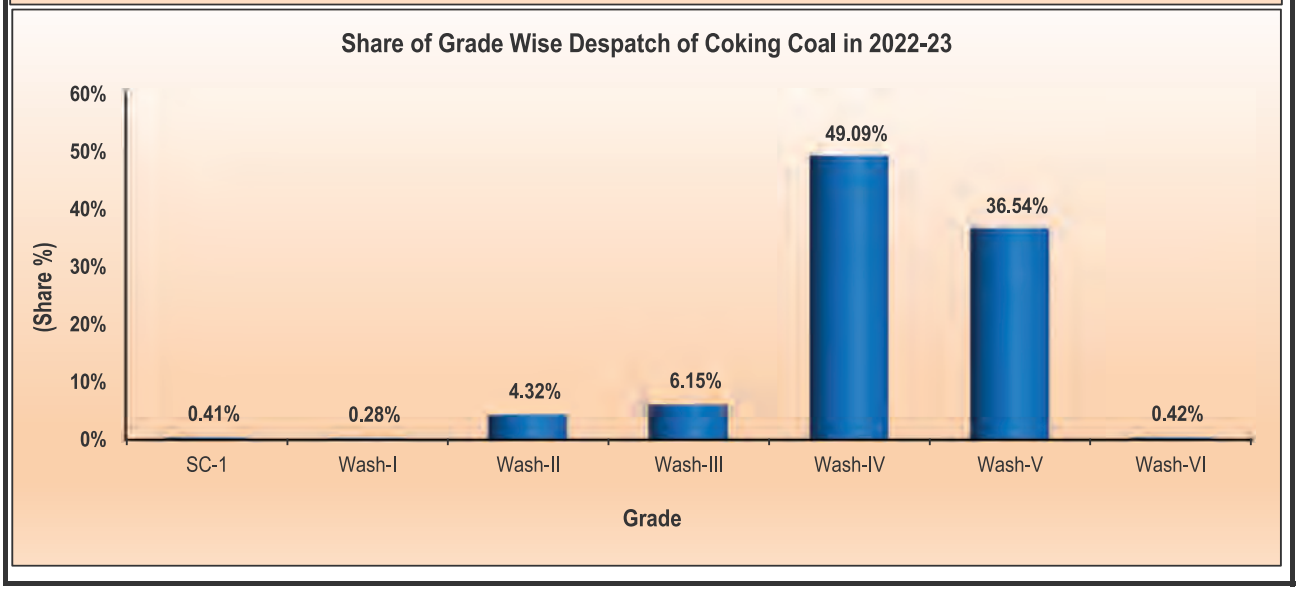
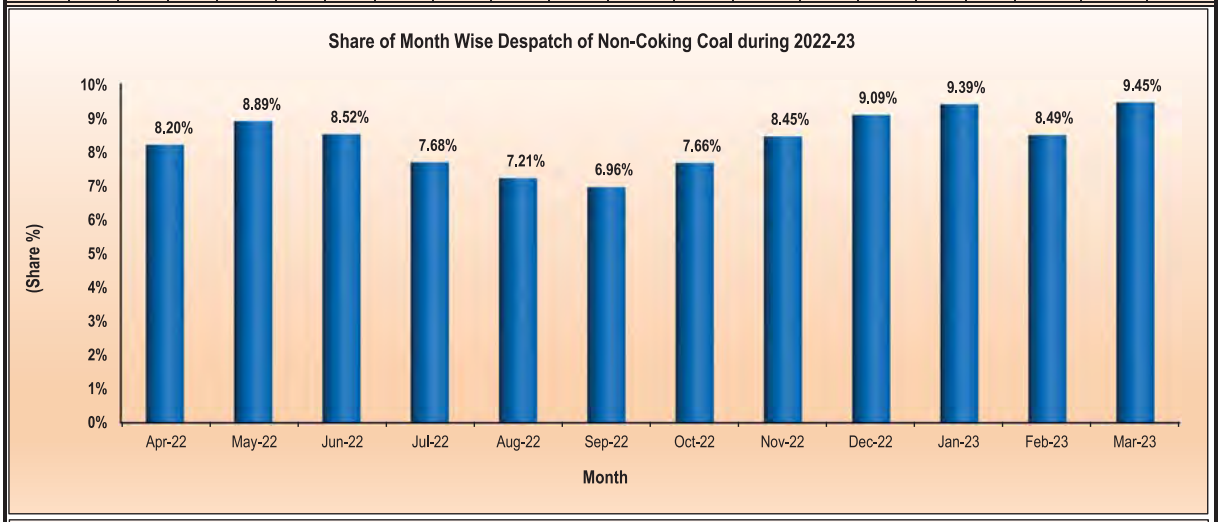


Table 4.30 : Month Wise and Grade Wise Non Coking Coal Despatch during 2022-23

(Qty. in MT)

Month	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	UNG	Total N-Coking	Share %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Apr-22	0.001	0.002	0.074	1.432	0.679	0.567	4.430	4.503	3.207	6.864	18.685	6.899	9.379	7.533	0.973	0.897	0.472	0.457	**67.054**	8.20%
May-22	0.000	0.002	0.080	1.369	0.575	0.541	4.453	4.966	3.540	7.421	20.412	7.889	10.571	7.891	1.474	0.786	0.448	0.336	**72.754**	8.89%
Jun-22	0.001	0.008	0.123	1.235	0.595	0.486	3.723	4.987	3.549	7.098	19.797	8.149	9.338	7.893	1.178	0.483	0.595	0.418	**69.656**	8.52%
Jul-22	0.001	0.011	0.144	1.348	0.762	0.497	3.653	3.810	3.292	5.197	17.321	7.318	8.729	8.038	1.460	0.516	0.316	0.389	**62.802**	7.68%
Aug-22	0.000	0.004	0.115	1.148	0.704	0.515	4.361	3.989	3.244	5.126	15.583	6.272	7.459	7.820	1.768	0.237	0.323	0.346	**59.014**	7.21%
Sep-22	0.000	0.006	0.119	1.081	0.619	0.570	3.912	4.065	3.248	5.458	13.616	6.731	7.570	7.277	1.862	0.051	0.457	0.283	**56.925**	6.96%
Oct-22	0.000	0.002	0.148	1.175	0.630	0.529	3.848	4.302	3.550	6.811	16.363	7.004	8.100	7.749	1.776	0.042	0.345	0.301	**62.675**	7.66%
Nov-22	0.000	0.001	0.143	1.393	0.663	0.498	3.864	4.552	3.896	7.036	19.417	8.104	8.764	8.353	1.498	0.141	0.441	0.360	**69.124**	8.45%
Dec-22	0.000	0.001	0.179	1.517	0.678	0.684	4.006	4.869	4.215	8.496	20.688	7.785	9.372	8.847	1.800	0.391	0.369	0.433	**74.330**	9.09%
Jan-23	0.001	0.010	0.157	1.511	0.887	0.818	4.010	5.022	4.398	9.097	20.769	8.166	9.929	8.796	2.099	0.436	0.495	0.245	**76.846**	9.39%
Feb-23	0.004	0.009	0.163	1.464	0.705	0.923	3.161	4.249	4.299	7.946	18.935	8.051	8.344	8.323	1.763	0.456	0.427	0.252	**69.474**	8.49%
Mar-23	0.000	0.016	0.194	1.765	0.791	1.017	3.511	4.685	4.539	8.484	22.250	8.288	9.265	9.271	2.059	0.431	0.449	0.287	**77.302**	9.45%
Total	**0.008**	**0.072**	**1.639**	**16.438**	**8.288**	**7.645**	**46.932**	**53.999**	**44.977**	**85.034**	**223.836**	**90.656**	**106.820**	**97.791**	**19.710**	**4.867**	**5.137**	**4.107**	**817.956**	**100.00%**



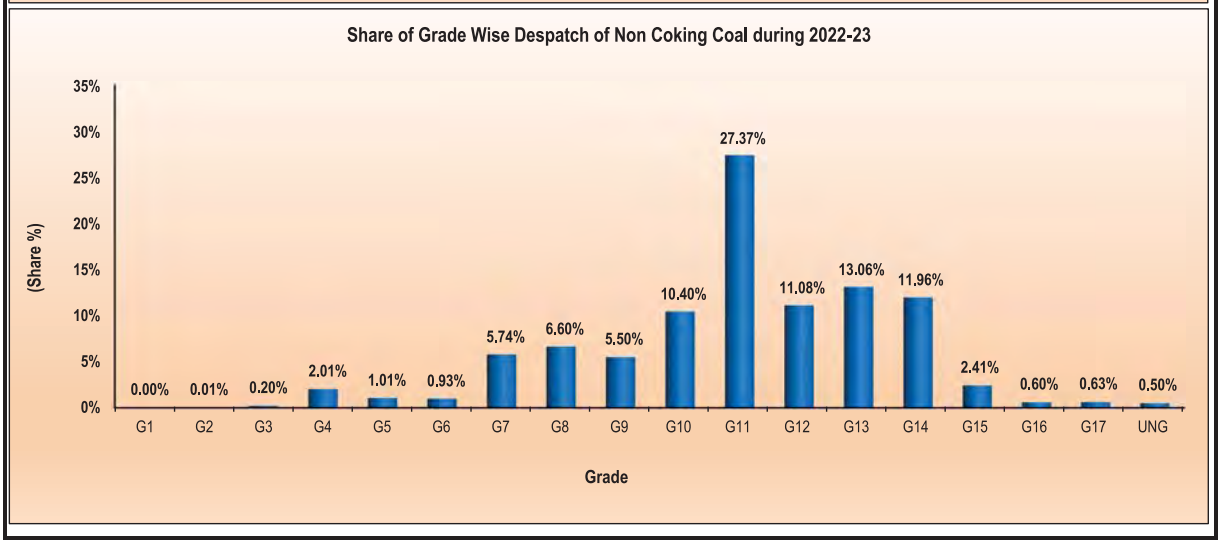


Table 4.31 : Availability and Supply of Raw Coal & Lignite during 2021-22 & 2022-23

(Qty. in MT)

Availability (within India)	2021-22	2022-23
(1)	(2)	(3)
(A) Production		
Coking Coal	51.702	60.759
Non-Coking Coal	726.508	832.432
Lignite	47.492	44.029
Total	**825.703**	**937.220**
(B) Change of Vendible Stock (Closing - Opening)		
Coking Coal	-2.76	1.345
Non-Coking Coal	-37.40	14.170
Lignite	-1.59	-1.833
Total Change (Closing - Opening)	**-41.751**	**13.682**
(C) Import		
Coking Coal	57.123	56.053
Non-Coking Coal	151.504	181.615
Lignite	0.011	0.023
Total Coal	**208.638**	**237.691**
(D) Export		
Coal	1.316	1.166
Lignite	0.814	0.333
Total Export	**2.129**	**1.499**
(E) Total Availability	**1073.962**	**1159.730**

Supply (within India)	2021-22					2022-23				
Sectors	Raw Coal	Lignite	Imported Coal	Imported Lignite	Total	Raw Coal	Lignite	Imported Coal	Imported Lignite	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Steel	9.159	0.262	57.123		**66.544**	13.382	0.122	56.053		**69.557**
Power (Utility+Captive)	710.049	38.757			**748.806**	785.396	38.948			**824.344**
Cement	7.306	1.551			**8.857**	9.309	0.836			**10.145**
Textile	0.080	2.080			**2.160**	0.092	1.853			**1.945**
Sponge Iron	9.023	0.006			**9.029**	8.093	0.000			**8.093**
Fertilizer & Chem.	1.307	0.375			**1.682**	0.857	0.984			**1.841**
Paper	1.244	2.106			**3.350**	1.255	0.894			**2.149**
Brick	0.023	1.133			**1.156**	0.109	0.609			**0.718**
Others	81.022	2.804	151.504		**235.330**	58.876	2.576	181.615		**243.067**
Colliery Consmn.	0.192	0.000			**0.192**	0.180				**0.180**
Total Off-take	**819.405**	**49.074**	**208.627**	**0.011**	1077.117	**877.549**	**46.822**	**237.668**	**0.023**	1162.062
Statistical Difference					**-3.155**					**-2.332**
Total Supply					**1073.962**					**1159.730**

05. 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 31-03-2023, the Pit-head closing stock of coal was 84.416 MT and lignite 1.556 MT. Statement 5.1 shows details of pit-head closing stock of raw coal and lignite for 2021-22 and 2022-23. It can be seen that in 2022-23, closing stock of coal increased over 2021-22 by 22.52% whereas for lignite it hugely decreased by 54.09%.

Statement 5.1: Pit-head Closing Stock (MT) of Coal and Lignite in India at the end of 2021-22 and 2022-23

Types of Fossil Fuel	Year	
	2021-22	2022-23
Coal		
Coking Coal	4.465	5.810
Non-coking	64.436	78.606
Total Raw Coal	**68.901**	**84.416**
Lignite	**3.389**	**1.556**

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	
	Raw Coal	Lignite
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
2021-22	68.901	3.389
2022-23	**84.416**	**1.556**

It can be seen that in the case of coal, the pit-head closing stock has Increased from 2013-14 to 2016-17. Subsequently, it was a decreasing trend in 2017-18 & 2018-19, further a sharp increase in 2019-20 & 2020-21 and now again in 2021-22 sharp decline, again a substantial increase in 2022-23. In case of lignite, it had increasing trend since 2013-14 till 2017-18 and then after it has been falling.

5.1.3 Statement 5.3 shows pit-head closing stock of coal by companies for 2021-22 and 2022-23.

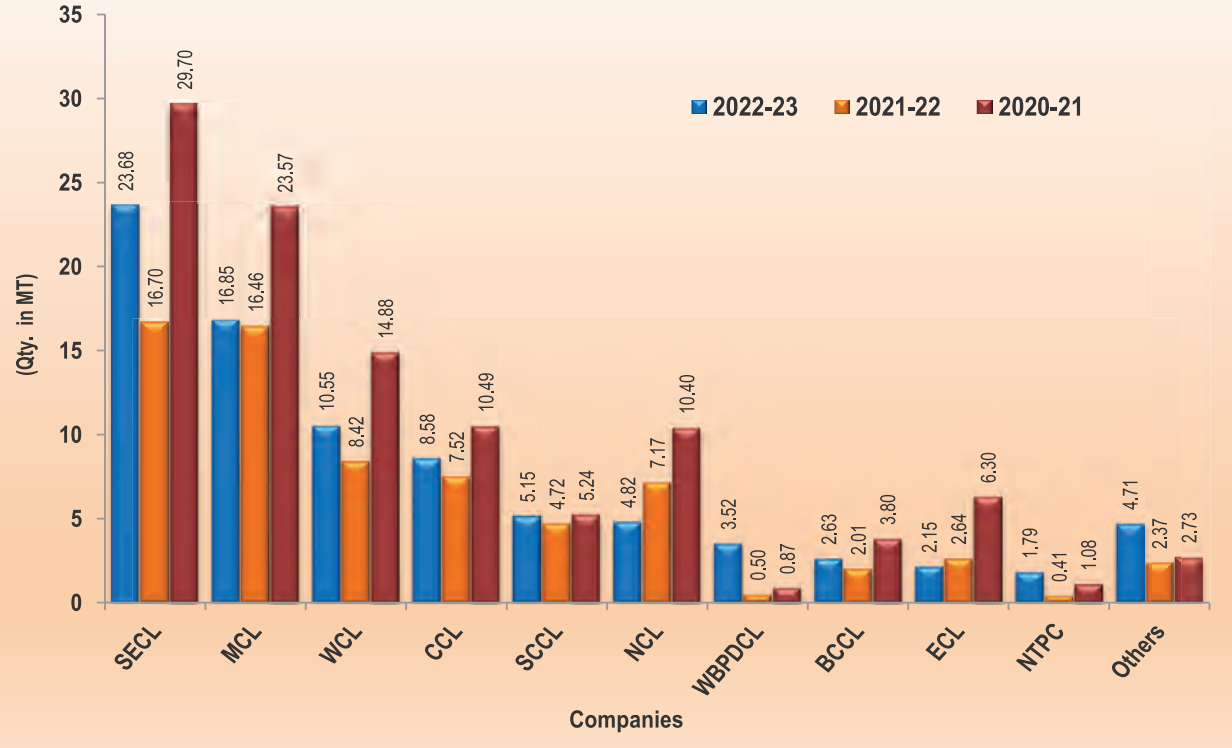
Statement 5.3: Company wise Pit-head Closing Stock (MT) of Coal and Lignite in India at the end of 2021-22 and 2022-23

Company	Year	
	2021-22	2022-23
Coal		
ECL	2.635	2.147
BCCL	2.009	2.626
CCL	7.521	8.584
NCL	7.165	4.821
WCL	8.419	10.554
SECL*	16.699	23.676
MCL	16.456	16.846
NEC	0.028	0.046
CIL	**60.932**	**69.300**
SCCL	4.718	5.147
Other Public	1.769	7.524
Total Public	**67.419**	**81.971**
Total Private	**1.482**	**2.445**
Total	**68.901**	**84.416**
Lignite		
NLC	2.752	1.066
GMDCL	0.000	0.000
GIPCL	0.000	0.000
GHCL	0.026	0.059
RSMML	0.000	0.000
VSLPL	0.074	0.063
BLMCL	0.514	0.367
GPCL	0.023	0.001
Total	**3.389**	**1.556**

*Including Stocks from (GP-IV/2&3) coal blocks.

Chart V.I : State Wise Pit Head Closing Stock of Raw Coal during last Three Years

Chart V.II : Company Wise Pit Head Closing Stock of Raw Coal during last Three Years

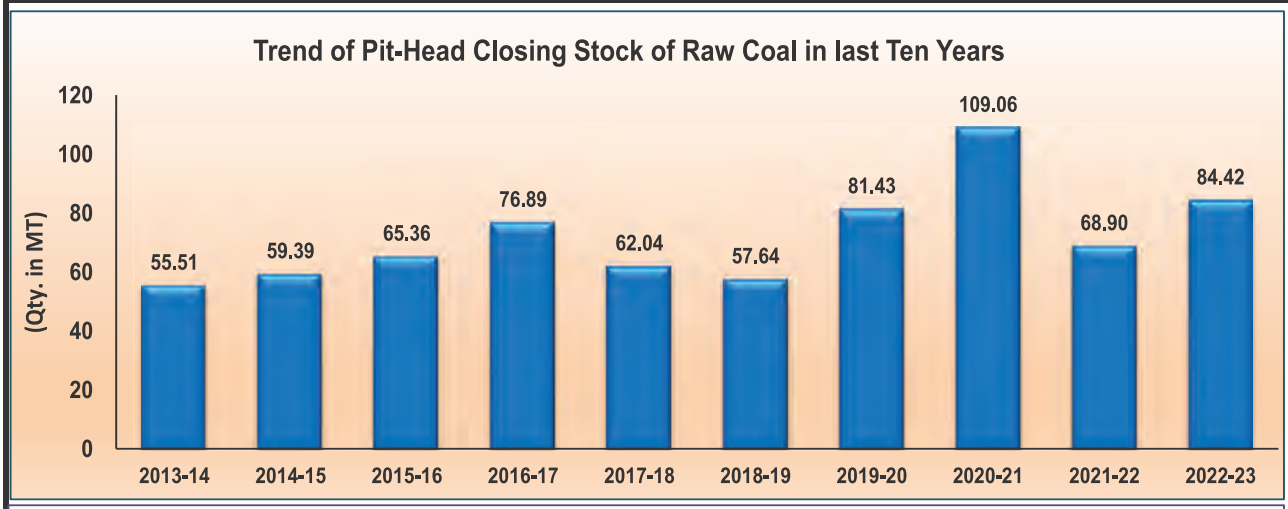


Note: SECL (Including GP-IV/1 and IV/2 & 3)

Table 5.1 : Pit-Head Closing Stock of Raw Coal and Lignite in India during last Ten Years

(Qty. in MT)

Year	Raw Coal			Lignite			Total Solid Fossil Fuel	
	Quantity	Share in Total Solid Fossil Fuel (%)	Change Over Previous Year (%)	Quantity	Share in Total Solid Fossil Fuel (%)	Change Over Previous Year (%)	Quantity	Change Over Previous Year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2013-14	55.514	96.76	▼ 12.0%	1.860	3.24	▲ 24.6%	57.374	▼ 11.1%
2014-15	59.389	94.92	▲ 7.0%	3.176	5.08	▲ 70.8%	62.565	▲ 9.0%
2015-16	65.361	93.15	▲ 10.1%	4.809	6.85	▲ 51.4%	70.170	▲ 12.2%
2016-17	76.889	91.78	▲ 17.6%	6.883	8.22	▲ 43.1%	83.772	▲ 19.4%
2017-18	62.036	89.59	▼ 19.3%	7.210	10.41	▲ 4.8%	69.246	▼ 17.3%
2018-19	57.640	91.04	▼ 7.1%	5.672	8.96	▼ 21.3%	63.312	▼ 8.6%
2019-20	81.432	93.68	▲ 41.3%	5.495	6.32	▼ 3.1%	86.927	▲ 37.3%
2020-21	109.060	95.63	▲ 33.9%	4.981	4.37	▼ 9.4%	114.041	▲ 31.2%
2021-22	68.901	95.31	▼ 36.8%	3.389	4.69	▼ 32.0%	72.290	▼ 36.6%
2022-23	84.416	98.19	▲ 22.5%	1.556	1.81	▼ 54.1%	85.972	▲ 18.9%



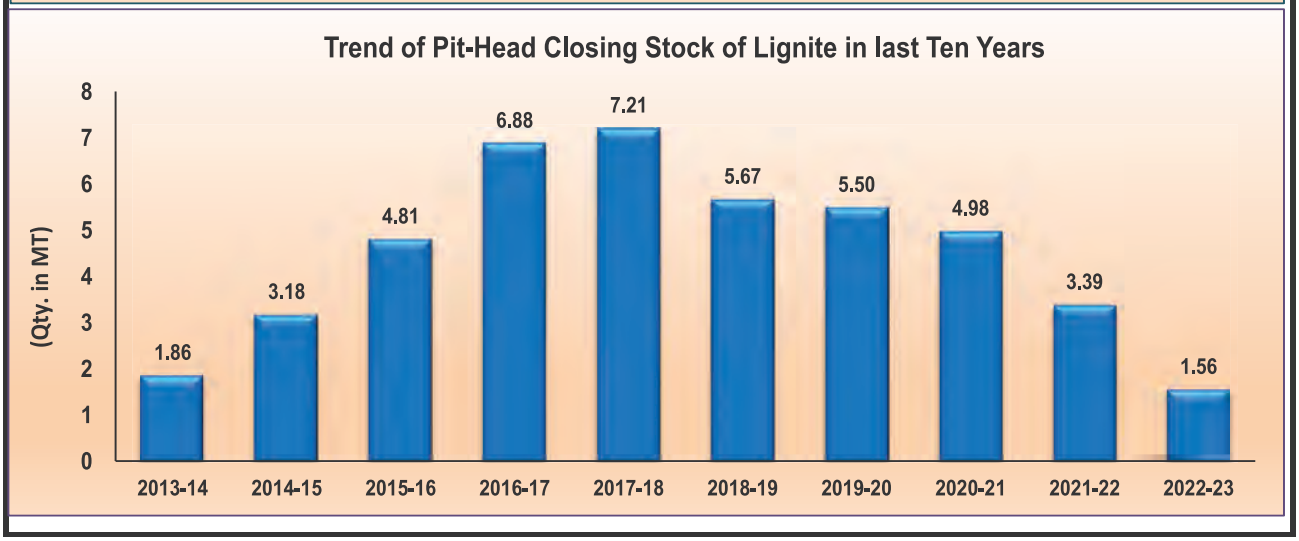


Table 5.2 : Pit-Head Closing Stock of different types of Raw Coal in India during last Ten Years

(Qty. in MT)

Year	Coking Coal									Non-Coking Coal			Total Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal							
	Quantity	Share in Total Coking (%)	Change Over Previous Year (%)	Quantity	Share in Total Coking (%)	Change Over Previous Year (%)	Quantity	Share in Total Coal (%)	Change Over Previous Year (%)	Quantity	Share in Total Coal (%)	Change Over Previous Year (%)	Quantity	Change Over Previous Year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2013-14	1.139	17.76	▼ 23.0%	5.273	82.24	▼ 19.6%	**6.412**	11.55	▼ 20.2%	49.102	88.45	▼ 10.7%	**55.514**	▼ **12.0%**
2014-15	1.174	16.86	▲ 3.1%	5.790	83.14	▲ 9.8%	**6.964**	11.73	▲ 8.6%	52.425	88.27	▲ 6.8%	**59.389**	▲ **7.0%**
2015-16	1.562	17.90	▲ 33.0%	7.162	82.10	▲ 23.7%	**8.724**	13.35	▲ 25.3%	56.637	86.65	▲ 8.0%	**65.361**	▲ **10.1%**
2016-17	1.563	14.00	▲ 0.1%	9.602	86.00	▲ 34.1%	**11.165**	14.52	▲ 28.0%	65.724	85.48	▲ 16.0%	**76.889**	▲ **17.6%**
2017-18	2.012	33.25	▲ 28.7%	4.040	66.75	▼ 57.9%	**6.052**	9.76	▼ 45.8%	55.984	90.24	▼ 14.8%	**62.036**	▼ **19.3%**
2018-19	3.482	84.21	▲ 73.1%	0.653	15.79	▼ 83.8%	**4.135**	7.17	▼ 31.7%	53.505	92.83	▼ 4.4%	**57.640**	▼ **7.1%**
2019-20	3.246	50.55	▼ 6.8%	3.176	49.45	▲ 386.4%	**6.422**	7.89	▲ 55.3%	75.010	92.11	▲ 40.2%	**81.432**	▲ **41.3%**
2020-21	5.951	82.32	▲ 83.3%	1.278	17.68	▼ 59.8%	**7.229**	6.63	▲ 12.6%	101.831	93.37	▲ 35.8%	**109.060**	▲ **33.9%**
2021-22	3.643	81.59	▼ 38.8%	0.822	18.41	▼ 35.7%	**4.465**	6.48	▼ 38.2%	64.436	93.52	▼ 36.7%	**68.901**	▼ **36.8%**
2022-23	3.703	63.73	▲ 1.6%	2.107	36.27	▲ 156.3%	**5.810**	6.88	▲ 30.1%	78.606	93.12	▲ 22.0%	**84.416**	▲ **22.5%**

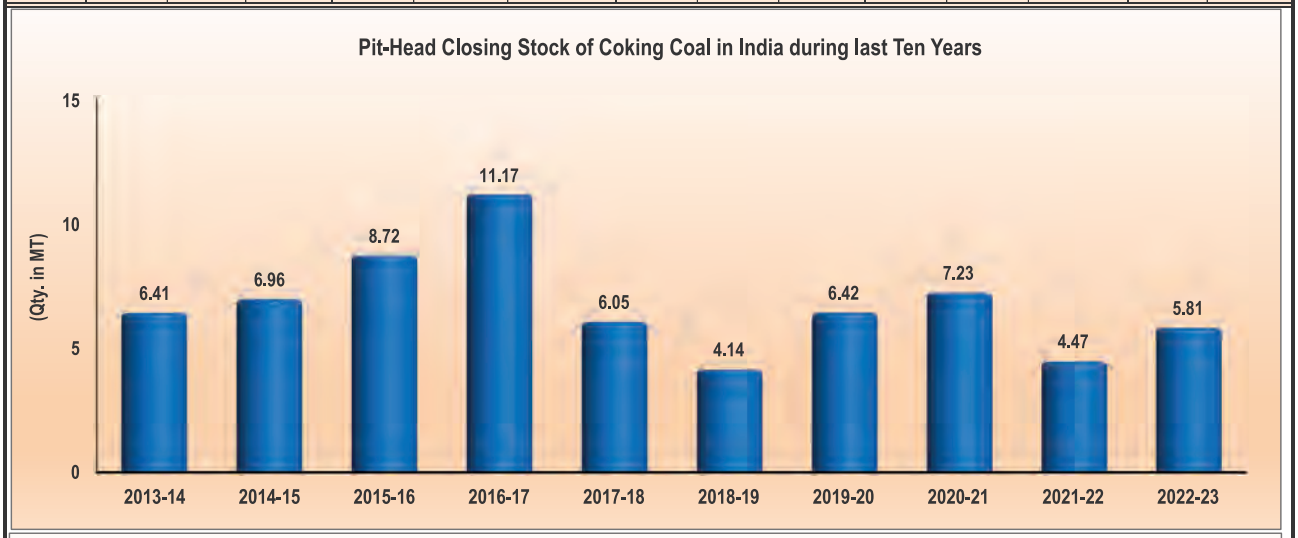
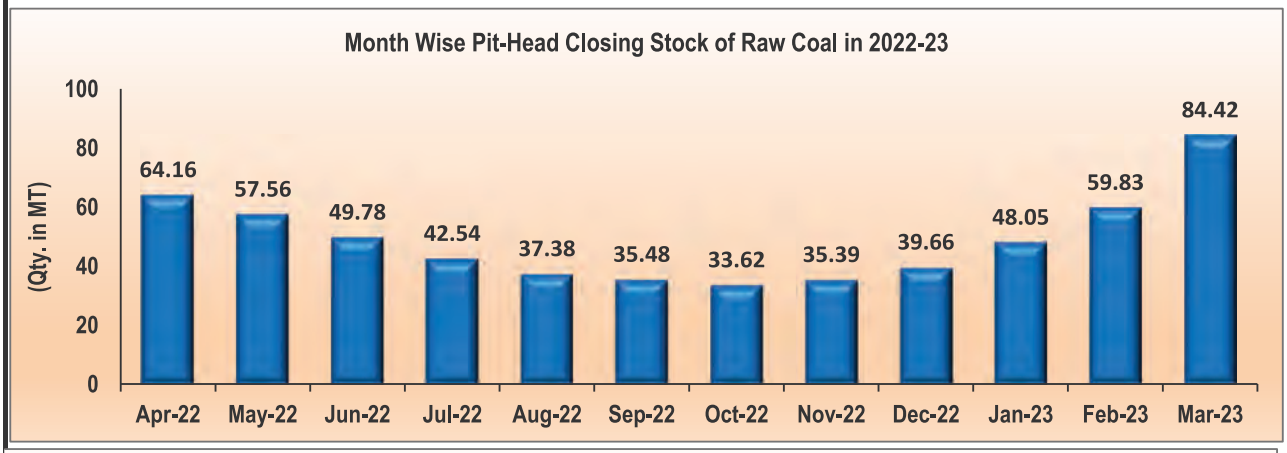


Table 5.3 : Month Wise Pit-Head Closing Stock of Raw Coal, Lignite & various Coal Products in 2022-23

(Qty. in MT)

Month	Raw Coal	Lignite	Washed Coal (Coking)	Washed Coal (Non-coking)	Middlings (Coking)	Middlings (Non-coking)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Apr-22	64.157	2.600	0.132	0.141	0.551	0.094
May-22	57.562	2.093	0.123	0.227	0.518	0.074
Jun-22	49.780	1.930	0.120	0.120	0.459	0.111
1st Quarter	**49.780**	**1.930**	**0.120**	**0.120**	**0.459**	**0.111**
Jul-22	42.543	1.782	0.117	0.164	0.438	0.097
Aug-22	37.383	1.602	0.113	0.064	0.403	0.096
Sep-22	35.480	1.181	0.113	0.056	0.442	0.066
2nd Quarter	**35.480**	**1.181**	**0.113**	**0.056**	**0.442**	**0.066**
Oct-22	33.618	1.085	0.097	0.162	0.430	0.079
Nov-22	35.393	0.820	0.124	0.103	0.500	0.092
Dec-22	39.656	1.016	0.136	0.167	0.503	0.123
3rd Quarter	**39.656**	**1.016**	**0.136**	**0.167**	**0.503**	**0.123**
Jan-23	48.053	1.066	0.127	0.143	0.528	0.144
Feb-23	59.831	1.260	0.153	0.269	0.519	0.143
Mar-23	84.416	1.556	0.146	0.364	0.499	0.132
4th Quarter	**84.416**	**1.556**	**0.146**	**0.364**	**0.499**	**0.132**
Total	**84.416**	**1.556**	**0.146**	**0.364**	**0.499**	**0.132**



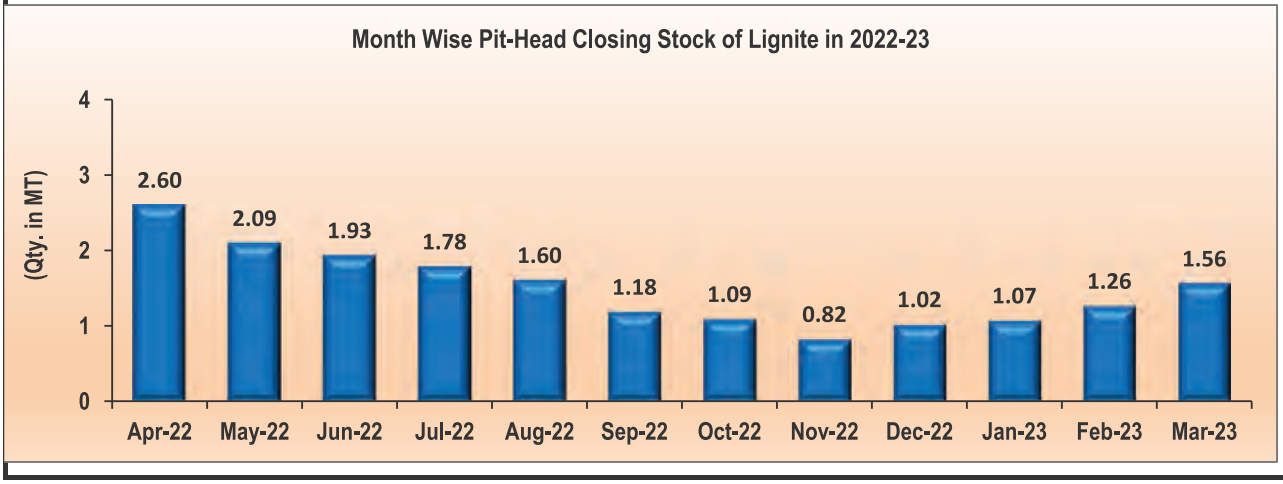
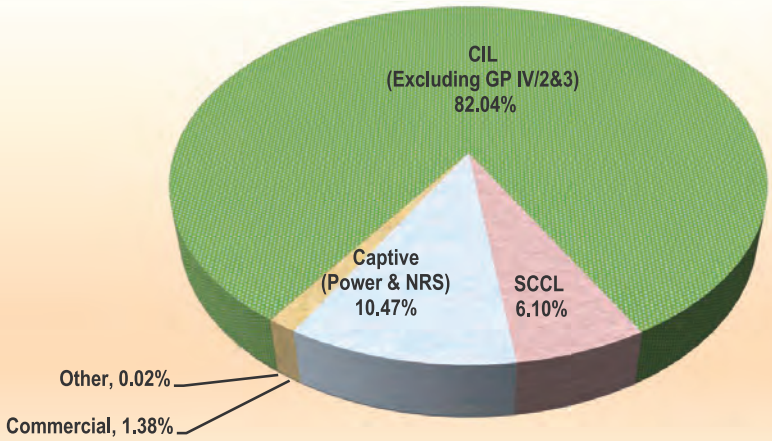


Table 5.4 : Month Wise and Company Wise (CIL, SCCL, Captive, Commercial and Others)
Pit Head Closing Stock of Raw Coal during 2022-23

(Qty. in MT)

Month	CIL (Excluding GP IV/2&3)		SCCL		Captive (Power & NRS)		Commercial		Other		All India	
	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Share (%) All India (Month)	Quantity	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
April	56.480	88.03%	4.370	6.81%	2.425	3.78%	0.870	1.36%	0.012	0.02%	**64.157**	▼ 32.81%
May	49.910	86.71%	4.272	7.42%	2.466	4.28%	0.897	1.56%	0.017	0.03%	**57.562**	▼ 29.75%
June	42.528	85.43%	4.353	8.74%	2.197	4.41%	0.691	1.39%	0.011	0.02%	**49.780**	▼ 29.19%
July	35.623	83.73%	4.281	10.06%	2.091	4.92%	0.534	1.26%	0.014	0.03%	**42.543**	▼ 31.58%
August	30.880	82.60%	4.346	11.63%	1.761	4.71%	0.382	1.02%	0.014	0.04%	**37.383**	▼ 48.51%
September	28.902	81.46%	4.501	12.69%	1.849	5.21%	0.217	0.61%	0.011	0.03%	**35.480**	▼ 25.70%
October	27.114	80.65%	4.586	13.64%	1.676	4.98%	0.228	0.68%	0.014	0.04%	**33.618**	▼ 19.55%
November	28.349	80.10%	4.709	13.30%	1.966	5.55%	0.344	0.97%	0.025	0.07%	**35.393**	▼ 08.09%
December	31.960	80.59%	4.724	11.91%	2.497	6.30%	0.454	1.14%	0.021	0.05%	**39.656**	▲ 03.43%
January	39.272	81.73%	4.752	9.89%	3.394	7.06%	0.620	1.29%	0.015	0.03%	**48.053**	▲ 13.40%
February	49.829	83.28%	4.827	8.07%	4.335	7.24%	0.818	1.37%	0.022	0.04%	**59.831**	▲ 19.30%
March	69.257	82.04%	5.147	6.10%	8.838	10.47%	1.161	1.38%	0.013	0.02%	**84.416**	▲ 22.52%
Total 2022-23	**69.257**	**82.04%**	**5.147**	**6.10%**	**8.838**	**10.47%**	**1.161**	**1.38%**	**0.013**	**0.02%**	84.416	▲ 22.52%

Share of Company Wise (CIL, SCCL, Captive, Commercial and Others) Pit Head Closing Stock of Raw Coal during 2022-23



Month Wise Pit Head Closing Stock of Raw Coal in India during 2022-23

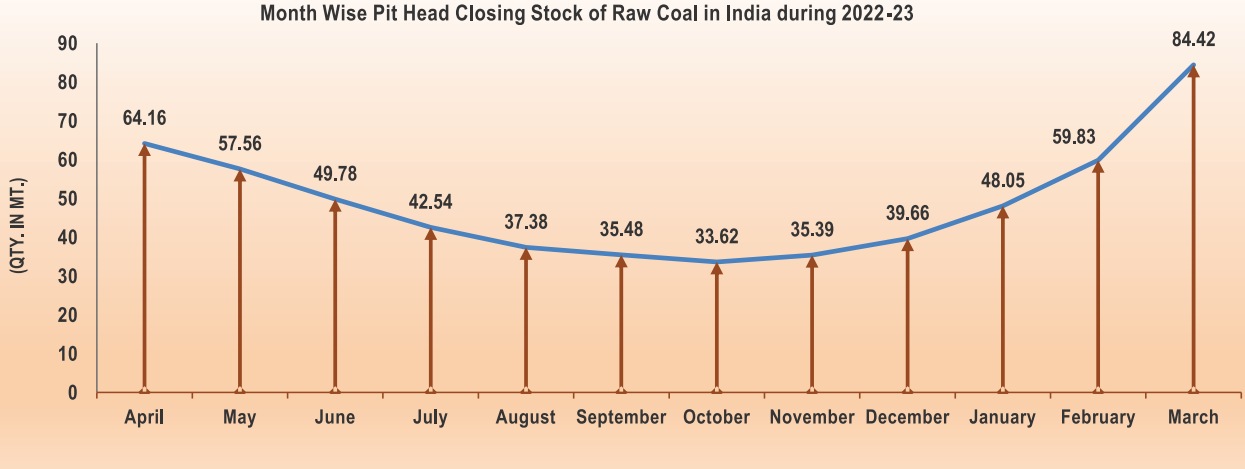


Table 5.5 : State Wise Pit-Head Closing Stock of Raw Coal during last Ten Years

(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)
2013-14				0.169	0.30	▲ 106.10%	7.186	12.94	▲ 27.43%
2014-15				0.215	0.36	▲ 27.22%	11.576	19.49	▲ 61.09%
2015-16				0.359	0.55	▲ 66.98%	9.444	14.45	▼ 18.42%
2016-17				0.183	0.24	▼ 49.03%	12.147	15.80	▲ 28.62%
2017-18				0.069	0.11	▼ 62.30%	7.359	11.86	▼ 39.42%
2018-19				0.100	0.17	▲ 44.93%	8.424	14.61	▲ 14.47%
2019-20				0.054	0.07	▼ 46.00%	18.264	22.43	▲ 116.81%
2020-21				0.000	0.00	▼ 100.00%	29.723	27.25	▲ 62.74%
2021-22				0.028	0.04	▲ 00.03%	16.890	24.51	▼ 43.17%
2022-23				0.046	0.05	▲ 00.02%	25.056	29.68	▲ 48.34%

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)
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	▲ 00.00%	15.544	26.17	▲ 11.13%	4.111	6.92	▼ 28.58%
2015-16	0.013	0.02	▲ 00.00%	18.355	28.08	▲ 18.08%	6.854	10.49	▲ 66.72%
2016-17	0.012	0.02	▼ 07.69%	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	▼ 06.58%	4.187	7.26	▲ 47.12%
2019-20	0.007	0.01	▲ 133.33%	17.959	22.05	▼ 06.88%	4.078	5.01	▼ 02.60%
2020-21	0.009	0.01	▲ 28.57%	19.320	17.72	▲ 07.58%	6.796	6.23	▲ 66.65%
2021-22	0.001	0.00	▼ 91.69%	10.799	15.67	▼ 44.10%	6.708	9.74	▼ 01.30%
2022-23	0.000	0.00	▼ 100.00%	16.590	19.65	▲ 53.62%	5.746	6.81	▼ 14.34%

Year	Maharashtra			Odisha			Telangana		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2013-14	5.670	10.21	▲ 00.25%	14.293	25.75	▼ 21.36%	5.548	9.99	▲ 83.71%
2014-15	5.370	9.04	▼ 05.29%	12.538	21.11	▼ 12.28%	5.348	9.01	▼ 03.60%
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	▲ 06.49%
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	▲ 06.29%	24.922	22.85	▲ 18.68%	5.247	4.81	▲ 64.38%
2021-22	8.312	12.06	▼ 42.81%	17.445	25.32	▼ 30.00%	4.726	6.86	▼ 09.92%
2022-23	10.608	12.57	▲ 27.63%	18.286	21.66	▲ 04.82%	5.155	6.11	▲ 09.07%

Contd.....

Table 5.5 : State Wise Pit-Head Closing Stock of Raw Coal during 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)
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	▲ 06.98%
2015-16	3.570	5.46	▲ 43.72%	2.241	3.43	▲ 02.33%	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	▼ 07.09%
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%
2021-22	1.678	2.44	▼ 67.50%	2.314	3.36	▼ 30.85%	68.901	▼ 36.82%
2022-23	1.126	1.33	▼ 32.90%	1.803	2.14	▼ 22.10%	84.416	▲ 22.52%

State Wise Share of Pit-Head Closing Stock of Raw Coal during 2022-23

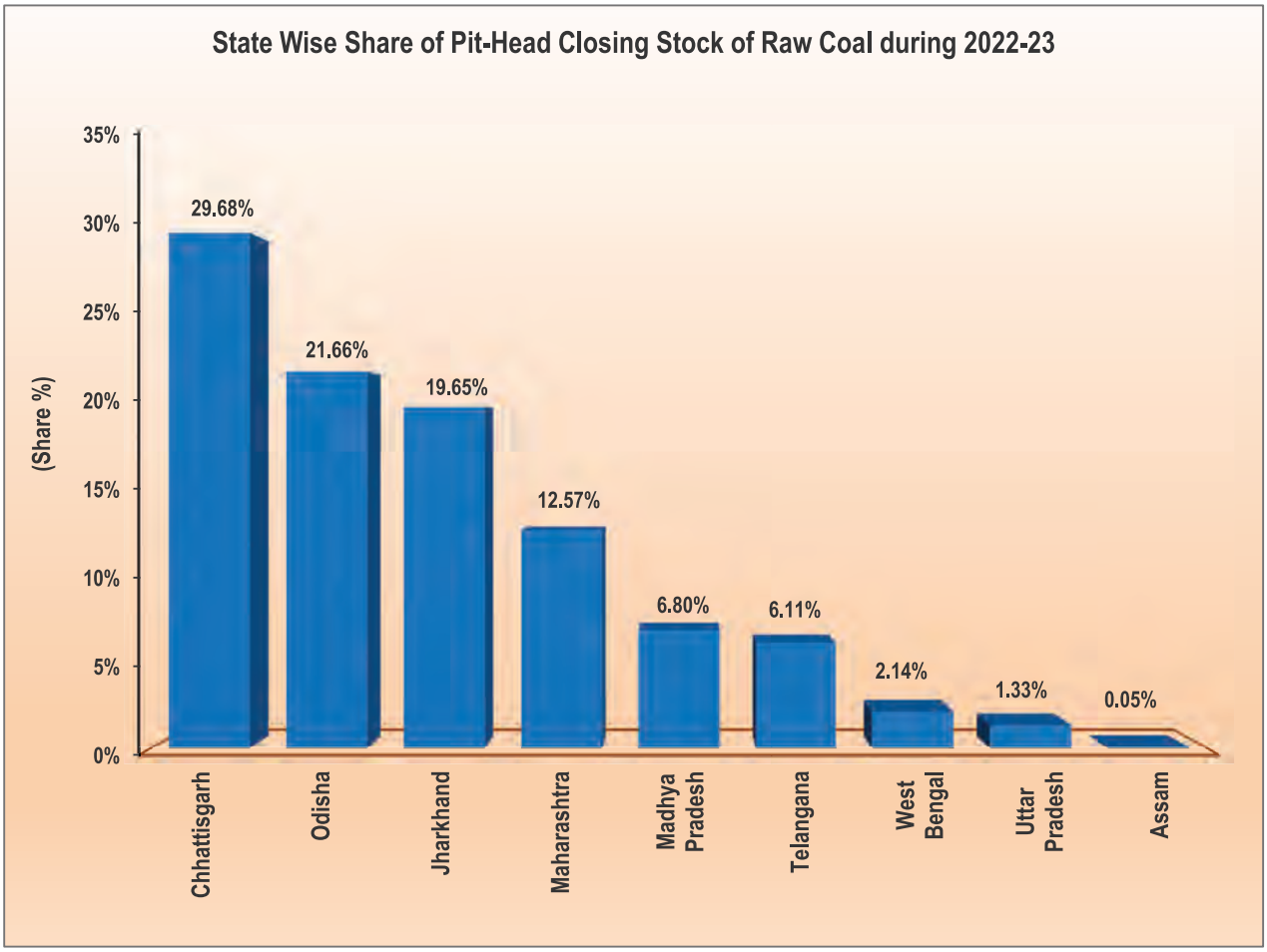


Table 5.6 : State Wise Pit-Head Closing Stock of Lignite during last Ten Years

(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)
2013-14	1.739	93.49	▲ 55.1%	0.069	3.71	▼ 78.4%	0.052	2.80	▲ 0.0%
2014-15	2.842	73.29	▲ 63.4%	0.023	0.59	▼ 66.7%	1.013	26.12	▲ 1848.1%
2015-16	4.573	95.09	▲ 60.9%	0.011	0.23	▼ 52.2%	0.225	4.68	▼ 77.8%
2016-17	6.612	96.06	▲ 44.6%	0.012	0.17	▲ 9.1%	0.259	3.76	▲ 15.1%
2017-18	6.784	94.09	▲ 2.6%	0.014	0.19	▲ 16.7%	0.412	5.71	▲ 59.1%
2018-19	5.319	93.78	▼ 21.6%	0.025	0.44	▲ 78.6%	0.328	5.78	▼ 20.4%
2019-20	5.059	92.07	▼ 4.9%	0.028	0.51	▲ 12.0%	0.408	7.42	▲ 24.4%
2020-21	4.571	91.77	▼ 9.6%	0.103	2.07	▲ 267.9%	0.307	6.16	▼ 24.8%
2021-22	2.752	81.20	▼ 39.8%	0.049	1.45	▼ 52.3%	0.588	17.35	▲ 91.5%
2022-23	1.066	68.51	▼ 61.3%	0.060	3.86	▲ 22.2%	0.430	27.63	▼ 26.9%

Year	All India	
	Quantity	Growth %
(11)	(12)	(13)
2013-14	1.860	▲ 24.6%
2014-15	3.878	▲ 108.5%
2015-16	4.809	▲ 24.0%
2016-17	6.883	▲ 43.1%
2017-18	7.210	▲ 4.8%
2018-19	5.672	▼ 21.3%
2019-20	5.495	▼ 3.1%
2020-21	4.981	▼ 9.4%
2021-22	3.389	▼ 32.0%
2022-23	1.556	▼ 54.1%

State Wise Share of Pit-Head Closing Stock of Lignite in India during 2022-23

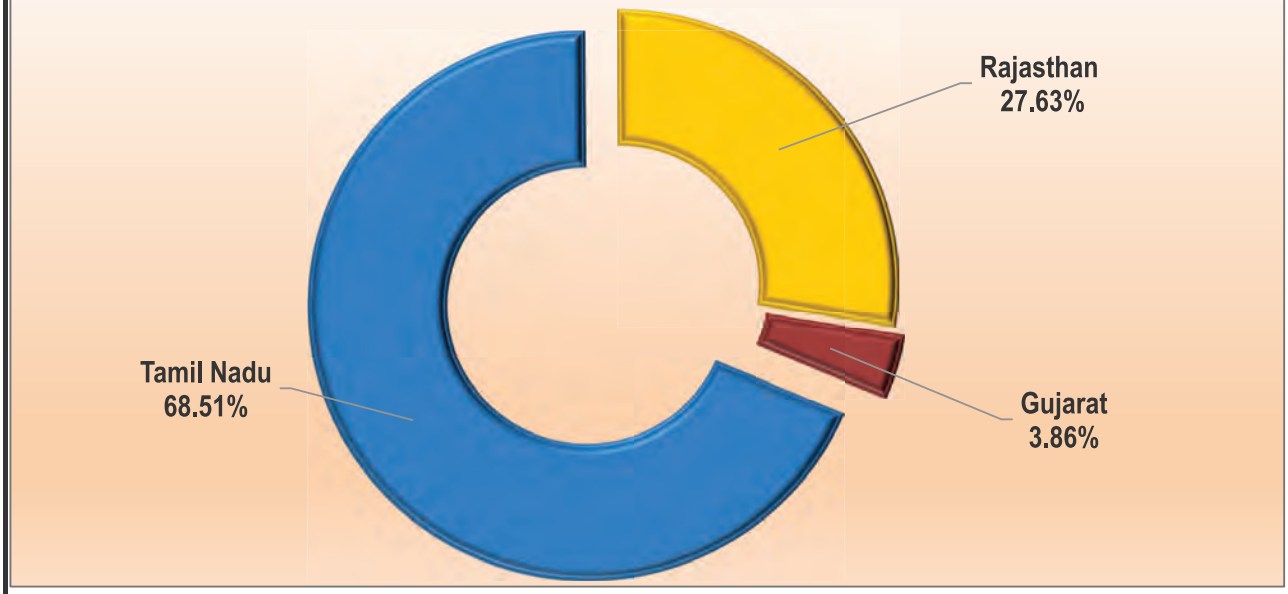


Table 5.7 : Company Wise Pit-Head Closing Stock of Raw Coal in India during last Three Years

(Qty. in MT)

Company	2020-21		2021-22		2022-23	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ECL	6.302	5.78	2.635	3.82	2.147	2.54
BCCL	3.800	3.48	2.009	2.92	2.626	3.11
CCL	10.491	9.62	7.521	10.92	8.584	10.17
NCL	10.396	9.53	7.165	10.40	4.821	5.71
WCL	14.879	13.64	8.419	12.22	10.554	12.50
SECL	29.585	27.13	16.381	23.77	23.633	28.00
SECL(GP-IV/2&3)	0.118	0.11	0.318	0.46	0.043	0.05
MCL	23.568	21.61	16.456	23.88	16.846	19.96
NEC		0.00	0.028	0.04	0.046	0.05
CIL	**99.139**	**90.90**	**60.932**	**88.43**	**69.300**	**82.09**
SCCL	5.239	4.80	4.718	6.85	5.147	6.10
JKML	0.009	0.01	0.001	0.00		0.00
JSMDCL	0.015	0.01	0.010	0.02	0.004	0.00
DVC	0.060	0.06		0.00	0.033	0.04
IISCO	0.003	0.00	0.002	0.00	0.002	0.00
SAIL		0.00		0.00		0.00
RRVUNL		0.00		0.00		0.00
NTPC	1.083	0.99	0.409	0.59	1.792	2.12
WBPDCL	0.873	0.80	0.498	0.72	3.516	4.17
CSPGCL	0.334	0.31	0.074	0.11	0.608	0.72
TSPGCL	0.008	0.01	0.008	0.01	0.008	0.01
OCPL	0.685	0.63	0.375	0.54	0.156	0.18
DPL	0.043	0.04	0.019	0.03	0.050	0.06
NLCIL	0.313	0.29	0.301	0.44	0.429	0.51
KPCL		0.00	0.049	0.07	0.010	0.01
APMDCL		0.00	0.023	0.03	0.549	0.65
PSPCL		0.00		0.00	0.056	0.07
THDC		0.00		0.00	0.311	0.37
Total Public	**107.804**	**98.85**	**67.419**	**97.85**	**81.971**	**97.10**

Contd.....

Table 5.7 : Company Wise Pit-Head Closing Stock of Raw Coal in India during last Three Years

(Qty. in MT)

Company	2020-21		2021-22		2022-23	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
TSL	0.016	0.01	0.009	0.01	0.007	0.01
HIL	0.131	0.12	0.070	0.10	0.009	0.01
SIL	0.031	0.03	0.033	0.05	0.015	0.02
SPL	0.683	0.63	0.530	0.77	0.448	0.53
GMR		0.00		0.00		0.00
BALCO	0.001	0.00		0.00	0.183	0.22
CESC	0.334	0.31	0.295	0.43	0.147	0.17
JPVL		0.00	0.000	0.00	0.221	0.26
RCCPL		0.00	0.001	0.00	0.001	0.00
TUML	0.001	0.00	0.044	0.06	0.022	0.03
OCL		0.00		0.00		0.00
AMBUJA	0.059	0.05	0.010	0.01	0.103	0.12
BSIL		0.00	0.020	0.03	0.057	0.07
UTCL		0.00	0.003	0.00	0.007	0.01
JPL		0.00	0.077	0.11	0.466	0.55
SEML		0.00	0.390	0.57	0.099	0.12
Vedanta		0.00		0.00	0.656	0.78
BSMPL		0.00		0.00	0.004	0.00
Total Private	**1.256**	**1.15**	**1.482**	**2.15**	**2.445**	**2.90**
All India	**109.060**	**100.00**	**68.901**	**100.00**	**84.416**	**100.00**

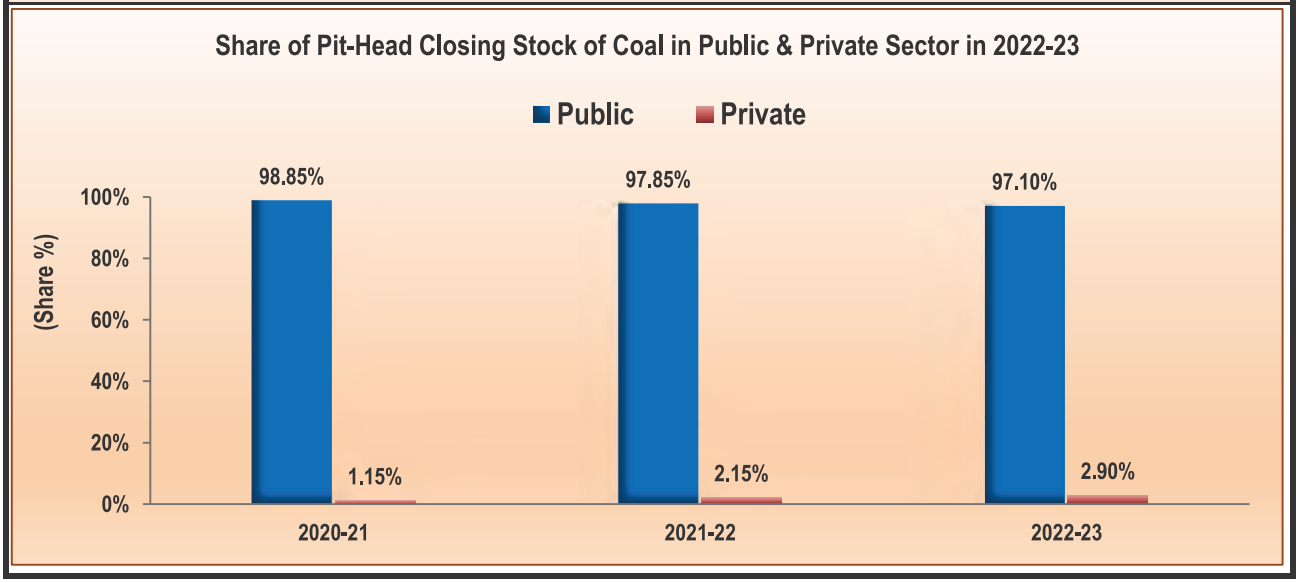


Table 5.8 : State Wise & Company Wise Pit-Head Closing Stock of Raw Coal by type in last Three Years

(Qty. in MT)

State	Company	2020-21			2021-22			2022-23		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Assam	NEC			**0.000**		0.028	**0.028**		0.046	**0.046**
	Total	**0**	**0.000**	**0.000**	**0.000**	**0.028**	**0.028**	**0.000**	**0.046**	**0.046**
Chhattisgarh	SECL	0.019	29.064	**29.083**	0.001	15.969	**15.970**	0.004	23.169	**23.173**
	SECL(GP-IV/2&3)		0.118	**0.118**		0.318	**0.318**		0.043	**0.043**
	RRVUNL			**0.000**			**0.000**			**0.000**
	NTPC_TP		0.101	**0.101**		0.027	**0.027**		0.378	**0.378**
	CSPGCL		0.334	**0.334**		0.074	**0.074**		0.608	**0.608**
	HIL(GP-IV/4&5)		0.027	**0.027**		0.024	**0.024**		0.003	**0.003**
	BALCO		0.001	**0.001**			**0.000**		0.183	**0.183**
	AMBUJA		0.059	**0.059**		0.010	**0.010**		0.103	**0.103**
	SEML			**0.000**		0.390	**0.390**		0.099	**0.099**
	JPL(GP-IV/1)			**0.000**		0.077	**0.077**		0.466	**0.466**
	Total	**0.019**	**29.704**	**29.723**	**0.001**	**16.889**	**16.890**	**0.004**	**25.052**	**25.056**
Jammu & Kashmir	JKML		0.009	**0.009**		0.001	**0.001**			**0.000**
	Total	**0**	**0.009**	**0.009**	**0.000**	**0.001**	**0.001**	**0.000**	**0.000**	**0.000**
Jharkhand	ECL	0.005	4.245	**4.250**	0.004	1.040	**1.044**		0.807	**0.807**
	BCCL	3.468	0.268	**3.736**	1.953	0.008	**1.961**	2.484	0.093	**2.577**
	CCL	3.658	6.833	**10.491**	2.494	5.027	**7.521**	3.310	5.274	**8.584**
	JSMDCL		0.015	**0.015**		0.010	**0.010**		0.004	**0.004**
	DVC	0.060		**0.060**			**0.000**	0.000	0.033	**0.033**
	IISCO			**0.000**			**0.000**			**0.000**
	SAIL			**0.000**			**0.000**			**0.000**
	NTPC_PB		0.626	**0.626**		0.068	**0.068**		0.777	**0.777**
	NTPC_CB			**0.000**			**0.000**		0.438	**0.438**
	WBPDCL		0.022	**0.022**		0.139	**0.139**		3.301	**3.301**
	PSPCL			**0.000**			**0.000**		0.056	**0.056**
	TSL	0.016		**0.016**	0.009		**0.009**	0.007		**0.007**
	HIL_KAT		0.104	**0.104**		0.046	**0.046**		0.006	**0.006**
	Total	**7.207**	**12.113**	**19.320**	**4.460**	**6.339**	**10.799**	**5.801**	**10.789**	**16.590**
Madhya Pradesh	NCL		5.233	**5.233**		5.487	**5.487**		3.695	**3.695**
	WCL	0.001	0.377	**0.378**	0.002	0.251	**0.253**	0.003	0.047	**0.050**
	SECL		0.502	**0.502**		0.411	**0.411**		0.460	**0.460**
	APMDCL			**0.000**		0.023	**0.023**		0.549	**0.549**
	THDC			**0.000**			**0.000**		0.311	**0.311**
	SPL		0.683	**0.683**		0.530	**0.530**		0.448	**0.448**
	JPVL			**0.000**		0.000	**0.000**		0.221	**0.221**
	RCCPL			**0.000**		0.001	**0.001**		0.001	**0.001**
	UTCL			**0.000**		0.003	**0.003**		0.007	**0.007**
	BSMPL			**0.000**			**0.000**		0.004	**0.004**
	BLA			**0.000**			**0.000**			**0.000**
	Total	**0.001**	**6.795**	**6.796**	**0.002**	**6.706**	**6.708**	**0.003**	**5.743**	**5.746**

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Table 5.8 : State Wise & Company Wise Pit-Head Closing Stock of Raw Coal by type in last Three Years

(Qty. in MT)

State	Company	2020-21			2021-22			2022-23		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Maharashtra	WCL		14.501	**14.501**		8.166	**8.166**		10.504	**10.504**
	KPCL			**0.000**		0.049	**0.049**		0.010	**0.010**
	TUML		0.001	**0.001**		0.044	**0.044**		0.022	**0.022**
	BSIL			**0.000**		0.020	**0.020**		0.057	**0.057**
	SIL		0.031	**0.031**		0.033	**0.033**		0.015	**0.015**
	Total	**0.000**	**14.533**	**14.533**	**0.000**	**8.312**	**8.312**	**0.000**	**10.608**	**10.608**
Odisha	MCL		23.568	**23.568**		16.456	**16.456**		16.846	**16.846**
	NTPC_DG		0.356	**0.356**		0.313	**0.313**		0.199	**0.199**
	NLCIL		0.313	**0.313**		0.301	**0.301**		0.429	**0.429**
	OCPL		0.685	**0.685**		0.375	**0.375**		0.156	**0.156**
	OCL			**0.000**			**0.000**			**0.000**
	Vedanta			**0.000**			**0.000**		0.656	**0.656**
	GMR			**0.000**			**0.000**			**0.000**
	Total	**0.000**	**24.922**	**24.922**	**0.000**	**17.445**	**17.445**	**0.000**	**18.286**	**18.286**
Telangana	SCCL		5.239	**5.239**		4.718	**4.718**		5.147	**5.147**
	TSPGCL		0.008	**0.008**		0.008	**0.008**		0.008	**0.008**
	Total	**0.000**	**5.247**	**5.247**	**0.000**	**4.726**	**4.726**	**0.000**	**5.155**	**5.155**
Uttar Pradesh	NCL		5.163	**5.163**		1.678	**1.678**		1.126	**1.126**
	Total	**0**	**5.163**	**5.163**	**0.000**	**1.678**	**1.678**	**0.000**	**1.126**	**1.126**
West Bengal	ECL	0.001	2.051	**2.052**	0.002	1.589	**1.591**	0.002	1.338	**1.340**
	BCCL		0.064	**0.064**		0.049	**0.049**		0.049	**0.049**
	IISCO		0.003	**0.003**		0.002	**0.002**		0.002	**0.002**
	WBPDCL		0.851	**0.851**		0.359	**0.359**		0.215	**0.215**
	DPL		0.043	**0.043**		0.019	**0.019**		0.050	**0.050**
	CESC		0.334	**0.334**		0.295	**0.295**		0.147	**0.147**
	Total	**0.001**	**3.346**	**3.347**	**0.002**	**2.313**	**2.315**	**0.002**	**1.801**	**1.803**
Total Public		**7.212**	**100.592**	**107.804**	**4.456**	**62.963**	**67.419**	**5.803**	**76.168**	**81.971**
Total Private		**0.016**	**1.240**	**1.256**	**0.009**	**1.473**	**1.482**	**0.007**	**2.438**	**2.445**
All India		**7.228**	**101.832**	**109.06**	**4.465**	**64.436**	**68.901**	**5.810**	**78.606**	**84.416**

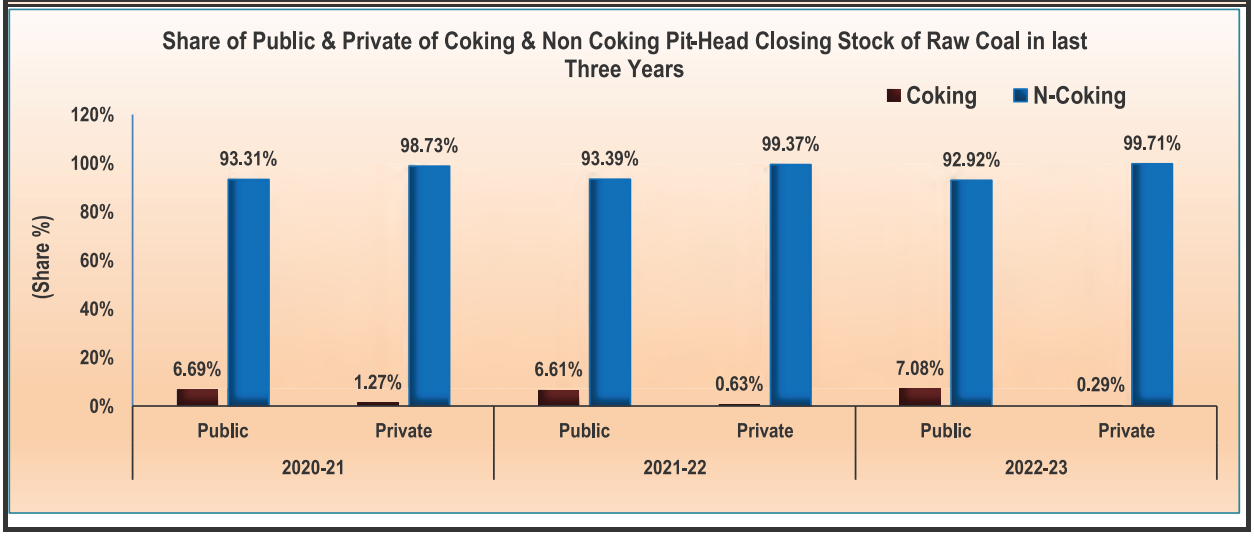


Table 5.9 : Pit-head Closing Stock of Raw Coal of Coal Blocks Vested/Allocated as per CMN & CM(SP) Act during last Three Years

(Qty. in MT)

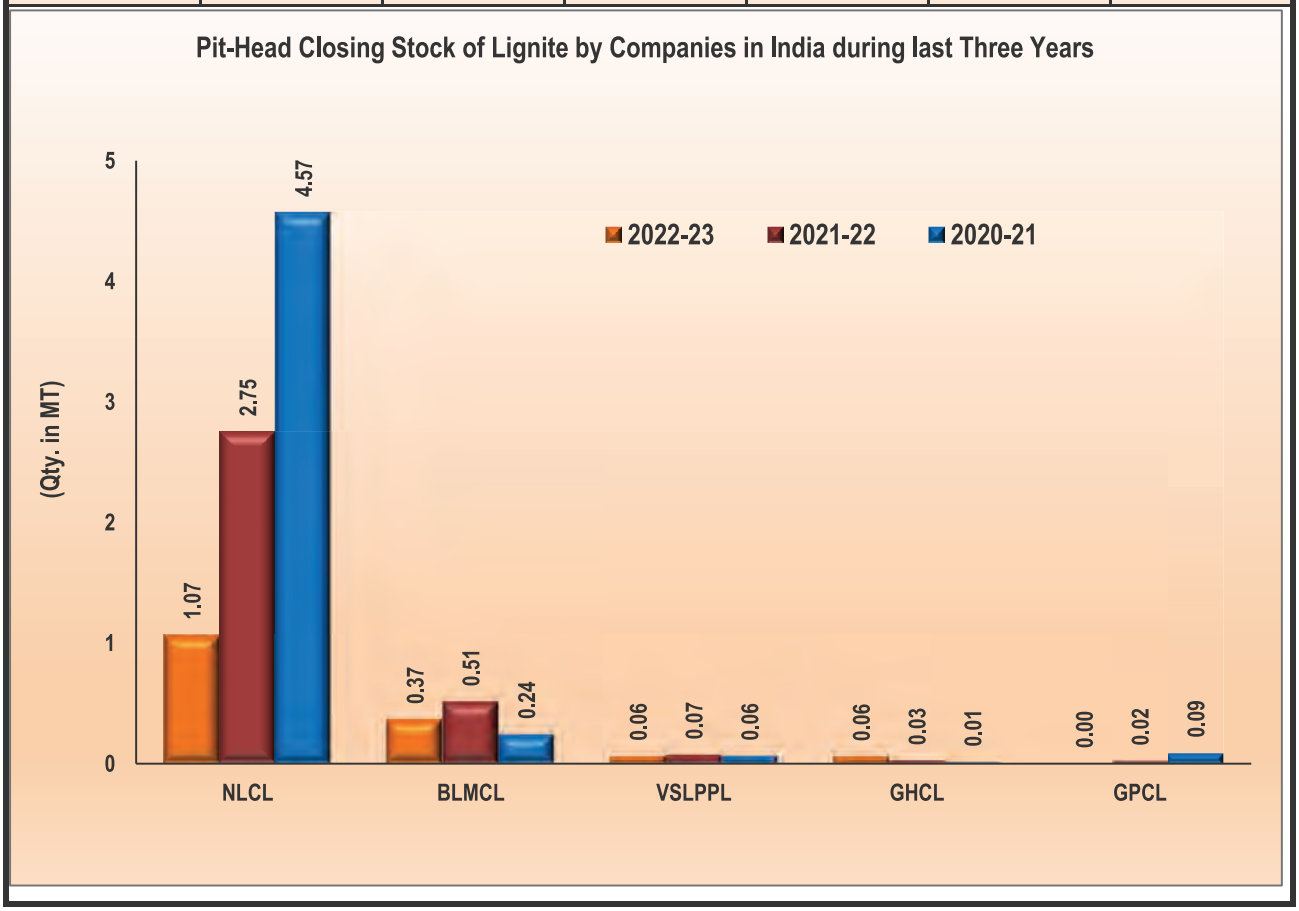
Block	Act	End Use	Company	State	2020-21			2021-22			2022-23		
					Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Gare Palma IV/1	CM(SP)	Power	SECL	Chhattisgarh			**0.000**			**0.000**			**0.000**
Parsa East & Kanta Basan			RRVUNL				**0.000**			**0.000**			**0.000**
Tallipalli			NTPC			0.101	**0.101**		0.027	**0.027**		0.378	**0.378**
Gare Palma Sector-III			CSPGCL			0.334	**0.334**		0.074	**0.074**		0.608	**0.608**
Pakri Barwadih	CMN		NTPC	Jharkhand		0.626	**0.626**		0.068	**0.068**		0.777	**0.777**
Tubed	CM(SP)		DVC				**0.000**			**0.000**		0.033	**0.033**
Chatti Bariatu			NTPC				**0.000**			**0.000**		0.438	**0.438**
Pachhwara Central			PSPCL				**0.000**			**0.000**		0.056	**0.056**
Pachhwara North			WBPDCL			0.022	**0.022**		0.139	**0.139**		3.301	**3.301**
Amelia			THDC	Madhya Pradesh			**0.000**			**0.000**		0.311	**0.311**
Baranj I-IV, Kiloni & Manohardih			KPCL	Maharashtra			**0.000**		0.049	**0.049**		0.010	**0.010**
Dulanga			NTPC	Odisha		0.356	**0.356**		0.313	**0.313**		0.199	**0.199**
Manoharpur			OCPL			0.685	**0.685**		0.375	**0.375**		0.156	**0.156**
Talabira II &III			NLCIL			0.313	**0.313**		0.301	**0.301**		0.429	**0.429**
Tadicherla			TSPGCL	Telangana		0.008	**0.008**		0.008	**0.008**		0.008	**0.008**
Barjora			WBPDCL	West Bengal		0.103	**0.103**		0.170	**0.170**			**0.000**
Barjora North			WBPDCL			0.218	**0.218**		0.045	**0.045**		0.215	**0.215**
Gangaramchak Bhadulia			WBPDCL			0.530	**0.530**		0.144	**0.144**			**0.000**
Trans Damodar			DPL			0.043	**0.043**		0.019	**0.019**		0.050	**0.050**
Total Power					**0.000**	**3.339**	**3.339**	**0.000**	**1.733**	**1.733**	**0.000**	**6.969**	**6.969**
Gare Palma IV/2 & 3	CM(SP)	Comercial	SECL	Chhattisgarh		0.118	**0.118**		0.318	**0.318**		0.043	**0.043**
Suliyari			APMDCL	Madhya Pradesh			**0.000**		0.023	**0.023**		0.549	**0.549**
Total Comercial					**0.000**	**0.118**	**0.118**	**0.000**	**0.341**	**0.341**	**0.000**	**0.592**	**0.592**
Tasra	CMN	NRS	SAIL	Jharkhand			**0.000**			**0.000**			**0.000**
Total NRS					**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
Total Public					**0.000**	**3.457**	**3.457**	**0.000**	**2.074**	**2.074**	**0.000**	**7.561**	**7.561**
Moher & Moher Amlori Extn	CMN	Power	SPL	Madhya Pradesh		0.683	**0.683**		0.530	**0.530**		0.448	**0.448**
Amelia North	CM(SP)		JPVL				**0.000**		0.000	**0.000**		0.221	**0.221**
Talabira I			GMR	Odisha			**0.000**			**0.000**			**0.000**
Sarshatali			CESC	West Bengal		0.334	**0.334**		0.295	**0.295**		0.147	**0.147**
Total Power					**0.000**	**1.017**	**1.017**	**0.000**	**0.825**	**0.825**	**0.000**	**0.816**	**0.816**
Gare Palma IV/1	CM(SP)	Comercial	JPL	Chhattisgarh			**0.000**		0.077	**0.077**		0.466	**0.466**
Gare Palma IV/7			SEML				**0.000**		0.390	**0.390**		0.099	**0.099**
Goitoria East & West			BSMPL	Madhya Pradesh			**0.000**			**0.000**		0.004	**0.004**
Total Comercial					**0.000**	**0.000**	**0.000**	**0.000**	**0.467**	**0.467**	**0.000**	**0.569**	**0.569**
Gare Palma IV/4	CM(SP)	NRS	HIL	Chhattisgarh		0.027	**0.027**		0.024	**0.024**		0.003	**0.003**
Gare Palma IV/5			HIL				**0.000**			**0.000**			**0.000**
Chotia II			BALCO			0.001	**0.001**			**0.000**		0.183	**0.183**
Gare Palma IV/8			AMBUJA			0.059	**0.059**		0.010	**0.010**		0.103	**0.103**
Kathautia			HIL	Jharkhand		0.104	**0.104**		0.046	**0.046**		0.006	**0.006**
Sial Ghogri			RCCPL	Madhya Pradesh			**0.000**		0.001	**0.001**		0.001	**0.001**
Bicharpur			UTCL				**0.000**		0.003	**0.003**		0.007	**0.007**
Belgaon			SIL	Maharastra		0.031	**0.031**		0.033	**0.033**		0.015	**0.015**
Marki Mangli I			TUML			0.001	**0.001**		0.044	**0.044**		0.022	**0.022**
Marki Mangli III			BSIL				**0.000**		0.020	**0.020**		0.057	**0.057**
Ardhagram			OCL	Odisha			**0.000**			**0.000**			**0.000**
Jamkhani			Vedanta				**0.000**			**0.000**		0.656	**0.656**
Total NRS					**0.000**	**0.223**	**0.223**	**0.000**	**0.181**	**0.181**	**0.000**	**1.053**	**1.053**
Total Private					**0.000**	**1.240**	**1.240**	**0.000**	**1.473**	**1.473**	**0.000**	**2.438**	**2.438**
Grand Total					**0.000**	**4.697**	**4.697**	**0.000**	**3.547**	**3.547**	**0.000**	**9.999**	**9.999**

Note: Power and NRS Coal Blocks are collectively called as Captive Coal Blocks.

Table 5.10 : Pit-Head Closing Stock of Lignite by Companies in India last Three Years

(Qty. in MT)

Company	2020-21		2021-22		2022-23	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
NLCL	4.571	91.77	2.752	81.20	1.066	68.51
GMDCL		0.00		0.00		0.00
GIPCL		0.00		0.00		0.00
GHCL	0.014	0.28	0.026	0.77	0.059	3.79
RSMML		0.00		0.00		0.00
VSLPPL	0.064	1.28	0.074	2.18	0.063	4.05
BLMCL	0.243	4.88	0.514	15.17	0.367	23.59
GPCL	0.089	1.79	0.023	0.68	0.001	0.06
All India	**4.981**	**100.00**	**3.389**	**100.00**	**1.556**	**100.00**



06. 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 2022-23 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 2022-23.

Statement 6.1: State Wise Production (MT) and Value (Million Rs.) of Coal during 2022-23

State	Production	Value
Assam	0.200	887.3
Chhattisgarh	184.895	183206.1
Jammu & Kashmir	0.010	18.4
Jharkhand	156.483	379863.4
Maharashtra	63.620	143832.7
Madhya Pradesh	146.029	218847.1
Odisha	218.981	176661.6
Telangana	69.637	255530.0
Uttar Pradesh	20.540	28224.3
West Bengal	32.796	79892.1
All India	**893.191**	**1466963.0**

Statement 6.2: State Wise Production (MT) and Value (Million Rs.) of Lignite during 2022-23

State	Production	Value
Gujarat	12.313	18021.9
Tamil Nadu	21.519	44737.1
Rajasthan	10.197	18025.6
All India	**44.029**	**80784.6**

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 statewise 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 2022-23 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	2018-19		2019-20		2020-21		2021-22		2022-23	
	Production	Value	Production	Value	Production	Value	Production	Value	Production	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
COAL :										
Assam	0.784	4312.4	0.517	1736.2	0.036	117.1	0.028	119.9	0.200	887.3
Chhattisgarh	161.893	134351.9	157.745	139234.0	158.410	187286.1	154.120	143837.8	184.895	183206.1
Jammu & Kashmir	0.013	25.8	0.014	25.8	0.010	18.4	0.011	20.2	0.010	18.4
Jharkhand	134.666	271051.4	131.763	272123.7	119.295	250829.6	130.105	308256.3	156.483	379863.4
Maharashtra	49.818	80555.6	54.746	93946.4	47.435	88149.5	56.528	124059.9	63.620	143832.7
Madhya Pradesh	118.661	184713.4	125.726	195145.4	132.531	200715.7	137.975	209782.9	146.029	218847.1
Odisha	144.312	119110.9	143.016	146624.3	154.151	122400.0	185.069	151614.0	218.981	176661.6
Telangana	65.160	174938.4	65.703	151074.6	52.603	124663.3	67.233	194274.9	69.637	255530.0
Uttar Pradesh	20.275	26852.2	18.030	25063.5	17.016	23955.4	18.073	25173.6	20.540	28224.3
West Bengal	33.136	105237.4	33.614	85069.8	34.596	78563.6	29.069	69840.2	32.796	79892.1
All India	**728.718**	**1101149.5**	**730.874**	**1110043.7**	**716.083**	**1076698.8**	**778.210**	**1226979.6**	**893.191**	**1466963.0**
LIGNITE :										
Gujarat	12.565	11092.0	10.357	9142.9	10.813	19216.8	13.331	20302.2	12.313	18021.9
Tamilnadu	23.041	42903.8	23.516	43788.3	18.026	36700.3	23.635	40040.5	21.519	44737.1
Rajasthan	8.676	14499.2	8.223	13742.2	9.056	15350.5	10.526	17308.9	10.197	18025.6
All India	**44.282**	**68495.0**	**42.096**	**66673.3**	**37.895**	**71267.6**	**47.492**	**77651.7**	**44.029**	**80784.6**

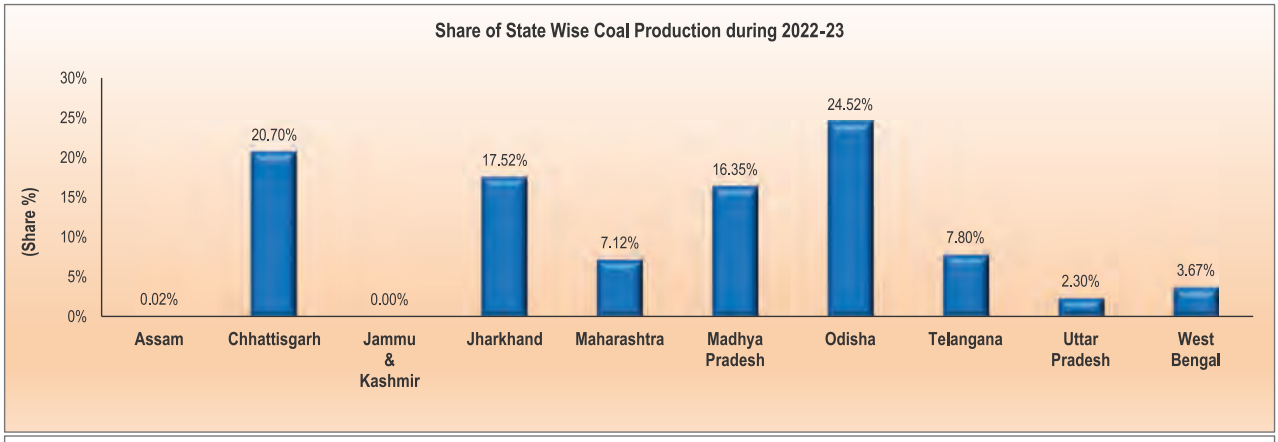
Note: In respect of Coal Companies which either did not provide value or the value provided is not justified, the value has been estimated on the basis of Basic Price (ROM) notified by Coal India Limited.

Table 6.2 : State Wise Production of Coal and its Value - by Sector & Captive / Non-Captive Units during 2022-23

(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)
Public	Non Captive	Production	0.200	155.064	0.010	120.945	**61.438**	123.365	**193.262**	67.137	20.540	26.730	**768.691**
		Value	887.31	161452.40	18.40	323649.02	**140223.60**	191354.33	**158879.63**	244983.80	28224.30	73938.91	**1323611.69**
	Power & NRS	Production	**0.000**	**17.820**	**0.000**	**29.644**	**1.608**	**0.311**	**25.026**	**2.500**	**0.000**	**4.265**	**81.174**
		Value	**0.00**	**16461.21**	**0.00**	**41210.23**	**2801.84**	**357.44**	**17208.84**	**10546.23**	**0.00**	**4196.83**	**92782.63**
	CMRS	Production	0.000	2.051	0.000	0.000	**0.000**	1.946	**0.000**	0.000	0.000	0.000	**3.997**
		Value	0.00	1254.50	0.00	0.00	**0.00**	3435.05	**0.00**	0.00	0.00	0.00	**4689.55**
	Total	**Production**	**0.200**	**174.935**	**0.010**	**150.589**	**63.046**	**125.622**	**218.288**	**69.637**	**20.540**	**30.995**	**853.862**
		Value	**887.31**	**179168.11**	**18.40**	**364859.25**	**143025.44**	**195146.83**	**176088.47**	**255530.03**	**28224.30**	**78135.74**	**1421083.87**
Private	Non Captive	Production	0.000	0.000	0.000	5.769	**0.000**	0.000	**0.000**	0.000	0.000	0.000	**5.769**
		Value	0.00	0.00	0.00	14713.22	**0.00**	0.00	**0.00**	0.00	0.00	0.00	**14713.22**
	Power & NRS	Production	**0.000**	**2.760**	**0.000**	**0.125**	**0.574**	**20.383**	**0.693**	**0.000**	**0.000**	**1.801**	**26.336**
		Value	**0.00**	**3146.50**	**0.00**	**290.88**	**807.26**	**23677.15**	**573.11**	**0.00**	**0.00**	**1756.39**	**30251.28**
	CMRS	Production	0.000	7.200	0.000	0.000	**0.000**	0.024	**0.000**	0.000	0.000	0.000	**7.224**
		Value	0.00	891.49	0.00	0.00	**0.00**	23.16	**0.00**	0.00	0.00	0.00	**914.65**
	Total	**Production**	**0.000**	**9.960**	**0.000**	**5.894**	**0.574**	**20.407**	**0.693**	**0.000**	**0.000**	**1.801**	**39.329**
		Value	**0.00**	**4037.98**	**0.00**	**15004.10**	**807.26**	**23700.31**	**573.11**	**0.00**	**0.00**	**1756.39**	**45879.15**
All India		**Production**	**0.200**	**184.895**	**0.010**	**156.483**	**63.620**	**146.029**	**218.981**	**69.637**	**20.540**	**32.796**	**893.191**
		Value	**887.31**	**183206.09**	**18.40**	**379863.35**	**143832.70**	**218847.13**	**176661.58**	**255530.03**	**28224.30**	**79892.13**	**1466963.01**

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.



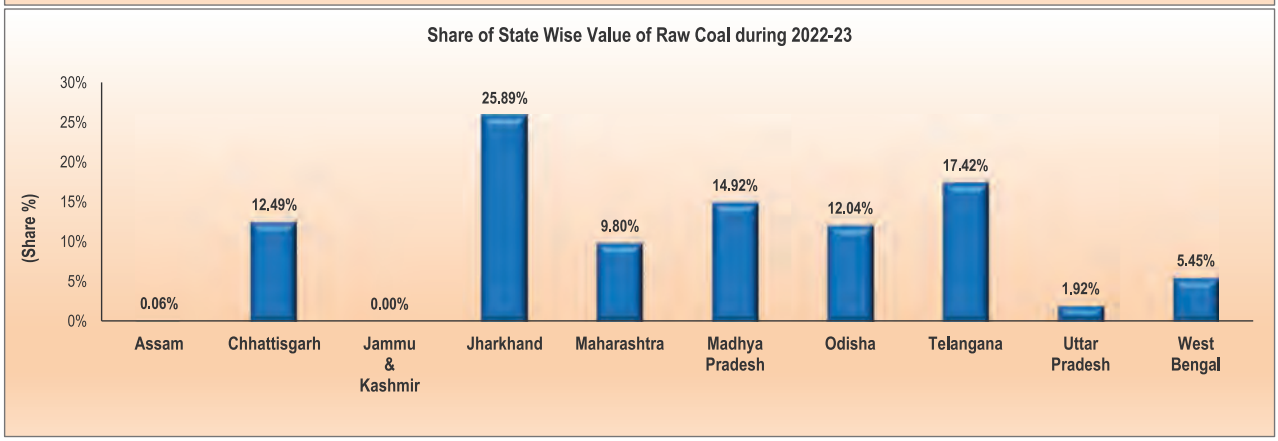


Table 6.3 : Pit Head (Run of Mine) Price (Rupees Per Tonne) of Coking Coal

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)	01-04-2015 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 (Unspecified)	01-04-2021 to 31-03-2022			2390	1990	1470	1370		
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
ECL (Raniganj)	01-04-2021 to 31-03-2022							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		
BCCL	01-04-2021 to 31-03-2022			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	01-04-2016 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		
CCL	01-04-2021 to 31-03-2022			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	01-04-2020 to 31-03-2021			1710	1410	1290			
WCL	01-04-2021 to 31-03-2022			1710	1410	1290			
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
SECL	01-04-2021 to 31-03-2022							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)	01-04-2015 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 (Unspecified)	01-04-2021 to 31-03-2022			3110	2590	1910	1780			
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	
ECL (Raniganj)	01-04-2021 to 31-03-2022							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	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			5810
BCCL	01-04-2018 to 31-03-2019	5860	5635	5028	3840	3060	2892			5810
BCCL	01-04-2019 to 31-03-2020	5860	5635	5028	3840	3060	2892			5810
BCCL	01-04-2020 to 31-03-2021	5860	5635	5028	3840	3060	2892			5810
BCCL	01-04-2021 to 31-03-2022	5860	5635	5028	3840	3060	2892			5810
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			
CCL	01-04-2021 to 31-03-2022	4880	4080	3450	3210	2750	2300			
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	01-04-2020 to 31-03-2021				2220	1830	1680			
WCL	01-04-2021 to 31-03-2022				2220	1830	1680			
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	
SECL	01-04-2021 to 31-03-2022							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), Fertiliser and Defence Sector [Price- Rs./ Tonne]										
		28-05-13 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	01-04-21 to 31-03-22
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
G 1	Exceeding 7000	*	*	*	*	*	*	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870	3450	3450	3288	3288	3288	3298	3298
G 3	Exceeding 6400 and not exceeding 6700	3890	3890	3890	3890	3210	3210	3144	3144	3144	3154	3154
G 4	Exceeding 6100 and not exceeding 6400	3490	3490	3490	3490	3000	3000	3000	3000	3000	3010	3010
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2750	2750	2737	2737	2737	2747	2747
G 6	Exceeding 5500 and not exceeding 5800	1600	1600	1600	1600	1900	1900	2317	2317	2317	2327	2327
G 7	Exceeding 5200 and not exceeding 5500	1400	1400	1400	1400	1600	1600	1926	1926	1926	1936	1936
G 8	Exceeding 4900 and not exceeding 5200	1250	1250	1250	1250	1420	1420	1465	1465	1465	1475	1475
G 9	Exceeding 4600 and not exceeding 4900	970	970	970	970	1100	1100	1140	1140	1140	1150	1150
G 10	Exceeding 4300 and not exceeding 4600	860	860	860	860	980	980	1024	1024	1024	1034	1034
G 11	Exceeding 4000 and not exceeding 4300	700	700	700	700	810	810	955	955	955	965	965
G 12	Exceeding 3700 and not exceeding 4000	660	660	660	660	760	760	886	886	886	896	896
G 13	Exceeding 3400 and not exceeding 3700	610	610	610	610	720	720	817	817	817	827	827
G 14	Exceeding 3100 and not exceeding 3400	550	550	550	550	650	650	748	748	748	758	758
G 15	Exceeding 2800 and not exceeding 3100	510	510	510	510	600	600	590	590	590	600	600
G 16	Exceeding 2500 and not exceeding 2800	450	450	450	450	530	530	504	504	504	514	514
G 17	Exceeding 2200 and not exceeding 2500	400	400	400	400	470	470	447	447	447	457	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 avalable 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), Fertiliser and Defence [Price- Rs./ Tonne]													
		01-01-12 to 20-06-12	21-06-12 to 31-03-13	01-04-13 to 27-05-13	28-05-13 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	01-04-21 to 31-03-22
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
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	3298
G 3	Exceeding 6400 and not exceeding 6700	4420	4420	4420	3890	3890	3890	3890	3210	3210	3144	3144	3144	3154	3154
G 4	Exceeding 6100 and not exceeding 6400	3970	3970	3970	3490	3490	3490	3490	3000	3000	3000	3000	3000	3010	3010
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800	2800	2800	2750	2750	2737	2737	2737	2747	2747
G 6	Exceeding 5500 and not exceeding 5800	1960	2350	2350	2150	2150	2150	2150	2280	2280	2524	2524	2524	2534	2534
G 7	Exceeding 5200 and not exceeding 5500	1720	2050	2050	1890	1890	1890	1890	1920	1920	2311	2311	2311	2321	2321
G 8	Exceeding 4900 and not exceeding 5200	1540	1850	1850	1690	1690	1690	1690	1700	1700	1757	1757	1757	1767	1767
G 9	Exceeding 4600 and not exceeding 4900	1180	1430	1430	1310	1310	1310	1310	1320	1320	1368	1368	1368	1378	1378
G 10	Exceeding 4300 and not exceeding 4600	1050	1270	1270	1160	1160	1160	1160	1180	1180	1228	1228	1228	1238	1238
G 11	Exceeding 4000 and not exceeding 4300	870	1040	1040	950	950	950	950	970	970	1145	1145	1145	1155	1155
G 12	Exceeding 3700 and not exceeding 4000	810	970	970	890	890	890	890	910	910	1063	1063	1063	1073	1073
G 13	Exceeding 3400 and not exceeding 3700	740	890	890	820	820	820	820	860	860	980	980	980	990	990
G 14	Exceeding 3100 and not exceeding 3400	680	810	810	740	740	740	740	780	780	897	897	897	907	907
G 15	Exceeding 2800 and not exceeding 3100	620	740	740	680	680	680	680	720	720	708	708	708	718	718
G 16	Exceeding 2500 and not exceeding 2800	550	660	660	610	610	610	610	640	640	604	604	604	614	614
G 17	Exceeding 2200 and not exceeding 2500	490	580	580	540	540	540	540	570	570	536	536	536	546	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 avalable 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), Fertilser 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	01-04-23 to 31-03-22
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
G 1	Exceeding 7000	*	*	*	*	*	*	*	*	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870	4870	4870	3450	3450	3288	3288	3288	3298	3298
G 3	Exceeding 6400 and not exceeding 6700	4420	3890	3890	3890	3890	3890	3210	3210	3144	3144	3144	3154	3154
G 4	Exceeding 6100 and not exceeding 6400	3970	3490	3490	3490	3490	3490	3000	3000	3000	3000	3000	3010	3010
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800	2800	2750	2750	2737	2737	2737	2747	2747
G 6	Exceeding 5500 and not exceeding 5800	1740	1760	1920	1920	1920	1920	2280	2280	2524	2524	2524	2534	2534
G 7	Exceeding 5200 and not exceeding 5500	1520	1540	1680	1680	1680	1680	1920	1920	2311	2311	2311	2321	2321
G 8	Exceeding 4900 and not exceeding 5200	1370	1380	1510	1510	1510	1510	1700	1700	1757	1757	1757	1767	1767
G 9	Exceeding 4600 and not exceeding 4900	1060	1070	1170	1170	1170	1170	1320	1320	1368	1368	1368	1378	1378
G 10	Exceeding 4300 and not exceeding 4600	940	940	1030	1030	1030	1030	1180	1180	1228	1228	1228	1238	1238
G 11	Exceeding 4000 and not exceeding 4300	770	770	840	840	840	840	970	970	1145	1145	1145	1155	1155
G 12	Exceeding 3700 and not exceeding 4000	720	730	800	800	800	800	910	910	1063	1063	1063	1073	1073
G 13	Exceeding 3400 and not exceeding 3700	660	670	730	730	730	730	860	860	980	980	980	990	990
G 14	Exceeding 3100 and not exceeding 3400	600	610	670	670	670	670	780	780	897	897	897	907	907
G 15	Exceeding 2800 and not exceeding 3100	550	560	610	610	610	610	720	720	708	708	708	718	718
G 16	Exceeding 2500 and not exceeding 2800	490	500	550	550	550	550	640	640	604	604	604	614	614
G 17	Exceeding 2200 and not exceeding 2500	430	440	480	480	480	480	560	560	536	536	536	546	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 avalable 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	01-04-21 to 31-03-23
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
G 1	Exceeding 7000	*	*	*	*	*	*	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870	3450	3450	3288	3288	3288	3298	3298
G 3	Exceeding 6400 and not exceeding 6700	3890	3890	3890	3890	3210	3210	3144	3144	3144	3154	3154
G 4	Exceeding 6100 and not exceeding 6400	3490	3490	3490	3490	3000	3000	3000	3000	3000	3010	3010
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2750	2750	2737	2737	2737	2747	2747
G 6	Exceeding 5500 and not exceeding 5800	2590	2590	2590	2590	2280	2280	2580	2580	2580	2590	2590
G 7	Exceeding 5200 and not exceeding 5500	2270	2270	2270	2270	1920	1920	2423	2423	2423	2433	2433
G 8	Exceeding 4900 and not exceeding 5200	2030	2030	2030	2030	1700	1700	2109	2109	2109	2119	2119
G 9	Exceeding 4600 and not exceeding 4900	1570	1570	1570	1570	1320	1320	1642	1642	1642	1652	1652
G 10	Exceeding 4300 and not exceeding 4600	1390	1390	1390	1390	1180	1180	1474	1474	1474	1484	1484
G 11	Exceeding 4000 and not exceeding 4300	1150	1150	1150	1150	970	970	1374	1374	1374	1384	1384
G 12	Exceeding 3700 and not exceeding 4000	1070	1070	1070	1070	910	910	1275	1275	1275	1285	1285
G 13	Exceeding 3400 and not exceeding 3700	980	980	980	980	860	860	1176	1176	1176	1186	1186
G 14	Exceeding 3100 and not exceeding 3400	890	890	890	890	780	780	1076	1076	1076	1086	1086
G 15	Exceeding 2800 and not exceeding 3100	820	820	820	820	720	720	850	850	850	860	860
G 16	Exceeding 2500 and not exceeding 2800	730	730	730	730	640	640	725	725	725	735	735
G 17	Exceeding 2200 and not exceeding 2500	640	640	640	640	570	570	643	643	643	653	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 avalable 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	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	01-04-21 to 07-02-23	08-02-23 to 31-03-23
(1)	(2)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
G 1	Above 7000	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4910	4910	4910	6110	6210
G 2	6701-7000	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4700	4700	4700	5900	6000
G 3	6401-6700	4390	4390	4390	4390	4390	4390	4390	4390	4390	4390	4390	4390	4610	4610	4610	5810	5910
G 4	6101-6400	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4560	4560	4560	5760	5860
G 5	5801-6100	4320	4320	4320	4320	4320	3320	3320	3320	3520	3520	3700	3700	3885	3885	3885	5285	5385
G 6	5501-5800	2720	3328	3328	3328	3328	3000	3000	3000	3200	3200	3600	3600	3780	3780	3780	4830	4930
G 7	5201-5500	2120	2600	2600	2600	2600	2600	2600	2600	2800	2800	3100	3100	3430	3430	3430	4430	4530
G 8	4901-5200	1960	2580	2580	2580	2580	2580	2580	2580	2600	2600	2900	2900	3130	3130	3130	3430	3530
G 9	4601-4900	1730	1730	1730	1730	1730	1730	1730	1730	2030	2030	2330	2330	2450	2450	2450	2750	2850
G 10	4301-4600	1610	1610	1610	1610	1610	1610	1610	1610	1900	1900	2200	2200	2310	2310	2310	2610	2710
G 11	4001-4300	1300	1300	1300	1300	1300	1300	1300	1300	1430	1430	1730	1730	1820	1820	1820	2120	2220
G 12	3701-4000	1050	1050	1050	1050	1050	1050	1050	1050	1250	1250	1520	1520	1600	1600	1600	1850	1950
G 13	3401-3700	800	800	800	800	800	800	960	960	960	960	1160	1160	1230	1230	1230	1480	1580
G 14	3101-3400	710	710	710	710	710	710	710	710	710	710	1000	1000	1100	1100	1100	1300	1400
G 15	2801-3100	590	590	590	590	590	590	590	590	590	590	880	880	970	970	970	1270	1370
G 16	2501-2800	550	550	550	550	550	550	550	550	550	550	840	840	920	920	920	1220	1320
G 17	2201-2500	490	490	490	490	490	490	490	490	490	490	590	590	830	650	650	1130	1230

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.

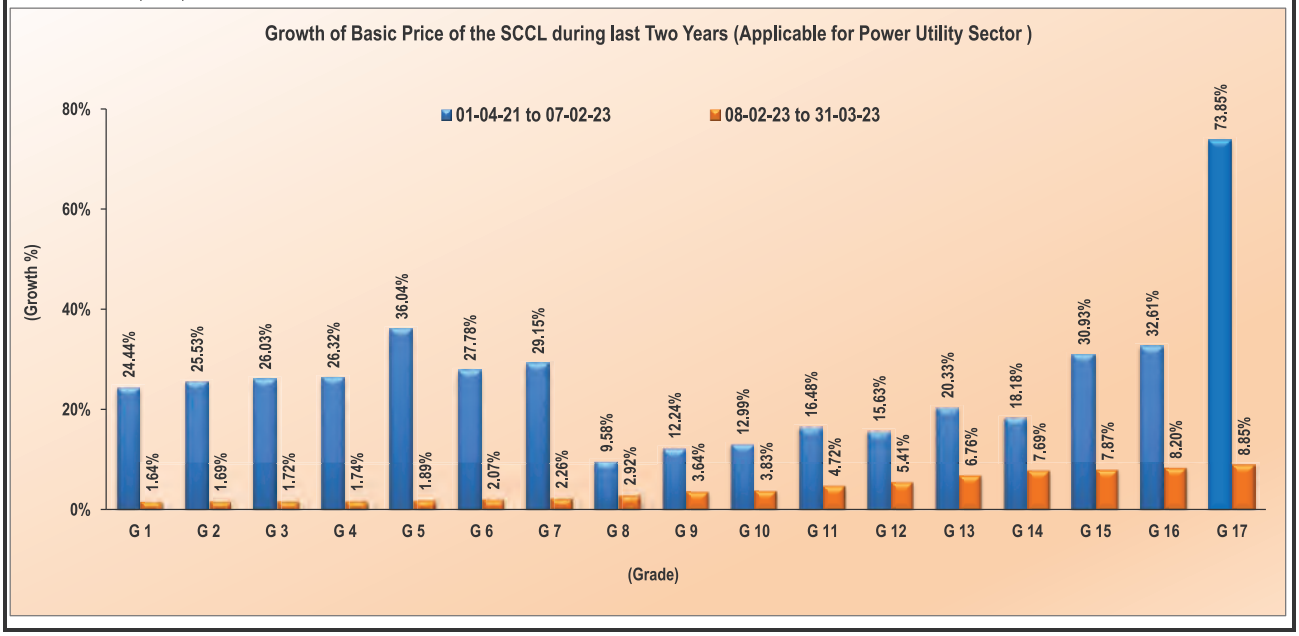
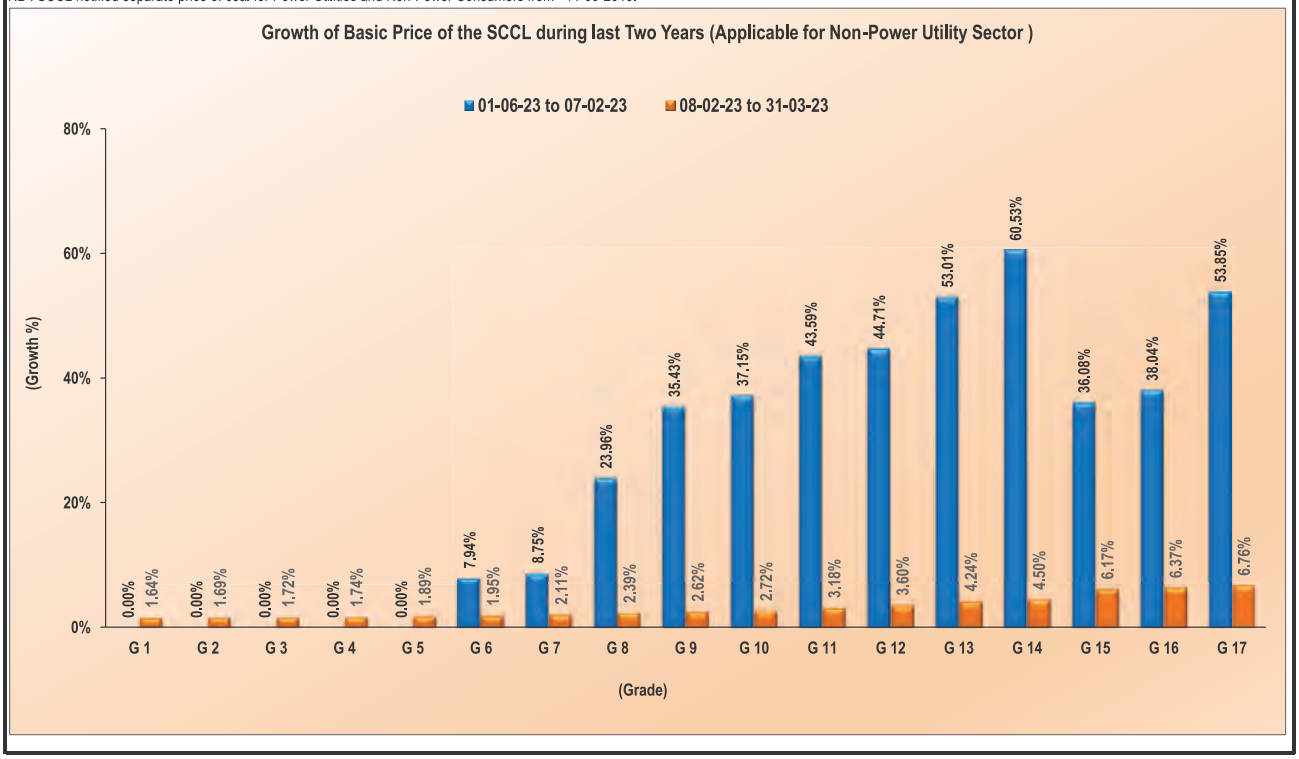


Table 6.11 : Basic (Run of Mine) Price (Rupees per Tonne) of the Singareni Collieries Company Limited
(Applicable for Non-Power Utility Sector)

Grade of Coal	GCV Range	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	01-04-21 to 31-05-23	01-06-23 to 07-02-23	08-02-23 to 31-03-23
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(19)
G 1	Above 7000	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4910	4910	4910	4910	6110	6110	6210
G 2	6701-7000	4480	4480	4480	4480	4300	4300	4300	4300	4300	4480	4480	4700	4700	4700	4700	5900	5900	6000
G 3	6401-6700	4390	4390	4390	4390	3900	3900	3900	3900	3900	4390	4390	4610	4610	4610	4610	5810	5810	5910
G 4	6101-6400	4340	4340	4340	4340	3600	3600	3600	3600	3600	4340	4340	4560	4560	4560	4560	5760	5760	5860
G 5	5801-6100	4320	4320	4320	4320	3320	3320	3320	3520	3520	3700	3700	3885	3885	3885	3885	5285	5285	5385
G 6	5501-5800	3310	3328	3328	3328	3000	3000	3000	3200	3200	3600	3600	3780	3780	3780	3780	4830	5130	5230
G 7	5201-5500	2580	2600	2600	2600	2600	2600	2600	2800	2800	3100	3100	3430	3430	3430	3430	4430	4730	4830
G 8	4901-5200	2550	2580	2580	2580	2580	2580	2580	2600	2600	2900	2900	3130	3130	3130	3130	3430	4180	4280
G 9	4601-4900	2250	2280	2280	2280	2280	2280	2280	2500	2500	2800	2800	3020	3020	3020	3020	2750	3820	3920
G 10	4301-4600	2100	2130	2130	2130	2130	2130	2130	2340	2340	2660	2660	2880	2880	2880	2880	2610	3680	3780
G 11	4001-4300	1700	1725	1725	1725	1725	1725	1725	1900	1900	2150	2150	2340	2340	2340	2340	2120	3140	3240
G 12	3701-4000	1370	1395	1395	1395	1395	1395	1395	1500	1500	1900	1900	2080	2080	2080	2080	1850	2780	2880
G 13	3401-3700	1040	1065	1065	1065	1065	1065	1065	1200	1200	1500	1500	1660	1660	1660	1660	1480	2360	2460
G 14	3101-3400	920	945	945	945	945	945	945	945	945	1300	1300	1520	1520	1520	1520	1300	2220	2320
G 15	2801-3100	770	795	795	795	795	795	795	795	795	1000	1000	1190	1190	970	970	1270	1620	1720
G 16	2501-2800	620	635	635	635	635	635	635	635	635	840	840	1010	1010	1010	920	1220	1570	1670
G 17	2201-2500	550	486	486	486	486	486	486	486	490	590	590	940	650	650	650	1130	1480	1580

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.



07. ROYALTY, DMF and NMET

Section VII

7.1 Royalty, DMF and NMET

7.1.1 Statement 7.1 shows a total of ₹ 22470.52 crore of Royalty was deposited by the Coal companies in year 2022-23. Coal India Limited accounted for (68.54%) of the country's Royalty and share of SCCL was 21.04 % from coal companies. It can also be seen that the public and private sector contributed 96.29% and 3.71%, respectively from coal companies.

Statement 7.1: Company Wise Payment of Royalty, DMF and NMET of coal companies in 2022-23 (in Cr)

Company	Royalty	DMF	NMET
ECL	311.22	99.60	6.36
BCCL	1413.76	400.83	27.74
CCL	2103.00	625.00	45.00
NCL	2727.65	823.56	54.91
WCL	1954.31	586.29	39.09
SECL	3258.52	906.51	60.39
MCL	3607.86	1086.25	71.68
NEC	25.39	7.38	0.51
CIL	**15401.71**	**4535.42**	**305.68**
SCCL	4727.00	218.61	0.00
Total Public	**21637.63**	**5042.85**	**331.65**
Total Private	**832.88**	**195.83**	**17.39**
All India	**22470.52**	**5238.67**	**349.04**

7.1.2 From the Statement 7.2 The highest amount of Royalty was collected by Telangana (21.56%) followed by Jharkhand (21.04%), Odisha (18.41%), Chhattisgarh (14.88%) and Maharashtra (12.90%). Together, these five states contributed 88.79% of the total share during the year 2022–23.

Statement 7.2: State wise Royalty, DMF and NMET of Coal Companies in 2022-23 (in Cr)

State	Royalty	DMF	NMET
Assam	25.39	7.38	0.51
Chhattisgarh	3342.72	847.15	59.62
J & K	0.00	0.00	0.00
Jharkhand	4727.55	1394.81	97.10
Maharashtra	2898.58	854.51	59.14
Madhya Pradesh	1890.72	558.47	37.78
Odisha	4137.88	1163.29	80.55
Telangana	4845.66	230.48	2.37
Uttar Pradesh	583.87	177.42	11.62
West Bengal	18.16	5.18	0.36
All India	**22470.52**	**5238.67**	**349.04**

7.1.3 Statement 7.3 shows a total of ₹ 631.99 crore royalty was collected from Lignite companies in year 2022-23. NLCIL represented the largest share in Lignite companies, comprising 50.93% of Royalty followed by GMDCL (24.31%) and BLMCL (14.83%), share during the year 2022–23.

Statement 7.3: Company Wise Payment of Royalty, DMF and NMET of Lignite companies in 2022-23 (in Cr)

Company	Royalty	DMF	NMET
BLMCL	93.75	28.13	1.88
GIPCL	16.25	4.87	0.41
GMDCL	153.62	46.09	3.07
NLCL	321.87	93.09	6.21
RSMML	26.72	8.02	0.53
Total Public	**612.21**	**180.19**	**12.10**
GHCL	0.49	0.15	0.01
GPCL	11.17	3.35	0.22
VSLPPL	8.12	4.42	2.44
Total Private	**19.77**	**7.91**	**2.67**
All India	**631.99**	**188.10**	**14.77**

7.1.4 From the Statement 7.4 The highest Royalty, DMF & NMET by Tamil Nadu (46.49%) followed by Gujarat (28.72%) and Rajasthan (24.79%) share during the year 2022–23.

Statement 7.4: State wise Royalty, DMF and NMET of Lignite Companies in 2022-23 (in Cr)

State	Royalty	DMF	NMET
Gujarat	181.52	54.45	3.71
Tamil Nadu	293.78	87.25	5.81
Rajasthan	156.68	46.39	5.25
All India	**631.99**	**188.10**	**14.77**

Table 7.1 : Company Wise Payment of Royalty, DMF, NMET and other Taxes during 2022-23 (Coal)

(Figure in Crore Rupees)

Company	Amount of Royalty Paid	Amount of DMF Paid	Amount of NMET Paid	Corporate Income Tax	Cess On Coal Paid	Central GST Paid	State GST Paid	Entry Tax Paid on Coal	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	311.22	99.60	6.36	271.00	1723.53	64.17	64.17	6.24	**2546.29**
BCCL	1413.76	400.83	27.74	0.00	1306.78	238.96	227.25	0.00	**3615.32**
CCL	2103.00	625.00	45.00	761.00	3011.00	316.00	316.00	0.00	**7177.00**
NCL	2727.65	823.56	54.91	2439.26	5345.98	338.68	338.68	0.00	**12068.72**
WCL	1954.31	586.29	39.09	0.00	2466.19	0.79	244.85	0.00	**5291.53**
SECL	3258.52	906.51	60.39	1148.86	6379.62	379.03	379.03	0.00	**12511.96**
MCL	3607.86	1086.25	71.68	5250.00	7675.51	427.22	427.22	0.00	**18545.74**
NEC	25.39	7.38	0.51	0.00	7.25	6.34	6.34	0.00	**53.21**
CIL	**15401.71**	**4535.42**	**305.68**	**9870.12**	**27915.87**	**1771.19**	**2003.54**	**6.24**	**61809.77**
SCCL	4727.00	218.61	0.00	349.09	2379.27	355.97	355.96	0.00	**8385.90**
JKML	0.00	0.00	0.00	0.00	0.00	0.25	0.25	0.00	**0.49**
DVC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
IISCO	8.04	2.41	0.16	0.00	5.46	0.20	1.15	0.00	**17.42**
SAIL	11.34	3.40	0.23	0.00	0.00	0.00	0.00	0.00	**14.97**
JSMDCL	17.81	5.34	0.36	0.00	12.79	3.31	3.31	0.00	**42.93**
RRVUNL	137.61	13.76	0.28	0.00	472.02	0.00	0.00	0.00	**623.66**
NTPC	354.13	86.23	7.08	36.71	72.51	502.12	59.56	0.00	**1118.33**
WBPDCL	264.54	79.91	5.29	0.00	0.79	0.00	36.84	0.00	**387.37**
CSPGCL	38.51	3.85	0.77	0.00	9.00	3.88	3.88	0.00	**59.89**
TSPGCL	118.66	11.87	2.37	0.00	5.00	10.68	10.68	0.00	**159.26**
OCPL	254.36	20.17	4.04	241.61	328.75	24.72	24.72	0.00	**898.37**
DPL	0.21	0.02	0.00	0.00	7.39	9.06	9.06	0.00	**25.75**
NLCIL_T-II&III	199.69	49.27	3.31	0.00	435.79	42.50	42.50	0.00	**773.06**
APMDCL	63.43	6.34	1.27	0.00	56.81	15.23	15.23	0.00	**158.32**
PSPCL	10.95	3.28	0.22	0.00	0.52	0.00	0.00	0.00	**14.97**
THDC	0.64	0.06	0.01	0.00	0.00	0.00	0.00	0.00	**0.72**
KPCL	29.00	2.90	0.58	0.00	40.38	16.29	16.29	0.00	**105.44**
Total Public	**21637.63**	**5042.85**	**331.65**	**10497.53**	**31742.35**	**2755.40**	**2582.97**	**6.24**	**74596.62**
TSL	344.30	103.29	6.88	6.05	158.72	40.90	40.90	0.00	**701.05**
CESC	0.48	0.05	0.01	0.00	36.92	13.93	14.10	0.00	**65.49**
HIL	18.30	1.87	0.37	0.11	6.60	23.46	25.67	0.00	**76.37**
SPL	189.93	62.46	4.51	0.00	0.00	22.54	22.54	0.00	**301.99**
BALCO	16.37	1.64	0.33	0.00	0.00	40.30	40.30	0.00	**98.94**
SIL	5.40	0.70	0.11	0.00	0.00	0.00	0.00	0.00	**6.22**
JPVL	37.82	3.78	0.76	0.00	0.00	3.81	3.81	0.00	**49.99**
JPL	122.61	12.26	2.45	0.00	3.40	10.71	10.71	0.00	**162.15**
RCCPL	11.97	1.20	0.24	0.00	0.00	1.23	1.23	0.00	**15.86**
TUML	5.37	0.35	0.07	0.07	0.00	0.00	0.00	0.00	**5.86**
OCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
AMBUJA	15.80	1.83	0.37	0.00	2.49	42.64	33.58	0.00	**96.71**
BSIL	3.55	0.30	0.07	0.00	3.75	0.99	0.99	0.00	**9.66**
UTCL	6.33	0.63	0.13	0.00	0.06	0.00	0.00	0.00	**7.14**
SEML	53.33	5.33	1.07	208.18	15.05	2.44	2.44	0.00	**287.84**
Vedanta	0.71	0.07	0.01	0.00	0.00	0.00	0.00	0.00	**0.79**
BSMPL	0.60	0.06	0.01	0.00	0.71	0.09	0.09	0.00	**1.56**
Total Private	**832.88**	**195.83**	**17.39**	**214.42**	**227.70**	**203.04**	**196.36**	**0.00**	**1887.62**
All India	**22470.52**	**5238.67**	**349.04**	**10711.94**	**31970.05**	**2958.45**	**2779.34**	**6.24**	**76484.24**

Table 7.2 : State Wise Payment of Royalty, DMF, NMET and other Taxes during 2022-23 (Coal)

(Figure in Crore Rupees)

Company	Amount of Royalty Paid	Amount of DMF Paid	Amount of NMET Paid	Corporate Income Tax	Cess On Coal Paid	Central GST Paid	State GST Paid	Entry Tax Paid on Coal	Total	Share (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Assam	25.39	7.38	0.51	0.00	7.25	6.34	6.34	0.00	**53.21**	**0.07%**
Chhattisgarh	3342.72	847.15	59.62	1357.04	6487.90	463.58	447.06	0.00	**13005.05**	**17.00%**
Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00	0.25	0.25	0.00	**0.49**	**0.00%**
Jharkhand	4727.55	1394.81	97.10	799.47	4551.89	1127.60	699.78	6.24	**13404.43**	**17.53%**
Maharashtra	2898.58	854.51	59.14	2439.26	5014.21	355.91	373.33	0.00	**11994.94**	**15.68%**
Madhya Pradesh	1890.72	558.47	37.78	0.07	2386.55	17.85	244.49	0.00	**5135.94**	**6.72%**
Odisha	4137.88	1163.29	80.55	5496.01	8455.22	494.44	511.94	0.00	**20339.32**	**26.59%**
Telangana	4845.66	230.48	2.37	349.09	2384.27	366.65	363.67	0.00	**8542.19**	**11.17%**
Uttar Pradesh	583.87	177.42	11.62	0.00	911.49	73.93	73.93	0.00	**1832.26**	**2.40%**
West Bengal	18.16	5.18	0.36	271.00	1771.28	51.89	58.55	0.00	**2176.41**	**2.85%**
All India	**22470.52**	**5238.67**	**349.04**	**10711.94**	**31970.05**	**2958.45**	**2779.34**	**6.24**	**76484.24**	**100.00%**

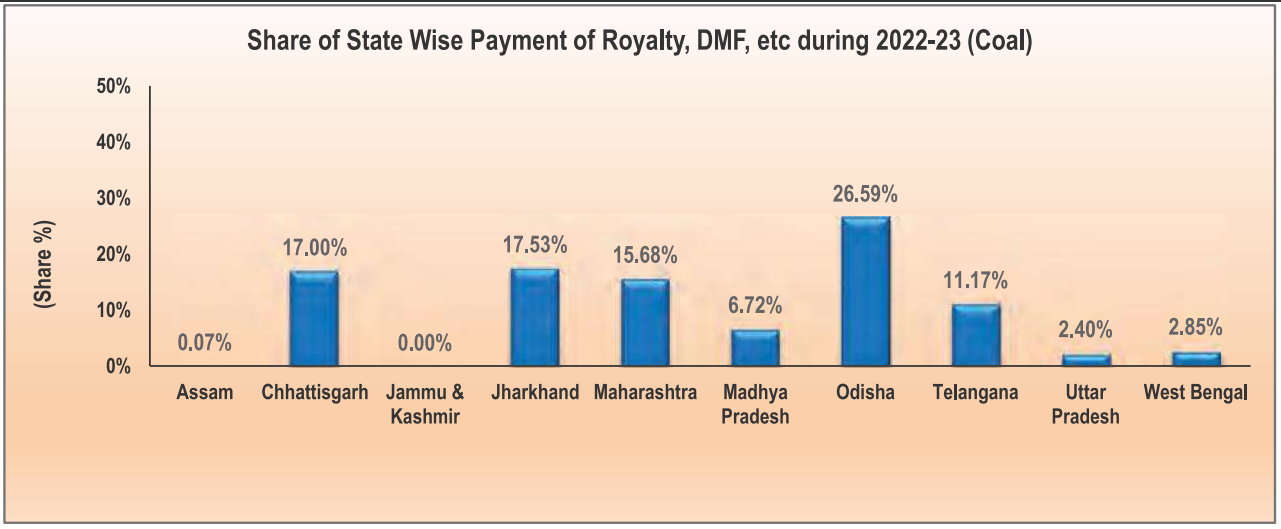


Table 7.3 : Company Type Wise Payment of Royalty, DMF etc during 2022-23 (Coal)

(Figure in Crore Rupees)

Type	Amount of Royalty Paid	Amount of DMF Paid	Amount of NMET Paid	Corporate Income Tax	Cess On Coal Paid	Central GST Paid	State GST Paid	Entry Tax Paid on Coal	Total	Share (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Public Non Captive	20062.86	4734.27	304.36	10219.21	30220.34	2114.12	2347.41	6.24	**70008.81**	**91.53%**
Public Captive	1574.78	308.58	27.29	278.32	1522.01	641.29	235.56	0.00	**4587.81**	**6.00%**
Total Public	**21637.63**	**5042.85**	**331.65**	**10497.53**	**31742.35**	**2755.40**	**2582.97**	**6.24**	**74596.62**	**97.53%**
Private Non Captive	344.30	103.29	6.88	6.05	158.72	40.90	40.90	0.00	**701.05**	**0.92%**
Private Captive	488.58	92.54	10.50	208.36	68.98	162.14	155.46	0.00	**1186.57**	**1.55%**
Total Private	**832.88**	**195.83**	**17.39**	**214.42**	**227.70**	**203.04**	**196.36**	**0.00**	**1887.62**	**2.47%**
Total Non Captive	20407.16	4837.56	311.25	10225.26	30379.06	2155.02	2388.31	6.24	**70709.87**	**92.45%**
Total Captive	2063.36	401.11	37.79	486.68	1590.99	803.43	391.02	0.00	**5774.38**	**7.55%**
Grand Total	**22470.52**	**5238.67**	**349.04**	**10711.94**	**31970.05**	**2958.45**	**2779.34**	**6.24**	**76484.24**	**100.00%**

Table 7.4 : Company Wise Payment of Royalty, DMF, NMET and other Taxes during 2022-23 (Lignite)

(Figure in Crore Rupees)

Company	Amount of NMET Paid	Amount of DMF Paid	Amount of NMET Paid	Corporate Income Tax	Cess On Coal Paid	Central GST Paid	State GST Paid	Entry Tax Paid on Coal	Total	Share (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
BLMCL	93.75	28.13	1.88	28.61	244.99	42.16	42.16	0.00	**481.66**	**17.28%**
GIPCL	16.25	4.87	0.41	0.07	0.00	0.25	0.25	0.00	**22.09**	**0.79%**
GMDCL	153.62	46.09	3.07	444.70	249.53	63.48	63.48	0.90	**1024.86**	**36.76%**
NLCL	321.87	93.09	6.21	0.00	123.12	0.00	6.96	70.68	**621.94**	**22.31%**
RSMML	26.72	8.02	0.53	0.00	48.32	0.00	24.03	0.00	**107.62**	**3.86%**
Total Public	**612.21**	**180.19**	**12.10**	**473.38**	**665.95**	**105.88**	**136.88**	**71.58**	**2258.17**	**81.00%**
GHCL	0.49	0.15	0.01	359.21	0.01	0.06	0.06	0.00	**359.98**	**12.91%**
GPCL	11.17	3.35	0.22	40.85	62.78	9.37	9.37	0.00	**137.10**	**4.92%**
VSLPPL	8.12	4.42	2.44	0.16	12.79	2.31	2.31	0.00	**32.55**	**1.17%**
Total Private	**19.77**	**7.91**	**2.67**	**400.22**	**75.58**	**11.74**	**11.74**	**0.00**	**529.63**	**19.00%**
All India	**631.99**	**188.10**	**14.77**	**873.60**	**741.53**	**117.62**	**148.61**	**71.58**	**2787.80**	**100.00%**

Table 7.5 : State Wise Payment of Royalty, DMF, NMET and other Taxes during 2022-23 (Lignite)

(Figure in Crore Rupees)

Company	Amount of Royalty Paid	Amount of DMF Paid	Amount of NMET Paid	Corporate Income Tax	Cess On Coal Paid	Central GST Paid	State GST Paid	Entry Tax Paid on Coal	Total	Share (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Gujarat	181.52	54.45	3.71	844.82	312.32	73.15	73.15	0.90	**1544.03**	**55.39%**
Tamilnadu	293.78	87.25	5.81	0.00	116.42	0.00	0.00	0.00	**503.26**	**18.05%**
Rajasthan	156.68	46.39	5.25	28.77	312.79	44.47	75.46	70.68	**740.51**	**26.56%**
All India	**631.99**	**188.10**	**14.77**	**873.60**	**741.53**	**117.62**	**148.61**	**71.58**	**2787.80**	**100.00%**

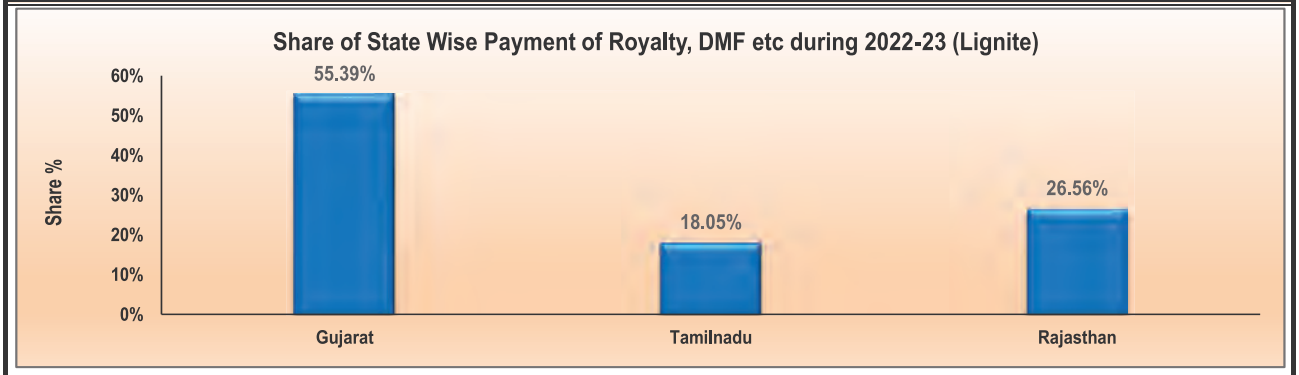


Table 7.6 : Company Type Wise Payment of Royalty, DMF, NMET and other Taxes during 2022-23 (Lignite)

(Figure in Crore Rupees)

Type	Amount of Royalty Paid	Amount of DMF Paid	Amount of NMET Paid	Corporate Income Tax	Cess On Coal Paid	Central GST Paid	State GST Paid	Entry Tax Paid on Coal	Total	Share (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Public Non Captive	321.87	93.09	6.21	0.00	123.12	0.00	6.96	70.68	**621.94**	**22.31%**
Public Captive	290.34	87.10	5.89	473.38	542.83	105.88	129.91	0.90	**1636.24**	**58.69%**
Total Public	**612.21**	**180.19**	**12.10**	**473.38**	**665.95**	**105.88**	**136.88**	**71.58**	**2258.17**	**81.00%**
Private Non Captive	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	**0.00%**
Private Captive	19.77	7.91	2.67	400.22	75.58	11.74	11.74	0.00	**529.63**	**19.00%**
Total Private	**19.77**	**7.91**	**2.67**	**400.22**	**75.58**	**11.74**	**11.74**	**0.00**	**529.63**	**19.00%**
Total Non Captive	**321.87**	**93.09**	**6.21**	**0.00**	**123.12**	**0.00**	**6.96**	**70.68**	**621.94**	**22.31%**
Total Captive	**310.11**	**95.01**	**8.56**	**873.60**	**618.41**	**117.62**	**141.65**	**0.90**	**2165.86**	**77.69%**
Grand Total	**631.99**	**188.10**	**14.77**	**873.60**	**741.53**	**117.62**	**148.61**	**71.58**	**2787.80**	**100.00%**

08. IMPORT & EXPORT

Section VIII

8.1 Import & Export

8.1.1 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.

8.1.2 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.

8.1.3 In 2022-23, import of coal by India was 237.668 MT against import of 208.627 MT in 2021-22, thus import increased by 13.92% over 2021-22. Import of coal, both in quantity and value is shown in Statement 8.1 below.

Statement 8.1: Import of Coal to India in 2022-23

Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	56.053	1538399.74
Non-Coking	181.615	2297444.02
Total	**237.668**	**3835843.76**

It may be seen that the share of coking coal in the total quantity was 23.58% but it accounted for 40.11% of the total value of import

8.1.4 Statement 8.2 shows country wise import of coal in India in 2022-23. It can be seen that Indonesia with 46.21% share remained the leading supplier followed by Australia 19.98% and Russia 8.98%. These three countries together accounted for 75.18% share in the country's import.

Statement 8.2: Source Country Wise Import of Coal by India during 2022-23

Country	Quantity [MT]	Share %
Indonesia	109.828	46.21%
Australia	47.498	19.98%
Russia	21.342	8.98%
South Africa	17.445	7.34%
U S A	13.692	5.76%
Singapore	10.074	4.24%
Mozambique	9.174	3.86%
Canada	2.896	1.22%
U Arab Emts	2.508	1.06%
Switzerland	1.627	0.68%
Others	1.584	0.67%
Total	**237.668**	**100.00%**

8.1.5 The break-up of source country wise import for coking and non-coking coal during 2022-23 is given in statement 8.3 and statement 8.4 respectively.

Statement 8.3: Source Country Wise Import of Coking Coal by India during 2022-23

Country	Quantity [MT]	Share %
Australia	30.100	53.70%
U S A	7.274	12.98%
Singapore	5.399	9.63%
Russia	4.481	7.99%
Canada	2.896	5.17%
Indonesia	2.234	3.99%
Mozambique	2.081	3.71%
U Arab Emts	0.660	1.18%
Switzerland	0.420	0.75%
New Zealand	0.294	0.52%
Others	0.214	0.38%
Total	**56.053**	**100.00%**

Statement 8.4: Source Country Wise Import of Non-Coking Coal to India during 2022-23		
Country	**Quantity [MT]**	**Share %**
Indonesia	107.594	59.24%
South Africa	17.445	9.61%
Australia	17.398	9.58%
Russia	16.861	9.28%
Mozambique	7.092	3.91%
U S A	6.418	3.53%
Singapore	4.675	2.57%
U Arab Emts	1.848	1.02%
Switzerland	1.207	0.66%
Taiwan	0.312	0.17%
Others	0.765	0.42%
Total	**181.615**	**100.00%**

8.1.6 Demand of coal of the country and its production vis-à-vis import during the last five years are given in statement 8.5.

Statement 8.5: Demand, Production and Import of Coal in India in last five years [MT]			
Year	**Demand ***	**Production**	**Import**
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	1085.00	716.083	215.251
2021-22	1142.00	778.210	208.627
2022-23	1087.00	893.191	237.668

* Source: Annual Plan, MOC

8.1.7 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 2022-23 the export of coal was 1.166 MT (statement 8.6) and mainly exported to Nepal and Bangladesh, having respective shares of 71.70% and 21.01%. Out of the export, quantity of coking coal was 0.02669 MT.

Statement 8.6: Export of Coal from India by destination countries during 2022-23		
Country	**Quantity [MT]**	**Share %**
Nepal	0.836	71.70%
Bangladesh Pr	0.245	21.01%
Bhutan	0.053	4.55%
Oman	0.027	2.32%
Others	0.005	0.42%
Total	**1.166**	**100.00%**

Chart VIII-I : Share of Import of Coal from top Ten Countries in 2022-23

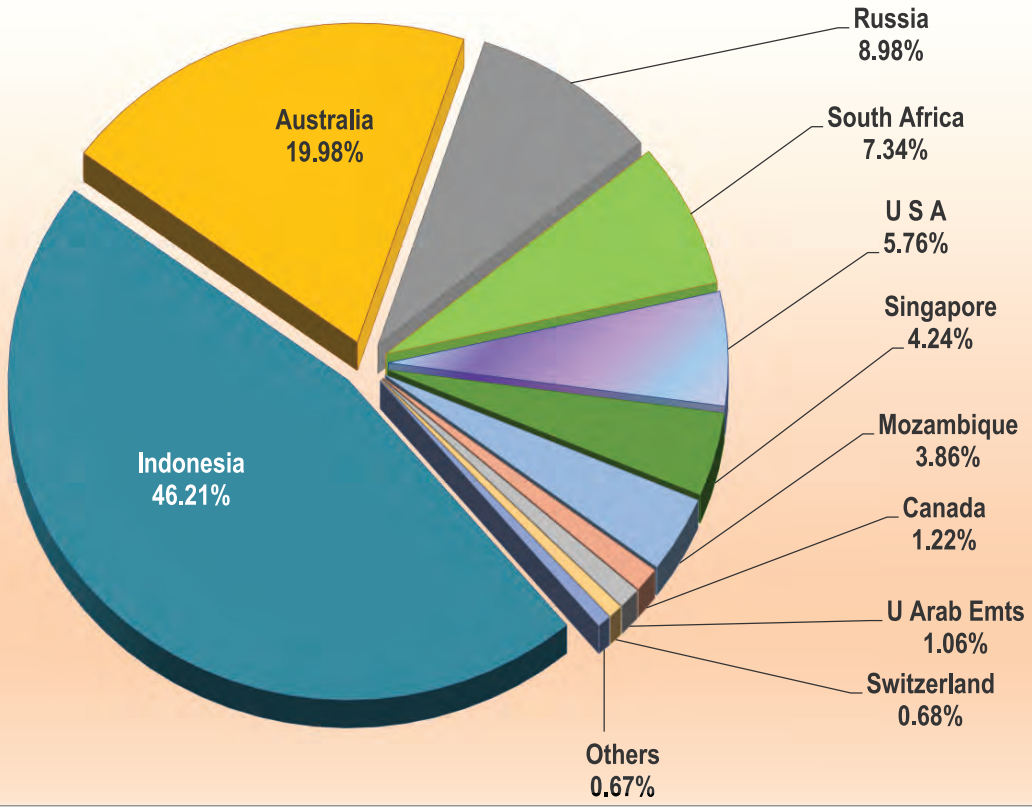


Chart VIII-II : Share of Country Wise Export of Coal from India in 2022-23

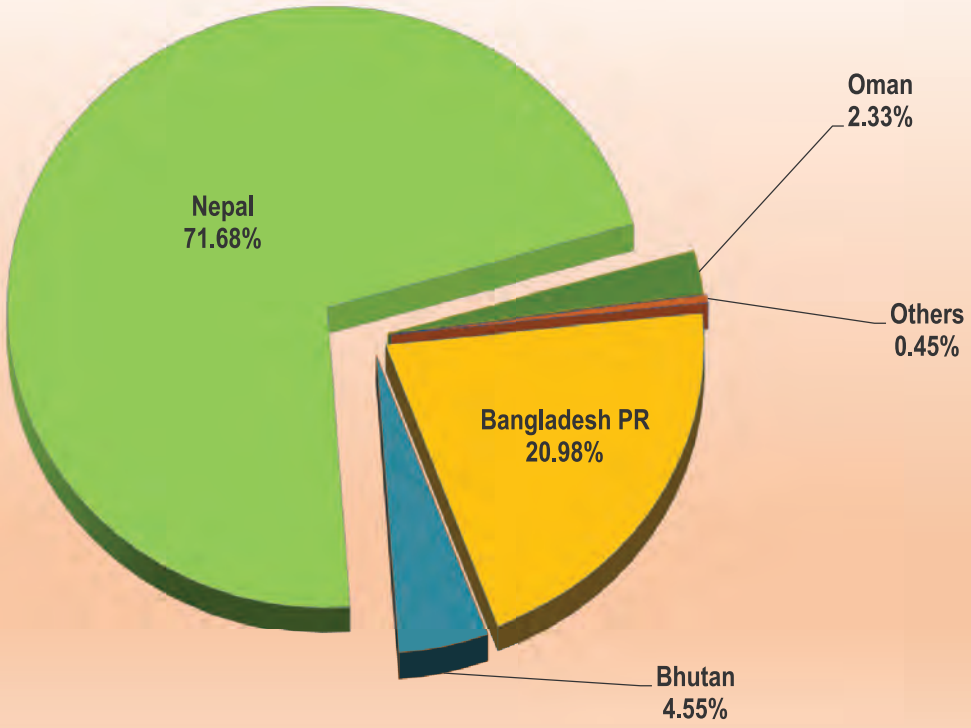


Chart VIII-III : Share of Port Wise Import of Coal in 2022-23

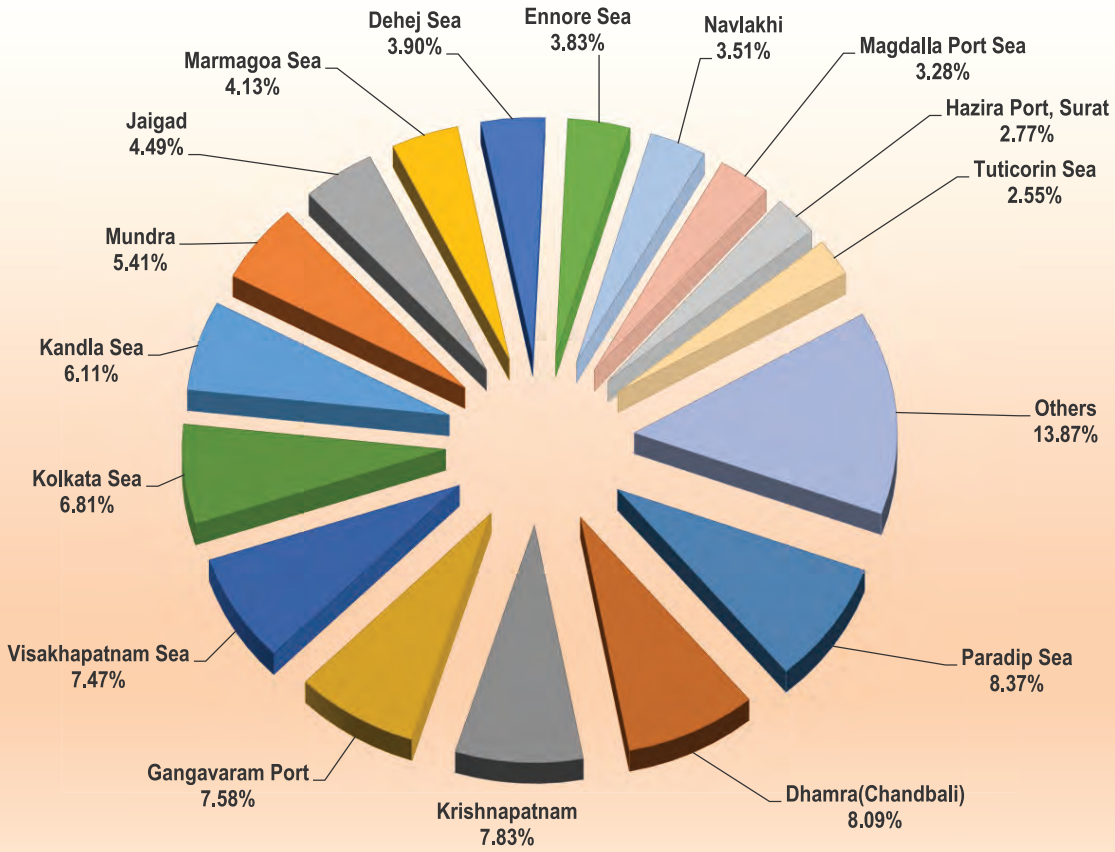


Chart VIII-IV : Share of Port Wise Export of Coal in 2022-23

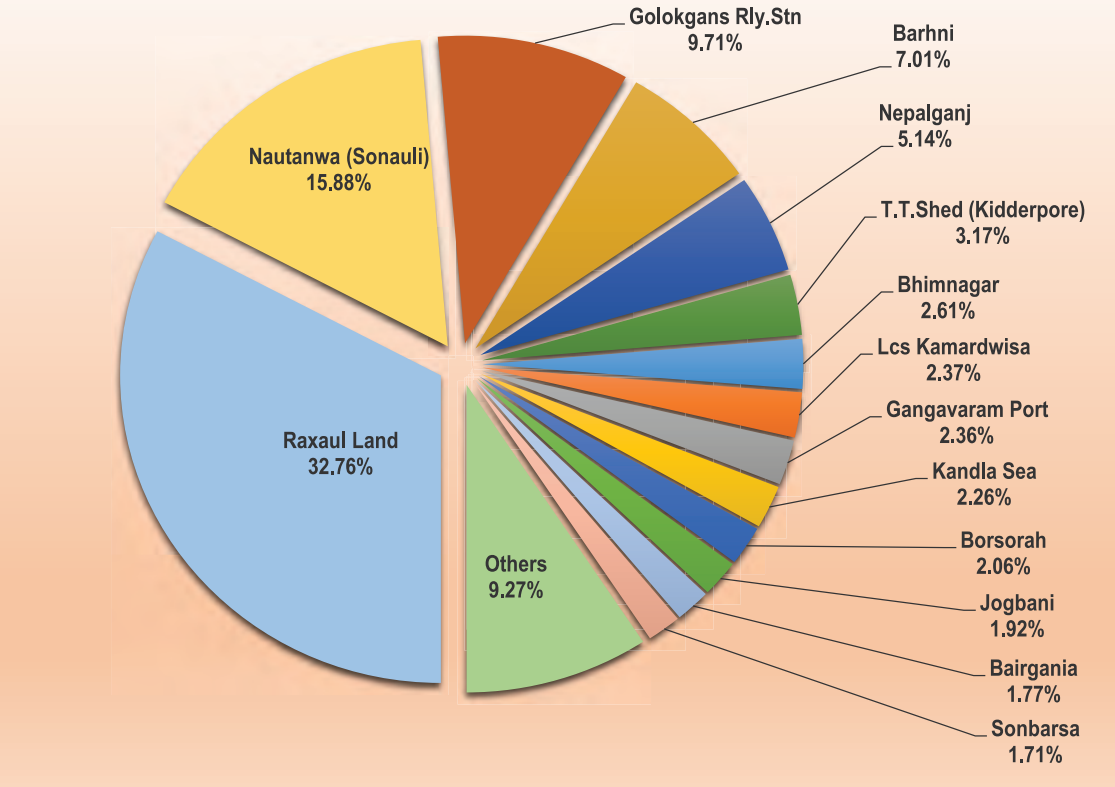
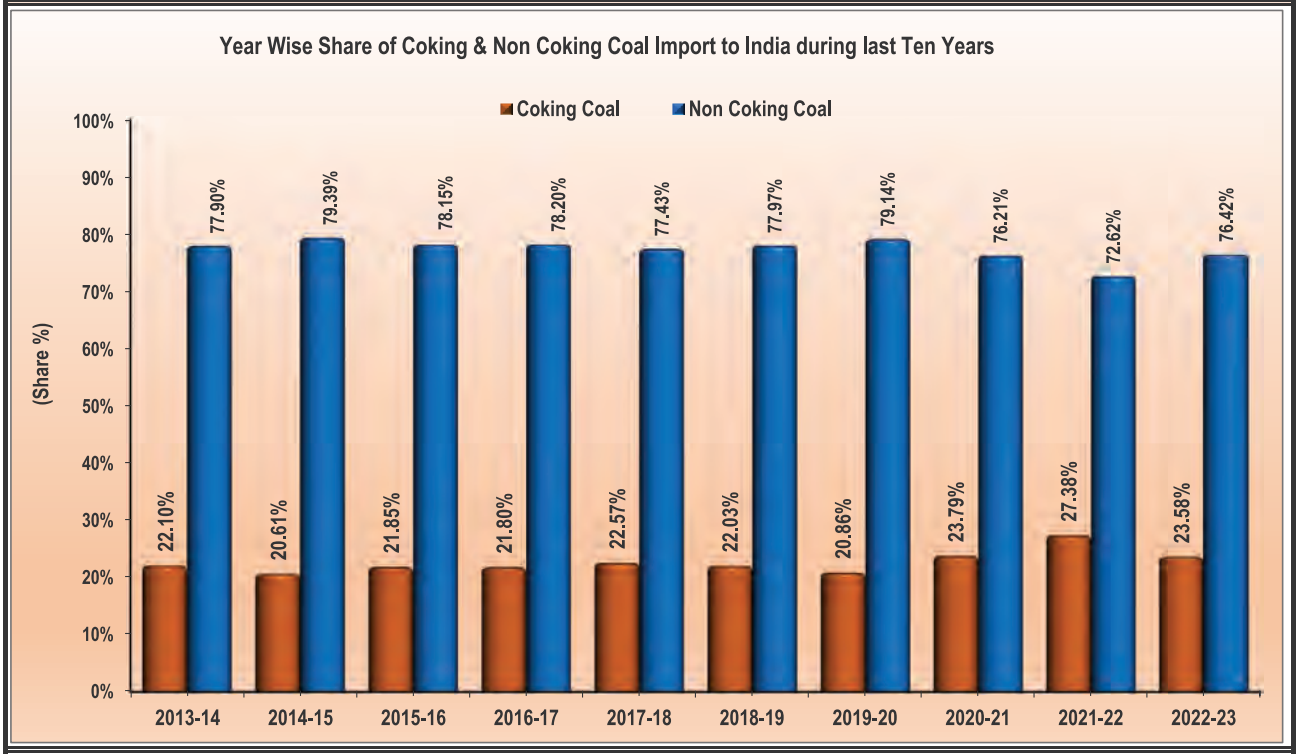


Table 8.1 : Year Wise Import of Coal, Coke & Other Coal Products to India during last Ten Years

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

Year	Coking Coal			Non Coking Coal			Total Coal			Coke & Coal Products		
	Qty.	Value(Rs)	Value($)	Qty.	Value(Rs)	Value($)	Qty.	Value(Rs)	Value($)	Qty.	Value(Rs)	Value($)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2013-14	36.872	348318.65	5744.41	129.985	574973.16	9536.52	**166.857**	**923291.81**	**15280.93**	3.081	56918.82	1044.23
Growth(%)	▲ 3.7%	▼ 7.9%	▼ 17.3%	▲ 17.9%	▲ 17.3%	▲ 5.9%	▲ 14.5%	▲ 6.3%	▼ 4.2%	▲ 29.6%	▲ 19.3%	▲ 3.1%
2014-15	43.715	337655.59	5522.77	168.388	707585.71	11559.46	**212.103**	**1045241.30**	**17082.23**	4.171	67994.89	1122.14
Growth(%)	▲ 18.6%	▼ 3.1%	▼ 3.9%	▲ 29.5%	▲ 23.1%	▲ 21.2%	▲ 27.1%	▲ 13.2%	▲ 11.8%	▲ 35.4%	▲ 19.5%	▲ 7.5%
2015-16	44.561	282519.09	4329.92	159.388	577818.53	8836.58	**203.949**	**860337.62**	**13166.50**	3.294	43806.15	720.05
Growth(%)	▲ 1.9%	▼ 16.3%	▼ 21.6%	▼ 5.3%	▼ 18.3%	▼ 23.6%	▼ 3.8%	▼ 17.7%	▼ 22.9%	▼ 21.0%	▼ 35.6%	▼ 35.8%
2016-17	41.644	412300.61	6138.37	149.365	590772.69	8809.64	**191.009**	**1003073.30**	**14948.01**	3.072	32683.54	500.87
Growth(%)	▼ 6.5%	▲ 45.9%	▲ 41.8%	▼ 6.3%	▲ 2.2%	▼ 0.3%	▼ 6.3%	▲ 16.6%	▲ 13.5%	▼ 6.7%	▼ 25.4%	▼ 30.4%
2017-18	47.003	595226.36	9231.96	161.245	789543.41	12247.55	**208.249**	**1384769.77**	**21479.51**	4.356	54019.35	805.55
Growth(%)	▲ 12.9%	▲ 44.4%	▲ 50.4%	▲ 8.0%	▲ 33.6%	▲ 39.0%	▲ 9.0%	▲ 38.1%	▲ 43.7%	▲ 41.8%	▲ 65.3%	▲ 60.8%
2018-19	51.838	720497.64	10341.90	183.510	988707.26	14171.33	**235.348**	**1709204.90**	**24513.22**	4.585	91524.74	1419.92
Growth(%)	▲ 10.3%	▲ 21.0%	▲ 12.0%	▲ 13.8%	▲ 25.2%	▲ 15.7%	▲ 13.0%	▲ 23.4%	▲ 14.1%	▲ 5.3%	▲ 69.4%	▲ 76.3%
2019-20	51.833	612668.32	8592.55	196.704	914652.23	12794.73	**248.537**	**1527320.55**	**21387.28**	4.931	120644.85	1730.61
Growth(%)	▼ 0.0%	▼ 15.0%	▼ 16.9%	▲ 7.2%	▼ 7.5%	▼ 9.7%	▲ 5.6%	▼ 10.6%	▼ 12.8%	▲ 7.6%	▲ 31.8%	▲ 21.9%
2020-21	51.198	453552.10	6125.98	164.054	706688.44	9539.41	**215.251**	**1160240.54**	**15665.39**	2.457	44688.59	603.62
Growth(%)	▼ 1.2%	▼ 26.0%	▼ 28.7%	▼ 16.6%	▼ 22.7%	▼ 25.4%	▼ 13.4%	▼ 24.0%	▼ 26.8%	▼ 50.2%	▼ 63.0%	▼ 65.1%
2021-22	57.123	1027908.35	13757.08	151.504	1259932.89	16871.79	**208.627**	**2287841.24**	**30628.87**	2.506	81031.26	1084.33
Growth(%)	▲ 11.6%	▲ 126.6%	▲ 124.6%	▼ 7.6%	▲ 78.3%	▲ 76.9%	▼ 3.1%	▲ 97.2%	▲ 95.5%	▲ 2.0%	▲ 81.3%	▲ 79.6%
2022-23	56.053	1538399.74	19285.76	181.615	2297444.02	28749.17	**237.668**	**3835843.76**	**48034.94**	3.632	135750.18	1688.18
Growth(%)	▼ 1.9%	▲ 49.7%	▲ 40.2%	▲ 19.9%	▲ 82.3%	▲ 70.4%	▲ 13.9%	▲ 67.7%	▲ 56.8%	▲ 44.9%	▲ 67.5%	▲ 55.7%

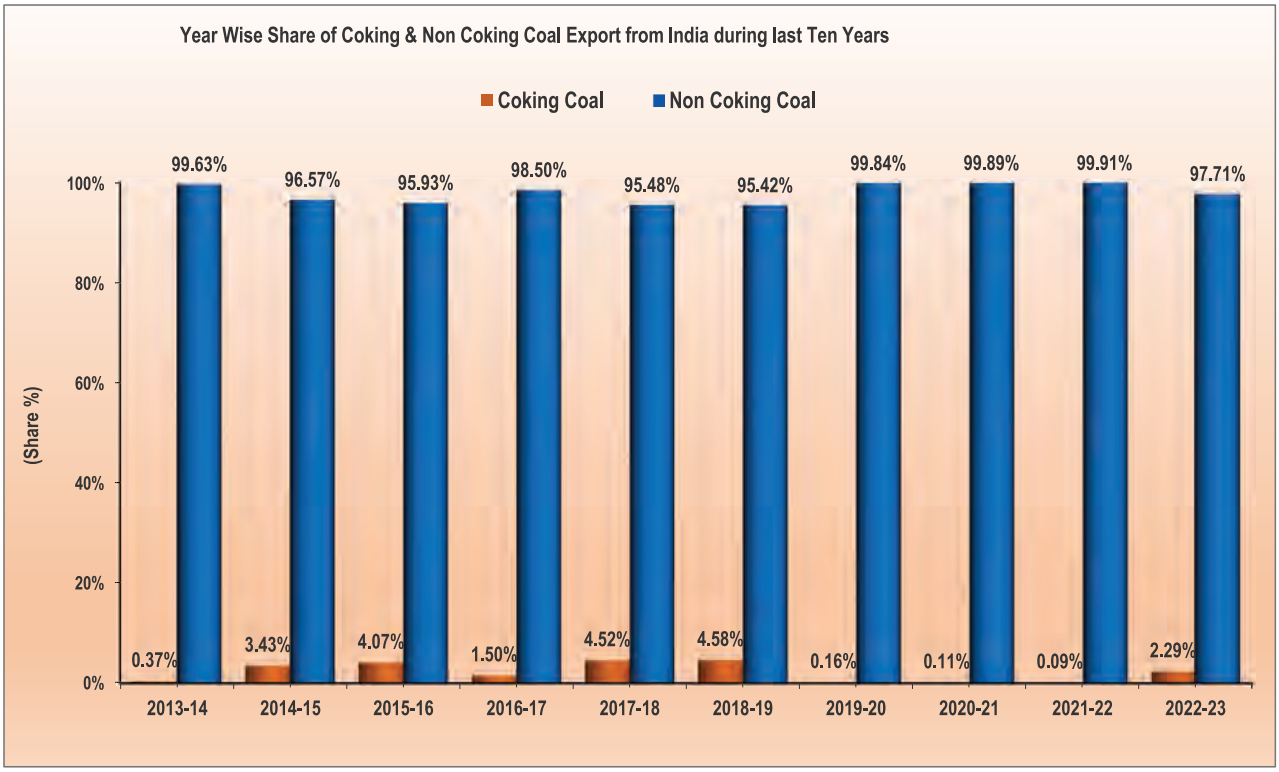


Source: DGCI & S , Kolkata

Table 8.2 : Year Wise Export of Coal, Coke & Other Coal Products from India during last Ten Years

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

Year	Coking Coal			Non Coking Coal			Total Coal			Coke & Coal Products		
	Qty.	Value(Rs)	Value($)	Qty.	Value(Rs)	Value($)	Qty.	Value(Rs)	Value($)	Qty.	Value(Rs)	Value($)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2013-14	0.008	34.94	0.61	2.180	10805.12	180.91	**2.188**	**10840.07**	**181.52**	0.154	1521.38	25.63
Growth(%)	▼ 85.7%	▼ 88.4%	▼ 88.9%	▼ 8.6%	▲ 29.4%	▲ 17.9%	▼ 10.4%	▲ 25.3%	▲ 14.1%	▼ 87.2%	▼ 74.7%	▼ 76.8%
2014-15	0.042	413.03	6.72	1.196	6784.24	110.37	**1.238**	**7197.27**	**117.09**	0.102	1140.32	18.76
Growth(%)	▲ 429.9%	▲ 1082.0%	▲ 996.8%	▼ 45.2%	▼ 37.2%	▼ 39.0%	▼ 43.4%	▼ 33.6%	▼ 35.5%	▼ 33.7%	▼ 25.0%	▼ 26.8%
2015-16	0.064	650.37	10.36	1.511	8348.06	127.30	**1.575**	**8998.43**	**137.66**	0.149	1493.51	22.67
Growth(%)	▲ 50.8%	▲ 57.5%	▲ 54.2%	▲ 26.4%	▲ 23.1%	▲ 15.3%	▲ 27.2%	▲ 25.0%	▲ 17.6%	▲ 45.7%	▲ 31.0%	▲ 20.9%
2016-17	0.027	114.53	1.68	1.746	9554.72	142.49	**1.773**	**9669.25**	**144.18**	0.089	1063.43	15.83
Growth(%)	▼ 58.4%	▼ 82.4%	▼ 83.8%	▲ 15.5%	▲ 14.5%	▲ 11.9%	▲ 12.5%	▲ 7.5%	▲ 4.7%	▼ 40.3%	▼ 28.8%	▼ 30.2%
2017-18	0.068	394.41	6.13	1.436	8388.62	130.34	**1.504**	**8783.03**	**136.47**	0.107	1726.21	26.80
Growth(%)	▲ 154.8%	▲ 244.4%	▲ 264.6%	▼ 17.8%	▼ 12.2%	▼ 8.5%	▼ 15.2%	▼ 9.2%	▼ 5.3%	▲ 20.9%	▲ 62.3%	▲ 69.3%
2018-19	0.060	911.89	12.86	1.247	8587.98	123.80	**1.306**	**9499.86**	**136.66**	0.025	228.09	3.28
Growth(%)	▼ 12.0%	▲ 131.2%	▲ 109.6%	▼ 13.2%	▲ 2.4%	▼ 5.0%	▼ 13.1%	▲ 8.2%	▲ 0.1%	▼ 76.8%	▼ 86.8%	▼ 87.7%
2019-20	0.002	13.43	0.19	1.028	5818.65	80.98	**1.030**	**5832.07**	**81.17**	0.022	224.42	3.13
Growth(%)	▼ 97.3%	▼ 98.5%	▼ 98.5%	▼ 17.5%	▼ 32.2%	▼ 34.6%	▼ 21.2%	▼ 38.6%	▼ 40.6%	▼ 11.7%	▼ 1.6%	▼ 4.6%
2020-21	0.003	23.09	0.31	2.942	5712.93	77.42	**2.945**	**5736.03**	**77.73**	0.025	311.91	4.23
Growth(%)	▲ 94.7%	▲ 72.0%	▲ 66.2%	▲ 186.2%	▼ 1.8%	▼ 4.4%	▲ 186.0%	▼ 1.6%	▼ 4.2%	▲ 15.1%	▲ 39.0%	▲ 35.1%
2021-22	0.001	7.37	0.10	1.315	11224.64	149.69	**1.316**	**11232.01**	**149.79**	0.503	16148.01	215.27
Growth(%)	▼ 61.9%	▼ 68.1%	▼ 68.1%	▼ 55.3%	▲ 96.5%	▲ 93.4%	▼ 55.3%	▲ 95.8%	▲ 92.7%	▲ 1887.9%	▲ 5077.1%	▲ 4985.7%
2022-23	0.027	770.19	9.35	1.139	14231.26	176.91	**1.166**	**15001.45**	**186.26**	0.034	702.81	8.71
Growth(%)	▲ 2087.1%	▲ 10348.5%	▲ 9245.8%	▼ 13.3%	▲ 26.8%	▲ 18.2%	▼ 11.4%	▲ 33.6%	▲ 24.3%	▼ 93.2%	▼ 95.6%	▼ 96.0%

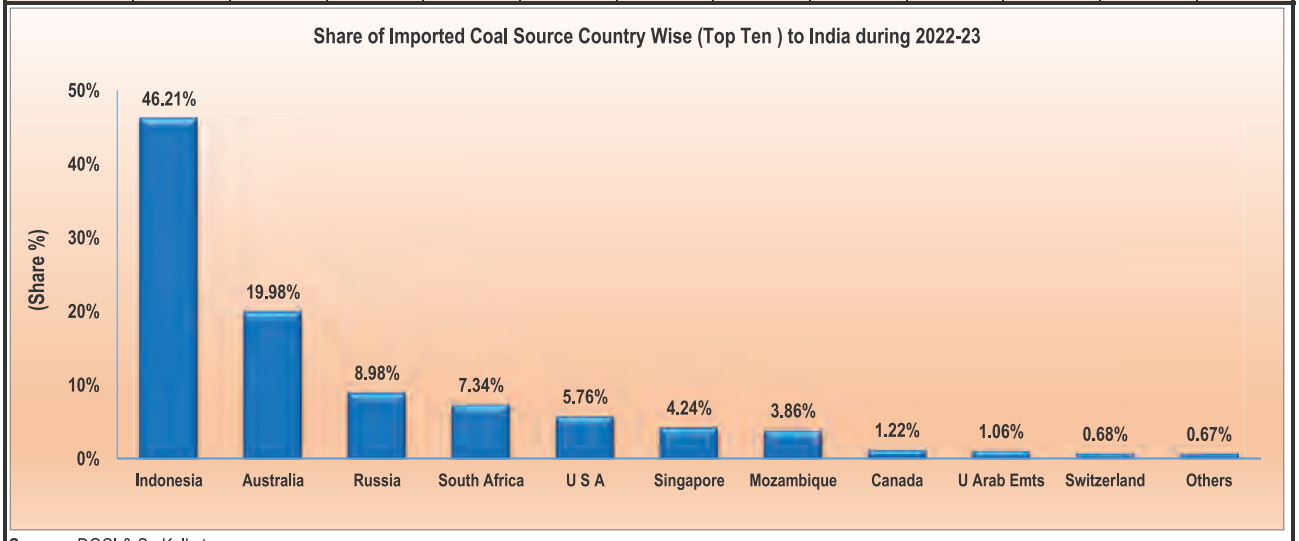


Source: DGCI & S , Kolkata

Table 8.3 : Source Country Wise Import of Coal, Coke & Other Coal Products to India during 2022-23

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

Country	Coking Coal			Non Coking Coal			Total Coal			Coke & Coal Products		
	Qty.	Value(Rs)	Value($)	Qty.	Value(Rs)	Value($)	Qty.	Value(Rs)	Value($)	Qty.	Value(Rs)	Value($)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Afghanistan				0.00020	3.37	0.04	**0.00020**	**3.37**	**0.04**			
Australia	30.10011	848077.21	10635.13	17.39771	313613.34	3919.27	**47.49782**	**1161690.55**	**14554.39**	0.33946	12669.23	157.91
Austria	0.02500	589.68	7.16				**0.02500**	**589.68**	**7.16**			
Baharain Is				0.01239	130.62	1.60	**0.01239**	**130.62**	**1.60**			
Belgium							**0.00000**	**0.00**	**0.00**	0.00000	0.25	0.00
Bhutan							**0.00000**	**0.00**	**0.00**	0.00010	4.35	0.06
Botswana				0.00013	1.52	0.02	**0.00013**	**1.52**	**0.02**			
Canada	2.89601	83946.25	1058.75	0.00000	0.00	0.00	**2.89601**	**83946.25**	**1058.75**			
Chile							**0.00000**	**0.00**	**0.00**	0.01241	274.66	3.32
China P Rp				0.13144	5594.28	70.90	**0.13144**	**5594.28**	**70.90**	0.81627	32141.58	400.40
Colombia	0.01259	304.60	3.72	0.08440	292.71	3.55	**0.09699**	**597.31**	**7.27**	0.43985	13336.54	165.84
Denmark							**0.00000**	**0.00**	**0.00**	0.00050	9.80	0.12
Estonia							**0.00000**	**0.00**	**0.00**	0.00069	20.33	0.25
France							**0.00000**	**0.00**	**0.00**	0.00000	0.11	0.00
Germany				0.07605	754.00	9.16	**0.07605**	**754.00**	**9.16**	0.00014	3.80	0.05
Hong Kong				0.03235	628.73	7.64	**0.03235**	**628.73**	**7.64**			
Indonesia	2.23448	55427.85	692.64	107.59378	1096824.87	13772.81	**109.82826**	**1152252.72**	**14465.45**	0.26372	9641.27	118.70
Japan							**0.00000**	**0.00**	**0.00**	0.33324	12738.19	158.73
Latvia	0.07235	1040.10	13.07	0.20551	5390.38	69.36	**0.27786**	**6430.48**	**82.44**	0.00948	206.07	2.55
Lithuania							**0.00000**	**0.00**	**0.00**	0.00200	51.26	0.63
Mozambique	2.08148	51811.82	650.88	7.09241	92455.90	1146.31	**9.17389**	**144267.72**	**1797.20**			
Netherland				0.00002	1.50	0.02	**0.00002**	**1.50**	**0.02**		0.00	0.00
New Zealand	0.29391	7129.30	89.49	0.02400	352.82	4.31	**0.31791**	**7482.12**	**93.79**			
Oman							**0.00000**	**0.00**	**0.00**	0.01000	359.87	4.36
Peru				0.05183	966.89	12.42	**0.05183**	**966.89**	**12.42**			
Philippines				0.07420	838.14	10.74	**0.07420**	**838.14**	**10.74**			
Poland							**0.00000**	**0.00**	**0.00**	0.86092	35223.78	439.13
Qatar							**0.00000**	**0.00**	**0.00**	0.00337	43.23	0.54
Russia	4.48122	93291.40	1158.42	16.86080	292592.69	3630.14	**21.34201**	**385884.09**	**4788.56**	0.08514	3304.89	40.93
Saudi Arab							**0.00000**	**0.00**	**0.00**	0.00024	3.21	0.04
Serbia							**0.00000**	**0.00**	**0.00**	0.00000	0.03	0.00
Singapore	5.39927	154387.91	1933.12	4.67497	69759.43	869.97	**10.07423**	**224147.34**	**2803.10**	0.19818	6976.32	85.25
South Africa				17.44548	277460.47	3480.71	**17.44548**	**277460.47**	**3480.71**	0.00031	8.69	0.11
Spain							**0.00000**	**0.00**	**0.00**	0.00002	2.30	0.03
Switzerland	0.41986	12517.12	158.20	1.20732	12563.27	156.53	**1.62718**	**25080.39**	**314.73**	0.20959	7274.32	91.21
Taiwan				0.31200	4289.02	53.50	**0.31200**	**4289.02**	**53.50**			
Tanzania Rep				0.03100	651.04	8.42	**0.03100**	**651.04**	**8.42**			
Thailand							**0.00000**	**0.00**	**0.00**	0.00000	0.00	0.00
Turkey				0.00555	279.32	3.40	**0.00555**	**279.32**	**3.40**			
U Arab Emts	0.65990	15021.60	187.31	1.84782	31893.64	395.69	**2.50773**	**46915.24**	**583.00**	0.04531	1426.72	17.63
U K	0.10251	3480.07	44.58	0.02487	387.40	4.99	**0.12738**	**3867.48**	**49.58**	0.00037	17.27	0.22
U S A	7.27399	211374.83	2653.29	6.41844	89217.89	1111.38	**13.69242**	**300592.72**	**3764.67**	0.00000	0.16	0.00
Vietnam Soc Rep				0.01058	500.78	6.29	**0.01058**	**500.78**	**6.29**			
Unspecified							**0.00000**	**0.00**	**0.00**	0.00032	11.96	0.15
Total	**56.05267**	**1538399.74**	**19285.76**	**181.61524**	**2297444.02**	**28749.17**	**237.66791**	**3835843.76**	**48034.94**	**3.63164**	**135750.18**	**1688.18**

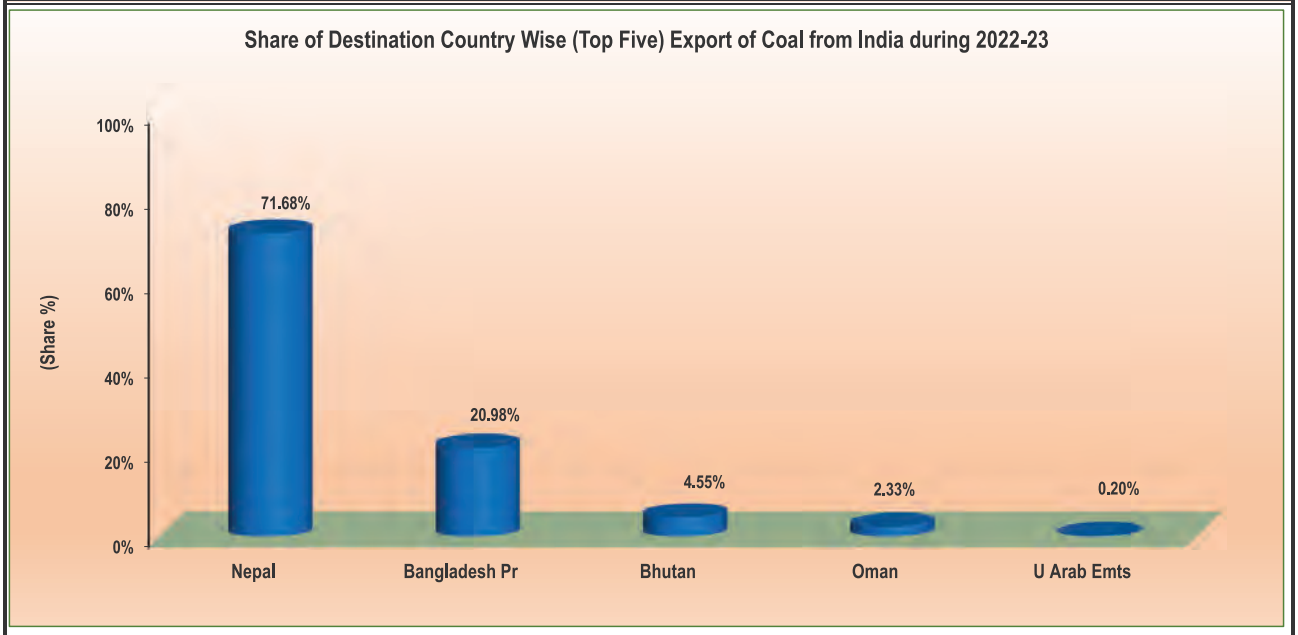


Source: DGCI & S , Kolkata

Table 8.4 : Destination Country Wise Export of Coal, Coke & Other Coal Products from India during 2022-23

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

Country	Coking Coal			Non Coking Coal			Total Coal			Coke & Coal Products		
	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Angola				0.000000	0.01	0.00	**0.000000**	**0.01**	**0.00**			
Austria				0.000000	0.00	0.00	**0.000000**	**0.00**	**0.00**			
Baharain Is				0.000247	10.73	0.13	**0.000247**	**10.73**	**0.13**			
Bangladesh Pr				0.244626	2309.98	28.40	**0.244626**	**2309.98**	**28.40**	0.013755	316.91	3.93
Belgium				0.000000	0.00		**0.000000**	**0.00**	**0.00**			
Bhutan				0.053062	541.35	6.77	**0.053062**	**541.35**	**6.77**	0.000000	0.01	0.00
Colombia							**0.000000**	**0.00**	**0.00**			
Egypt A Rp				0.000002	0.06	0.00	**0.000002**	**0.06**	**0.00**			
Ethiopia				0.000001	0.05	0.00	**0.000001**	**0.05**	**0.00**			
Germany				0.001000	90.82	1.10	**0.001000**	**90.82**	**1.10**			
Greece				0.000026	1.63	0.02	**0.000026**	**1.63**	**0.02**			
Guinea				0.000001	0.05	0.00	**0.000001**	**0.05**	**0.00**			
Indonesia							**0.000000**	**0.00**	**0.00**	0.000106	4.27	0.05
Iran				0.000000	0.00	0.00	**0.000000**	**0.00**	**0.00**			
Japan							**0.000000**	**0.00**	**0.00**	0.000000	0.00	0.00
Kuwait				0.000008	0.52	0.01	**0.000008**	**0.52**	**0.01**			
Malaysia				0.000639	21.19	0.26	**0.000639**	**21.19**	**0.26**			
Myanmar				0.000015	0.82	0.01	**0.000015**	**0.82**	**0.01**			
Nepal	0.000391	3.52	0.04	0.835460	11077.12	138.02	**0.835851**	**11080.64**	**138.06**	0.018061	228.01	2.84
Netherland							**0.000000**	**0.00**	**0.00**			
Nigeria				0.000008	0.69	0.01	**0.000008**	**0.69**	**0.01**	0.001274	34.03	0.42
Oman	0.026300	766.68	9.30	0.000888	34.30	0.42	**0.027188**	**800.97**	**9.72**			
Qatar				0.000006	0.63	0.01	**0.000006**	**0.63**	**0.01**			
Russia							**0.000000**	**0.00**	**0.00**			
Saudi Arab				0.000145	5.20	0.06	**0.000145**	**5.20**	**0.06**			
Singapore							**0.000000**	**0.00**	**0.00**			
South Africa				0.000000	0.02	0.00	**0.000000**	**0.02**	**0.00**	0.000014	1.09	0.01
Spain				0.000010	0.61	0.01	**0.000010**	**0.61**	**0.01**	0.000000	0.00	0.00
Sri Lanka Dsr				0.000175	5.17	0.07	**0.000175**	**5.17**	**0.07**	0.000813	106.13	1.31
Taiwan				0.000018	0.60	0.01	**0.000018**	**0.60**	**0.01**			
Tanzania Rep				0.000001	0.03	0.00	**0.000001**	**0.03**	**0.00**	0.000054	2.37	0.03
Thailand				0.000696	17.43	0.21	**0.000696**	**17.43**	**0.21**			
Turkey				0.000005	0.29	0.00	**0.000005**	**0.29**	**0.00**			
U Arab Emts				0.002288	111.90	1.38	**0.002288**	**111.90**	**1.38**	0.000222	7.65	0.09
U S A							**0.000000**	**0.00**	**0.00**	0.000040	2.35	0.03
Uganda				0.000001	0.05	0.00	**0.000001**	**0.05**	**0.00**			
Unspecified							**0.000000**	**0.00**	**0.00**			
Total	**0.026691**	**770.19**	**9.35**	**1.139329**	**14231.26**	**176.91**	**1.166020**	**15001.45**	**186.26**	**0.034338**	**702.81**	**8.71**



Source: DGCI & S , Kolkata

Table 8.5 : Port Wise Import of Coal, Coke & Other Coal Products to India during 2022-23

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

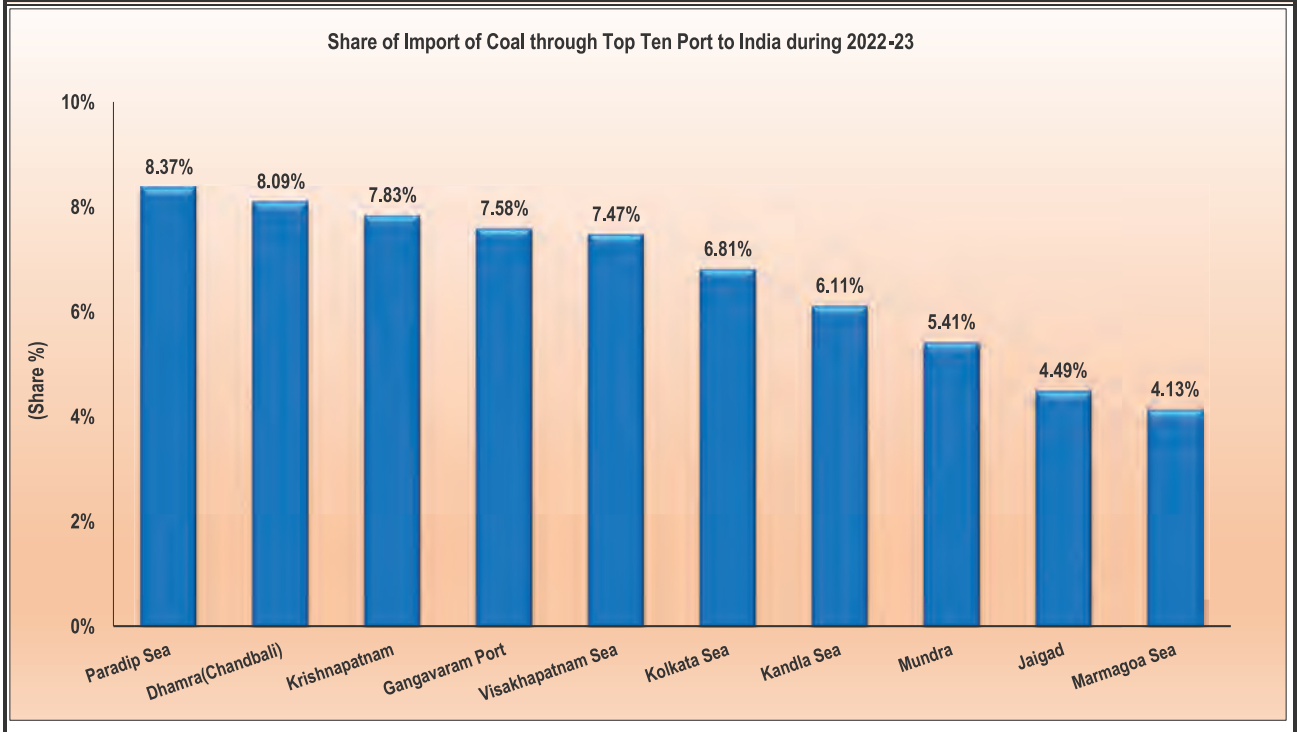
Port	Coking Coal			Non Coking Coal			Total Coal			Coke & Coal Products		
	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Adani Power Ltd Godda				0.239	3890.33	47.39	**0.239**	**3890.33**	**47.39**			
Anrak Aluminium Sez, Vizag Dc				0.113	1421.57	17.55	**0.113**	**1421.57**	**17.55**			
Appiic Multi Prod Sez Vizag Dc				0.144	1539.52	18.96	**0.144**	**1539.52**	**18.96**	0.021800	711.26	8.88
Attariroad,Amritsar				0.000	3.37	0.04	**0.000**	**3.37**	**0.04**			
Bangalore Airport	0.000	0.01	0.00	0.000	0.18	0.00	**0.000**	**0.19**	**0.00**			
Bedi Sea	0.096	1944.90	23.80	2.350	24164.39	297.86	**2.446**	**26109.30**	**321.66**			
Bhavnagar				1.819	15147.29	189.31	**1.819**	**15147.29**	**189.31**			
Chennai Sea				0.020	1277.37	16.05	**0.020**	**1277.37**	**16.05**	0.002069	90.35	1.11
Cochin Sea				0.000	14.10	0.17	**0.000**	**14.10**	**0.17**			
Concor Icd Naya Raipur				0.000	10.22	0.13	**0.000**	**10.22**	**0.13**			
Concor Icd/Mmlp Khapri Nagpur				0.004	133.66	1.64	**0.004**	**133.66**	**1.64**			
Dehej Sea				9.263	114200.75	1429.90	**9.263**	**114200.75**	**1429.90**			
Delhi Air	0.000	0.06	0.00	0.000	0.30	0.00	**0.000**	**0.36**	**0.00**	0.000002	0.34	0.00
Dhamra(Chandbali)	8.027	220330.86	2763.87	11.207	200198.53	2506.17	**19.233**	**420529.39**	**5270.04**			
Dharmatar Sea				3.070	27263.31	340.53	**3.070**	**27263.31**	**340.53**			
Dighi Port Mumbai				0.120	1253.25	15.59	**0.120**	**1253.25**	**15.59**			
Ennore Sea	1.885	51332.08	639.12	7.213	84685.99	1061.85	**9.099**	**136018.07**	**1700.97**			
Gangavaram Port	5.654	161973.03	2026.57	12.362	162755.09	2045.22	**18.017**	**324728.12**	**4071.78**	0.097475	3786.25	47.70
Gopalpur Port	0.151	3814.29	48.81	1.400	25057.61	313.92	**1.551**	**28871.89**	**362.73**			
Hazira Port, Surat				6.589	56888.26	711.89	**6.589**	**56888.26**	**711.89**			
Hetero Infra Sez Nakkapalli Ap				0.046	377.09	4.65	**0.046**	**377.09**	**4.65**			
Htpl Kilaraipur Icd				0.000	5.91	0.07	**0.000**	**5.91**	**0.07**			
Hyderabad Airport							**0.000**	**0.00**	**0.00**	0.000002	0.20	0.00
Icd Apm Bhamboli Khed				0.004	208.40	2.54	**0.004**	**208.40**	**2.54**			
Icd Bangalore				0.000	1.14	0.01	**0.000**	**1.14**	**0.01**			
Icd Borkhedi				0.000	1.07	0.01	**0.000**	**1.07**	**0.01**			
Icd Chowpayal				0.001	32.97	0.40	**0.001**	**32.97**	**0.40**			
Icd Concor Jharsuguda							**0.000**	**0.00**	**0.00**			
Icd Dhandari Kalan, Pswc				0.000	2.76	0.04	**0.000**	**2.76**	**0.04**			
Icd Jajpur				0.002	52.42	0.64	**0.002**	**52.42**	**0.64**			
Icd Kanakpura				0.001	8.39	0.10	**0.001**	**8.39**	**0.10**			
Icd Ludhiana				0.001	49.27	0.62	**0.001**	**49.27**	**0.62**			
Icd Maliwada							**0.000**	**0.00**	**0.00**	0.000500	9.80	0.12
Icd Patli							**0.000**	**0.00**	**0.00**	0.000150	4.28	0.06
Icd Sahnewal, Grfl				0.002	79.18	0.98	**0.002**	**79.18**	**0.98**			
Icd Sonipat				0.000	6.10	0.07	**0.000**	**6.10**	**0.07**	0.000152	3.28	0.04
Jaigad	5.229	143483.49	1801.55	5.435	72507.62	904.09	**10.664**	**215991.10**	**2705.64**			
Jaigaon							**0.000**	**0.00**	**0.00**	0.000420	16.31	0.21
Jakhav				0.082	1009.87	12.30	**0.082**	**1009.87**	**12.30**			
Kakinada Sea	0.540	16374.57	207.02	1.754	22702.31	283.66	**2.294**	**39076.88**	**490.69**			
Kandla Sea	0.682	19879.09	249.13	13.832	171348.95	2139.39	**14.514**	**191228.05**	**2388.52**	0.128333	5405.22	67.13
Karikal				3.150	28984.58	361.72	**3.150**	**28984.58**	**361.72**			
Kodinar Sea				0.494	4548.45	55.19	**0.494**	**4548.45**	**55.19**			
Kolkata Air				0.000	0.39	0.00	**0.000**	**0.39**	**0.00**			
Kolkata Sea	9.763	267701.97	3350.19	6.411	106874.64	1328.90	**16.174**	**374576.61**	**4679.10**	0.601044	20694.79	255.43
Kribho Infra Ltd.Icd (Haryana)				0.000	1.14	0.01	**0.000**	**1.14**	**0.01**			
Krishnapatnam	2.468	67781.55	850.77	16.150	176884.76	2212.95	**18.618**	**244666.30**	**3063.72**	0.015000	565.24	7.05
M/S Ndr Infra Pvt. Ltd.				0.001	36.44	0.44	**0.001**	**36.44**	**0.44**			
Magdalla Port Sea	0.296	5815.50	71.40	7.505	89910.97	1125.53	**7.801**	**95726.47**	**1196.94**	1.220097	48871.62	609.81

Contd.....

Table 8.5 : Port Wise Import of Coal, Coke & Other Coal Products to India during 2022-23

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

Port	Coking Coal			Non Coking Coal			Total Coal			Coke & Coal Products		
	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Marmagoa Sea	5.704	139207.99	1742.33	4.109	69508.26	869.96	**9.813**	**208716.25**	**2612.29**	0.303088	13523.44	169.73
Mumbai Air	0.000	0.27	0.00	0.000	0.64	0.01	**0.000**	**0.91**	**0.01**	0.000001	0.75	0.01
Mumbai Sea				2.234	30643.92	384.85	**2.234**	**30643.92**	**384.85**			
Mundra	0.537	16694.72	210.61	12.325	165132.74	2079.57	**12.862**	**181827.45**	**2290.18**			
Nagpur Air							**0.000**	**0.00**	**0.00**	0.000000	0.11	0.00
Navlakhi				8.347	63558.27	795.33	**8.347**	**63558.27**	**795.33**			
Newmangalore Sea	0.683	16537.46	206.45	3.945	54632.59	684.74	**4.628**	**71170.04**	**891.19**	0.249793	9107.75	113.26
Nhava Sheva Sea				1.151	9642.10	120.03	**1.151**	**9642.10**	**120.03**	0.011949	275.42	3.41
Okha	0.057	1611.48	20.34	1.080	12524.75	156.01	**1.137**	**14136.23**	**176.35**	0.014539	529.90	6.44
Paradip Sea	9.713	267541.08	3358.64	10.180	173575.79	2168.06	**19.893**	**441116.87**	**5526.70**	0.415482	12761.74	157.49
Parri Infra Co Pvt Ltd				0.165	1048.87	13.19	**0.165**	**1048.87**	**13.19**			
Pipavab(Vicyor)	0.015	341.51	4.26	0.896	13579.49	170.18	**0.911**	**13921.00**	**174.44**	0.039700	1298.81	16.08
Porbandar				0.110	1140.64	13.84	**0.110**	**1140.64**	**13.84**			
Ranpar				0.116	987.21	12.02	**0.116**	**987.21**	**12.02**			
Revdanda				0.091	1038.26	13.10	**0.091**	**1038.26**	**13.10**			
Salaya				1.653	17592.79	218.90	**1.653**	**17592.79**	**218.90**			
Saraf Agencies Pvt Ltd				0.004	73.80	0.89	**0.004**	**73.80**	**0.89**			
Sez Dahej				0.005	46.23	0.60	**0.005**	**46.23**	**0.60**			
Sez Jamnagar (Reliance)				0.230	3259.96	40.15	**0.230**	**3259.96**	**40.15**			
Sez Mundra				4.933	72304.46	911.92	**4.933**	**72304.46**	**911.92**			
Tuticorin Sea				6.061	56055.75	700.05	**6.061**	**56055.75**	**700.05**			
Visakhapatnam Sea	4.552	136033.84	1710.89	13.197	155557.60	1947.26	**17.748**	**291591.44**	**3658.15**	0.506770	18051.19	223.71
Visakhapatnam Spl Economic Zon							**0.000**	**0.00**	**0.00**	0.003270	42.11	0.52
Total	**56.053**	**1538399.74**	**19285.76**	**181.615**	**2297444.02**	**28749.17**	**237.668**	**3835843.76**	**48034.94**	**3.631636**	**135750.18**	**1688.18**



Source: DGCI & S , Kolkata

Table 8.6 : Port Wise Export of Coal, Coke & Other Coal Products from India during 2022-23

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

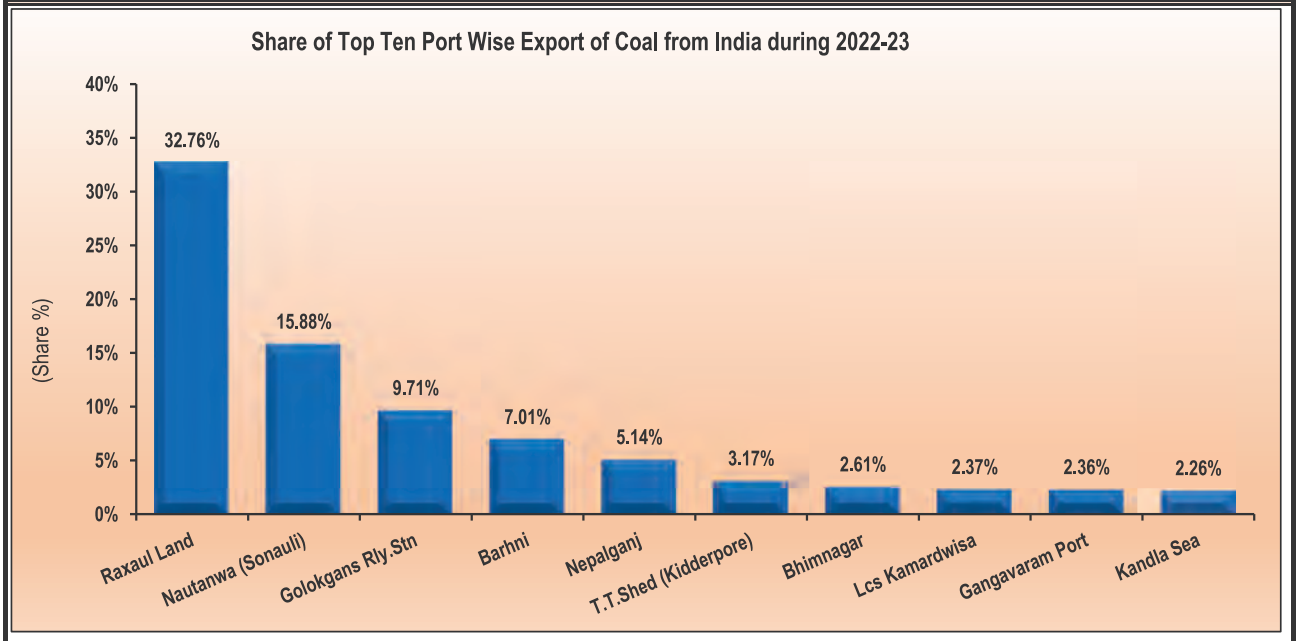
Port	Coking Coal			Non Coking Coal			Total Coal			Coke & Coal Products		
	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Ahmedabad Air Cargo Complex				0.00000	0.02	0.00	**0.00000**	**0.02**	**0.00**			
Bairgania				0.02061	196.57	2.40	**0.02061**	**196.57**	**2.40**			
Banbasa,Champawat/Uttarakhand				0.00006	0.64	0.01	**0.00006**	**0.64**	**0.01**			
Bangalore Airport				0.00000	0.00	0.00	**0.00000**	**0.00**	**0.00**			
Barhni				0.08175	1088.87	13.52	**0.08175**	**1088.87**	**13.52**	0.00008	1.86	0.02
Bhimnagar	0.00002	0.34	0.00	0.03036	292.47	3.60	**0.03039**	**292.81**	**3.60**	0.00001	0.07	0.00
Bhithamore	0.00029	2.32	0.03	0.01799	251.71	3.15	**0.01827**	**254.03**	**3.18**	0.00003	0.28	0.00
Borsorah				0.02401	170.41	2.24	**0.02401**	**170.41**	**2.24**			
Chennai Air				0.00000	0.00	0.00	**0.00000**	**0.00**	**0.00**			
Chennai Sea				0.00003	2.19	0.03	**0.00003**	**2.19**	**0.03**			
Concor Icd/Mmlp Khapri Nagpur				0.00006	2.14	0.03	**0.00006**	**2.14**	**0.03**			
Dalu				0.00103	9.98	0.12	**0.00103**	**9.98**	**0.12**			
Darranga (Rangia)				0.01361	187.57	2.33	**0.01361**	**187.57**	**2.33**			
Delhi (Icd)				0.00000	0.11	0.00	**0.00000**	**0.11**	**0.00**			
Delhi Air				0.00000	0.00	0.00	**0.00000**	**0.00**	**0.00**	0.00000	0.00	0.00
Dhubristeamer Ghat				0.00225	22.05	0.27	**0.00225**	**22.05**	**0.27**			
Gangavaram Port				0.02750	290.72	3.53	**0.02750**	**290.72**	**3.53**			
Ghasuapara				0.01949	257.92	3.14	**0.01949**	**257.92**	**3.14**			
Golokgans Rly.Stn				0.11327	1041.00	12.77	**0.11327**	**1041.00**	**12.77**			
Gouriphanta				0.00280	31.13	0.38	**0.00280**	**31.13**	**0.38**	0.00040	1.19	0.01
Hazira Port, Surat				0.00003	1.50	0.02	**0.00003**	**1.50**	**0.02**			
Hili (West)				0.00015	1.16	0.01	**0.00015**	**1.16**	**0.01**			
Icd Hyderabad				0.00001	1.36	0.02	**0.00001**	**1.36**	**0.02**			
Icd Sabarmati				0.00002	1.01	0.01	**0.00002**	**1.01**	**0.01**			
Jaigaon				0.00000	0.02	0.00	**0.00000**	**0.02**	**0.00**	0.00000	0.01	0.00
Jogbani				0.02237	284.69	3.48	**0.02237**	**284.69**	**3.48**	0.00195	23.33	0.29
Joynagar				0.00006	1.01	0.01	**0.00006**	**1.01**	**0.01**			
Kandla Sea	0.02630	766.68	9.30				**0.02630**	**766.68**	**9.30**			
Kolkata Air				0.00000	0.02	0.00	**0.00000**	**0.02**	**0.00**	0.00000	0.00	0.00
Kolkata Sea				0.00100	90.82	1.10	**0.00100**	**90.82**	**1.10**	0.00001	1.09	0.01
Kotwaligate (Mohedipur)				0.00021	1.55	0.02	**0.00021**	**1.55**	**0.02**			
L C S Khunwa				0.00039	3.81	0.05	**0.00039**	**3.81**	**0.05**	0.00003	0.33	0.00
Laukaha, Madhubani				0.00015	1.95	0.02	**0.00015**	**1.95**	**0.02**			
Lcs Birpara Alipurduar				0.01180	64.39	0.78	**0.01180**	**64.39**	**0.78**			

Contd....

Table 8.6 : Port Wise Export of Coal, Coke & Other Coal Products from India during 2022-23

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

Port	Coking Coal			Non Coking Coal			Total Coal			Coke & Coal Products		
	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Lcs Kamardwisa				0.02765	289.37	3.66	**0.02765**	**289.37**	**3.66**			
Mumbai Air				0.00000	0.00		**0.00000**	**0.00**	**0.00**			
Mundra				0.00293	133.51	1.65	**0.00293**	**133.51**	**1.65**	0.00158	47.60	0.58
Nautanwa (Sonauli)	0.00003	0.28	0.00	0.18518	2426.02	30.41	**0.18521**	**2426.29**	**30.41**	0.00080	17.12	0.21
Nepalganj	0.00005	0.58	0.01	0.05990	795.44	9.86	**0.05995**	**796.02**	**9.86**	0.00029	4.11	0.05
Nhava Sheva Sea				0.00011	8.13	0.10	**0.00011**	**8.13**	**0.10**	0.00013	4.31	0.05
Nirmali/Kanauli				0.00000	0.02	0.00	**0.00000**	**0.02**	**0.00**			
Panitanki				0.00528	80.83	0.98	**0.00528**	**80.83**	**0.98**	0.00730	62.63	0.80
Petrapole Land				0.00510	86.78	1.06	**0.00510**	**86.78**	**1.06**	0.00169	48.69	0.60
Pipraun				0.00450	63.92	0.78	**0.00450**	**63.92**	**0.78**			
Sonbarsa				0.01996	190.07	2.35	**0.01996**	**190.07**	**2.35**			
Sutarkandi				0.01464	136.70	1.66	**0.01464**	**136.70**	**1.66**			
T.T.Shed (Kidderpore)				0.03694	289.72	3.55	**0.03694**	**289.72**	**3.55**	0.01207	268.22	3.33
Tikunia				0.00017	1.53	0.02	**0.00017**	**1.53**	**0.02**			
Toothibari, Maharajganj				0.00194	18.62	0.23	**0.00194**	**18.62**	**0.23**	0.00038	3.16	0.04
Tuticorin Sea							**0.00000**	**0.00**	**0.00**	0.00079	104.90	1.30
Visakhapatnam Sea				0.00204	64.00	0.78	**0.00204**	**64.00**	**0.78**			
Raxaul Land				0.38198	5347.82	66.78	**0.38198**	**5347.82**	**66.78**	0.00678	113.92	1.41
Unspecified							**0.00000**	**0.00**	**0.00**			
Total	**0.02669**	**770.19**	**9.35**	**1.13933**	**14231.26**	**176.91**	**1.16602**	**15001.45**	**186.26**	**0.03434**	**702.81**	**8.71**



Source: DGCI & S , Kolkata

Table 8.7 : Month Wise Import of Coal, Coke & Other Coal Products to India during 2022-23

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

Month	Coking Coal			Non Coking Coal			Total Coal			Coke & Coal Products		
	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
April	4.836	171168.82	2247.26	14.463	190382.12	2499.51	**19.299**	**361550.93**	**4746.77**	0.312	13441.57	176.47
May	5.045	195888.83	2533.50	15.602	214343.13	2772.18	**20.646**	**410231.95**	**5305.69**	0.178	7563.11	97.82
June	5.295	195332.71	2501.87	21.860	321380.00	4116.32	**27.154**	**516712.71**	**6618.19**	0.223	9890.78	126.68
July	3.817	126952.94	1594.85	19.300	270005.02	3391.95	**23.118**	**396957.96**	**4986.81**	0.337	15326.97	192.55
August	5.273	133310.44	1675.70	16.491	218503.03	2746.57	**21.763**	**351813.48**	**4422.27**	0.208	9306.64	116.98
September	4.440	92558.54	1153.64	15.444	183135.21	2282.58	**19.884**	**275693.75**	**3436.22**	0.187	6839.57	85.25
October	4.594	98142.14	1191.91	12.535	150393.55	1826.49	**17.129**	**248535.69**	**3018.40**	0.317	11269.22	136.86
November	4.951	112929.33	1380.38	13.857	176747.18	2160.45	**18.808**	**289676.52**	**3540.82**	0.526	17885.76	218.62
December	4.957	114031.36	1382.80	13.105	145584.01	1765.42	**18.063**	**259615.37**	**3148.22**	0.365	12124.14	147.02
January	4.565	98388.49	1201.33	9.825	109438.75	1336.26	**14.391**	**207827.25**	**2537.59**	0.221	6704.99	81.87
February	4.076	90670.35	1097.59	13.674	155457.97	1881.86	**17.749**	**246128.31**	**2979.46**	0.380	12407.02	150.19
March	4.204	109025.79	1324.92	15.460	162074.05	1969.58	**19.664**	**271099.84**	**3294.50**	0.379	12990.40	157.86
Total	**56.053**	**1538399.74**	**19285.76**	**181.615**	**2297444.02**	**28749.17**	**237.668**	**3835843.76**	**48034.94**	**3.632**	**135750.18**	**1688.18**

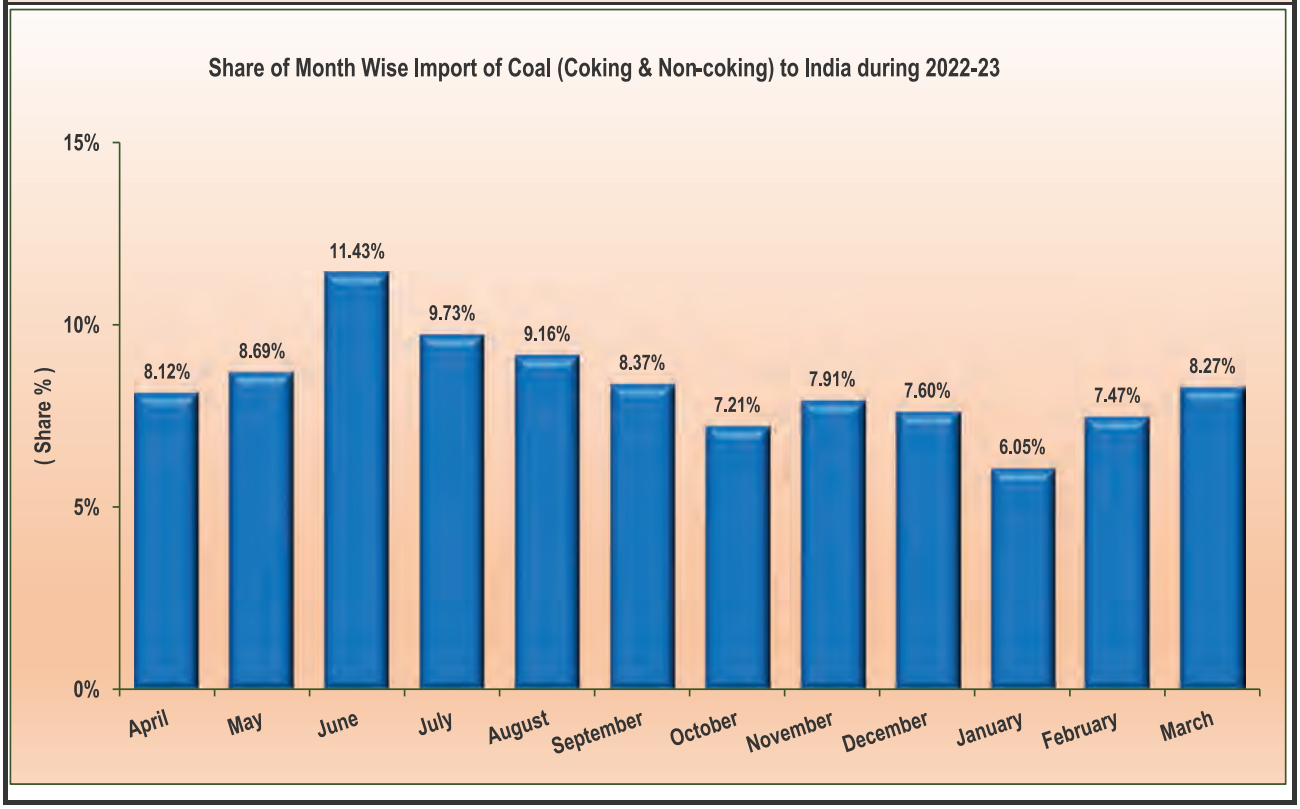
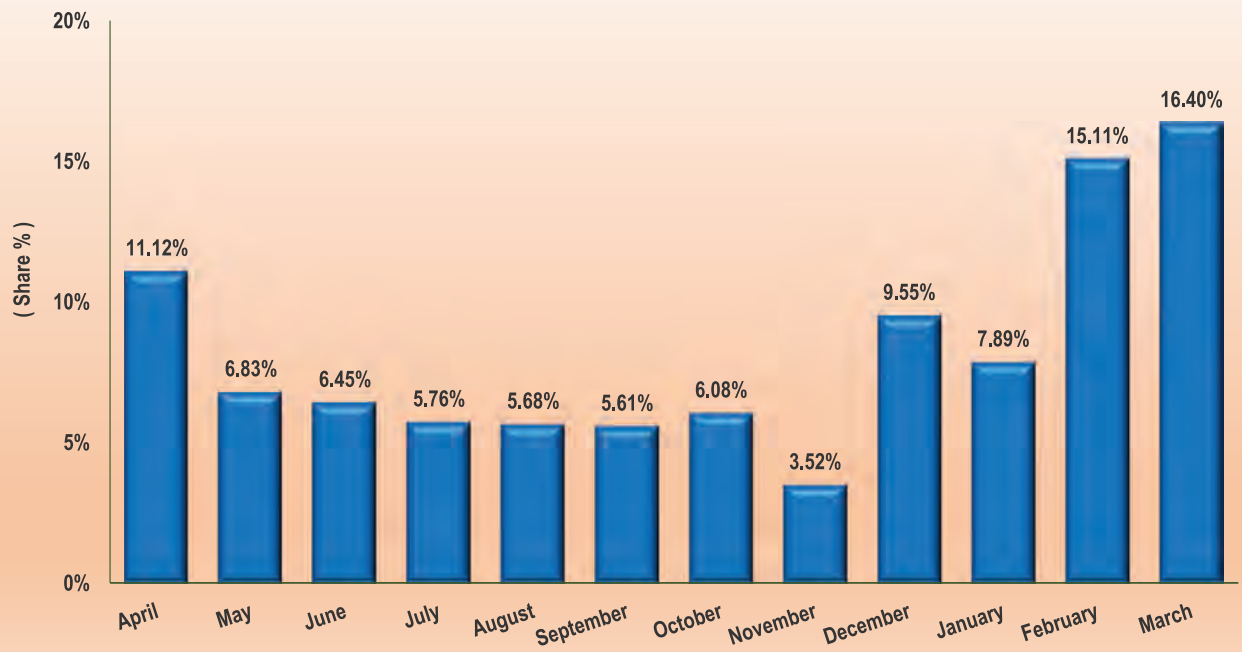


Table 8.8 : Month Wise Export of Coal, Coke & Other Coal Products from India during 2022-23

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

Month	Coking Coal			Non Coking Coal			Total Coal			Coke & Coal Products		
	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)	Qty.	Value (Rs)	Value ($)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
April	0.00000	0.00	0.00	0.12969	1405.11	18.45	**0.12969**	**1405.11**	**18.45**	0.00330	37.32	0.49
May	0.00000	0.00	0.00	0.07958	1054.89	13.64	**0.07958**	**1054.89**	**13.64**	0.00187	26.40	0.34
June	0.00000	0.00	0.00	0.07522	1095.00	14.03	**0.07522**	**1095.00**	**14.03**	0.00277	33.17	0.42
July	0.00007	0.92	0.01	0.06705	967.49	12.15	**0.06712**	**968.40**	**12.17**	0.00263	46.34	0.58
August	0.00000	0.00	0.00	0.06624	972.81	12.23	**0.06624**	**972.81**	**12.23**	0.00466	88.79	1.12
September	0.00000	0.00	0.00	0.06538	930.04	11.59	**0.06538**	**930.04**	**11.59**	0.00296	98.71	1.23
October	0.02030	594.94	7.23	0.05057	675.76	8.21	**0.07087**	**1270.69**	**15.43**	0.00131	21.94	0.27
November	0.00000	0.00	0.00	0.04107	504.56	6.17	**0.04107**	**504.56**	**6.17**	0.00252	104.78	1.28
December	0.00000	0.00	0.00	0.11136	1469.25	17.82	**0.11136**	**1469.25**	**17.82**	0.00468	104.89	1.27
January	0.00000	0.00	0.00	0.09203	1080.66	13.19	**0.09203**	**1080.66**	**13.19**	0.00156	23.22	0.28
February	0.00603	171.98	2.08	0.17019	1931.58	23.38	**0.17622**	**2103.56**	**25.46**	0.00300	59.23	0.72
March	0.00029	2.36	0.03	0.19095	2144.12	26.06	**0.19124**	**2146.48**	**26.08**	0.00307	58.02	0.71
Total	**0.02669**	**770.19**	**9.35**	**1.13933**	**14231.26**	**176.91**	1.16602	15001.45	186.26	**0.03434**	**702.81**	**8.71**

Share of Month Wise Export of Coal (Coking & Non-coking) from India during 2022-23



09. WASHERY PERFORMANCE

Section IX

Washery Performance

9.1 Performance of Coal Washeries in India

9.1.1 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.

9.1.2 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.

9.1.3 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.

9.1.4 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.

9.1.5 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.

9.2 Contribution of Coal Washeries

9.2.1 We have already explained the role of washeries in coal industry. Table 9.1 provides data on coking coal washeries in India in 2022-23.

9.2.2 Table 9.1 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 2020-21, 2021-22 and 2022-23 having washed coking coal production of 4.903, MT, 4.701 MT and 5.310 MT respectively. The corresponding yield percentages were 50.90%, 43.79% and 38.04% respectively.

9.2.3 Table 9.2 provides details of coal washeries in public sector and private sector and their installed capacities. It may be seen that the total capacity of the coal washeries was 214.02 MTPA.

Table 9.1 : Coking Coal Washery Performance in last Three Years

(Qty. in MT)

Year	Owner Company	Raw Coal Feed	Washed Coal Production	Normative Yield (%)
(1)	(2)	(3)	(4)	(5)
2022-23	BCCL	4.420	1.434	32.44
	CCL	2.580	0.721	27.95
	Total CIL	**7.000**	**2.155**	**30.79**
	SAIL	0.986	0.620	62.88
	Total Public	**7.986**	**2.775**	**34.75**
	TSL (Private)	5.972	2.535	42.45
	Total Private	**5.972**	**2.535**	**42.45**
	Grand Total	**13.958**	**5.310**	**38.04**
2021-22	BCCL	3.570	1.209	33.87
	CCL	1.212	0.401	33.09
	Total CIL	**4.782**	**1.610**	**33.67**
	SAIL	0.986	0.478	48.48
	Total Public	**5.768**	**2.088**	**36.20**
	TSL (Private)	4.967	2.613	52.61
	Total Private	**4.967**	**2.613**	**52.61**
	Grand Total	**10.735**	**4.701**	**43.79**
2020-21	BCCL	1.135	0.750	66.08
	CCL	1.515	0.437	28.84
	Total CIL	**2.650**	**1.187**	**44.79**
	SAIL	1.061	0.597	56.27
	Total Public	**3.711**	**1.784**	**48.07**
	TSL (Private)	5.920	3.119	52.69
	Total Private	**5.920**	**3.119**	**52.69**
	Grand Total	**9.631**	**4.903**	**50.91**

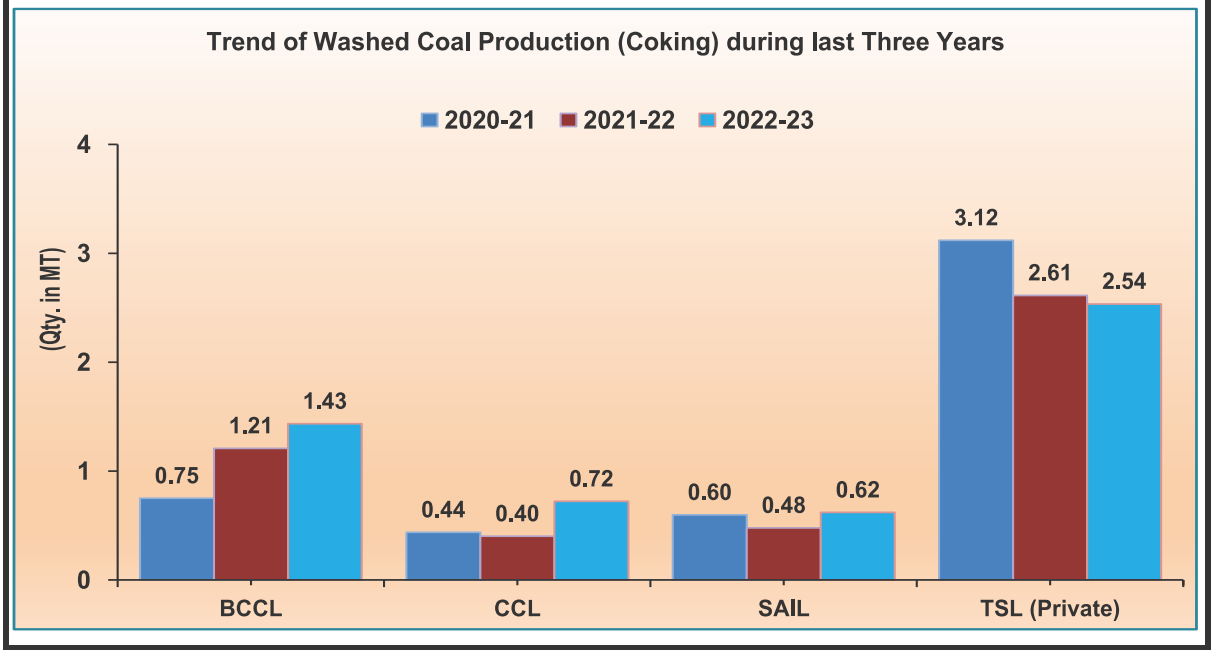


Table 9.2 : Coal Washeries in India during 2022-23

Sl.No.	Name of Washery	Owner Company	State	Location/ Coal field	Raw Coal Capacity (MTPA)
(1)	(2)	(3)	(4)	(5)	(6)
1	ACB (India)Ltd ,Chakabura washery	Aryan Coal Benefication (India) Ltd.	Chhattisgarh	Chakabura,PO-Janwahi,Dist-Korba	7.50
2	ACB (India)Ltd, Dipka washery			Dipka,PO-Gevra,Dist-Gevra	14.00
3	ACB (India)Ltd.,Gevra washery			Gevra,PO-Gevra,Dist-Gevra	6.25
4	Maruti Clean Coal and Power Ltd.(MPPCL), Ratija washery			Vill-Ratija,Po-Nonbira, Tahsil-Pali,Dist-Korba	6.60
5	ACB (India) Ltd,Ratija washery (formerly Spectrum Coal & Power Ltd.)			Ratija,PO-Katghora,Dist-Korba	11.00
6	ACB (India)Ltd, Binjhari washery			Post-Gevra,Dist.-Korba,C.G.	4.80
7	ACB(India) Ltd,Renki washery (formerly S.V.Power Pvt Ltd.)			Vill-Renki, Tehsil- Pali, dist.-Korba,C.G.	2.50
8	Chattisgarh Power & Coal Benefication Ltd.	CPCBL		Sirgitti Industrial Area, Bilaspur,C.G.	1.25
9	Hind Energy & Coal Benefication (India) Ltd,Baloda	Hind Energy & Coal Benefication (India)		Vill- Birghani,Tehsil-Baloda, Dist-Janjgir,Champa	0.96
10	Hind Energy & Coal Benefication (India) Ltd.,Gatora			Vill-Gatora,Tehsil-Masturi, Dist-Bilaspur	0.96
11	Hind Energy & Coal Benefication (India) Ltd.,Hindadih			Hindadih,Dist- Bilaspur	3.60
12	Hind Energy & Coal Benefication (India) Ltd			Tehsill-Baloda,Dist-Janjgir Champa	0.96
13	Clean Coal Enterprises Pvt. Ltd.,Baloda			Tehsil-Baloda,Dist-Janjgir,Champa	0.90
14	Clean Coal Enterprises Pvt. Ltd.,Gatora			Vill-Gatora,Tehsil-Masturi, Dist-Bilaspur	0.96
15	Hind Multi Services Private Limited,Gatora			Vill-Gatora,Tehsil-Masturi, Dist-Bilaspur	2.50
16	Jindal Power Ltd, Coal washery	Jindal		At & PO-Libra,Tamnar,Raigarh	4.75
17	Jindal Power Ltd, (Coal washery No.-2)			Vill.-Dongamouha, PO-Dhorabhata, Tamnar,Dist.-Raigarh	3.20
18	Jindal Power Ltd, (Coal washery No.-3)			Vill.-Dongamouha, PO-Dhorabhata, Tamnar,Dist.-Raigarh	3.60
19	Sambhavi and Coal Benefication Pvt. Ltd.,Gatora	KJSL		Gatoura,Ratnapur,Bilaspur	0.90
20	Bhatia Energy Ranjan Coal washery,Kharsia			Vill-Dehjan,Kharsia,Dist-Raigarh	0.90
21	KJSL Coal & Power Pvt. Ltd.(Dipka Gevra)			Dhatura,Dipka-Seepat Road,Dist.-Korba	4.10
22	K L Energy & Coal Beneficiation Pvt. Ltd.			Vill-Dehjan, Kharsia, Dist-Raigarh	0.90
23	Mahavir Coal Washeries Pvt. Ltd., Baloda (Unit I)	Mahavir Coal Washeries Pvt. Ltd.		Vill-Bhelai,PO-Baloda, Dist-Janjgir,Champa	0.95
24	Mahavir Coal Washeries Pvt. Ltd,Baloda. (Unit II)			Vill-Bhelai, PO-Baloda Dist-Janjgir,Champa	0.96
25	Mahavir Coal Washeries Pvt. Ltd.,Sakri Belmundi			Belmundi ,Tehsil-Pakhpur,Dist-Bilaspur	0.95
26	Paras Power & Coal Benefication Ltd., Ghutku	Paras Power & Coal beneficiation		Uslapur	0.96
27	Paras Power & Coal Benefication Ltd., Ghutku			Uslapur	2.50
28	Phil Coal Benefication Pvt. Ltd, Ghutku washery	Phil Coal		Vill-Ghutku, Dist-Bilaspur	2.50
29	Phil Coal Benefication Pvt. Ltd, Tenda Washery			Vill.-Tenda,Nawapad,Dist.-Raigarh	0.90
30	Parsa East and Kanta Basan Coal washery	RRVUNL		Parsa Kanta Collieries,Vill-Parsa, Dist-Surguja	15.00
31	SEML-Gare Palma IV/1, Karwahi	Sarda Energy and Minerals Ltd.		Dholnara,Tamnar,Raigarh,C.G.	0.96
32	Dugda	Bharat Coking Coal Ltd.	Jharkhand	Jharia	2.00
33	Sudamdih			Jharia	1.60

Contd.....

Table 9.2 : Coal Washeries in India during 2022-23

Sl.No.	Name of Washery	Owner Company	State	Location/ Coal field	Raw Coal Capacity (MTPA)
(1)	(2)	(3)	(4)	(5)	(6)
34	Moonidih	Bharat Coking Coal Ltd.	Jharkhand	Jharia	1.60
35	Mahuda			Jharia	0.63
36	Madhuband			Jharia	2.50
37	Patherdih Old			Dhanbad	1.60
38	Patherdih NLW			Dhanbad	5.00
39	Dahibari			Dhanbad	1.60
40	Piparwar Washery	Central Coalfields Ltd.		Chatra	6.50
41	Kathara			Bokaro	3.00
42	Rajrappa			Ramgarh	3.00
43	Sawang			Bokaro	0.75
44	Kedla			Ramgarh	2.60
45	Monnet Daniels Coal washery Ltd.	Monnet Daniels Coal washery Ltd.		Ranchi	3.50
46	Chasnala	Steel Authority of India Ltd.		Dhanbad	2.04
47	W.Bokaro-II	Tata Steel Ltd.		Ramgarh	2.50
48	W.Bokaro-III			Ramgarh	4.50
49	Jamadoba			Jamadoba	2.00
50	Bhelatand			Bhelatand	1.50
51	Nandan	Western Coalfield Ltd.	Madhya Pradesh	Chhindwara	1.20
52	ACB(India) Ltd,Pandharpouni washery	Aryan Coal Benefication (India) Ltd.	Maharashtra	Chandrapur	2.62
53	Kartikay Coal washery Pvt. Ltd,Wani washery			Yavatmal	2.50
54	Hind Maha Mineral LLP,Gondegaon washery	Hind Maha Mineral LLP		Nagpur	2.40
55	Hind Maha Mineral LLP,Ghugus washery			Chandrapur	2.40
56	Hind Maha Mineral LLP,Pimpalgaon washery			Yavatmal	2.40
57	Rukhmai Coal Washery LLP, Nimbala Washery (Formerly M/s Bhatia Coal Washery Ltd.)	Rukhmai infrastructure pvt. Ltd.		Yavatmal	3.73
58	Indo Unique Flame Ltd,Punwat				2.40
59	Maha Mineral & Beneficiation Pvt. Ltd.				2.40
60	ALPS	ALPS	Odisha	Jharsuguda	2.00
61	Aryan Energy Pvt. Ltd.,Talcher	Aryan Coal Benefication (India) Ltd.		Angul	2.34
62	ACB (india) Ltd,Talcher Unit.			Angul	7.00
63	Aryan Ispat and Power Pvt Ltd.			Sambalpur	0.70
64	Hemgir			Sundergarh	5.00
65	Global Coal & Mining Pvt. Ltd.,Talcher Unit	GCMPL		Angul	4.00
66	Global Coal & Mining Pvt. Ltd.,Jharsuguda Unit, IB Valley	GCMPL		Jharsuguda	4.00
67	Utkal Energy Ltd.	Utkal		Angul	1.08
68	Manuguru Washery, SCCL (Through Global Coal & Mining Pvt. Ltd. Manuguru)	Singareni Collieries Company Ltd.	Telangana	Bhadradri-Kothagudem	0.96
69	Bina Deshaling Plant	Northen Coalfield Ltd.	Uttar Pradesh	Sonebhadra	4.50
70	Bhojudih	Bharat Coking Coal Ltd.	West Bengal	Jharia	1.70
71	Sarshatali Coal Washery	CESC Ltd.		Paschim Bardhaman	1.50

10. CAPTIVE COAL BLOCKS

Section X

Captive Coal Blocks & Lignite Blocks

Captive Coal & Lignite Blocks

10.1.1 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.

10.1.2 Further, allocation of 10 coal blocks of UMPP were cancelled. As on March, 2022, 02 coal blocks allocated through earlier dispensations stand allocated.

10.1.3 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.

10.1.4 As on 31.03.2023, the number of coal blocks that exist is 141 (vested/ allotted - 109 + Custodian – 04 + Under MMDR act – 24 + Blocks not cancelled - 4).

10.1.5 The number of lignite blocks that stands allocated as on 31.03.2023, is 25.

Table 10.1 : Coal Blocks Allocated/Vested under CM(SP) Act and MMDR Act & Lignite Blocks upto 2022-23 (Except CIL as Custodian)

Sector	End-use	No. of Blocks	Geological/Extractable Reserve (Qty. in MT)
(1)	(2)	(3)	(4)
Coal Blocks :			
Public Sector Undertakings	Power	45	10209.77
	Commercial Mining	17	2621.17
	NRS	3	267.68
	UMPP	2	334
	Total	**67**	**13432.39**
Private Companies	Power	4	180.38
	Commercial Mining	46	10357.85
	NRS	20	676.35
	UMPP	0	0.00
	Total	**70**	**11214.58**
All India	**Power**	**49**	**10390.15**
	Commercial Mining	**63**	**12979.02**
	NRS	**23**	**944.03**
	UMPP	**2**	**333.77**
	Total	**137**	**24646.97**
Lignite Blocks :			
State PSU	Power	12	1093.94
	Commercial	11	408.93
	Total	**23**	**1502.87**
Private	Power	1	44.66
	Commercial	1	7.80
	Total	**2**	**52.46**
All India	**Power**	**13**	**1138.60**
	Commercial	**12**	**416.73**
	Grand Total	**25**	**1555.33**

Table 10.2 : Year Wise and Sector Wise Captive Coal Blocks Allocated/Vested including Blocks Allotted under MMDR Act upto 2022-23 (Except CIL as Custodian)

(GR in MT)

Year of Allotment	Power		UMPP		NRS		Government Commmercial		Private Commercial		Total	
	Number of Coal Blocks	Geological/ Extractable Reserve	Number of Coal Blocks	Geological/ Extractable Reserve	Number of Coal Blocks	Geological/ Extractable Reserve	Number of Coal Blocks	Geological/ Extractable Reserve	Number of Coal Blocks	Geological/ Extractable Reserve	Number of Coal Blocks	Geological/ Extractable Reserve
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1995-96					1	96.31					1	96.31
1997-98											0	0.00
2003-04	1	607.81									1	607.81
2005-06			2	333.77							2	333.77
2006-07			0	0.00							0	0.00
2007-08			0	0.00							0	0.00
2008-09			0	0.00							0	0.00
2009-10			0	0.00							0	0.00
2014-15	21	1397.16	0.0	0.00	7	157.41	0	0.00	0.000	0.00	28	1554.57
2015-16	19	5237.73	0	0.00	8	157.92	0	0.00	0.000	0.00	27	5395.65
2016-17	4	1358.21	0	0.00	3	172.69	4	566.47	0.000	0.00	11	2097.37
2017-18	1	1198.31	0	0.00	0	0.00	2	251.30	0.000	0.00	3	1449.61
2018-19	0	0.00	0	0.00	0	0.00	3	824.90	0.000	0.00	3	824.90
2019-20	3	590.93	0	0.00	4	359.70	1	337.00	0.000	0.00	8	1287.63
2020-21	0	0.00	0	0.00	0	0.00	3	66.60	16	2797.53	19	2864.13
2021-22	0	0.00	0	0.00	0	0.00	2	573.85	10	2528.49	12	3102.34
2022-23	0	0.00	0	0.00	0	0.00	2	1.05	20	5031.83	22	5032.88
Total	**49**	**10390.15**	**2**	**333.77**	**23**	**944.03**	**17**	**2621.17**	**46**	**5031.83**	**137**	**24646.97**

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

Share (%) of Sector Wise Allotment of Captive Coal Blocks upto 2022-23

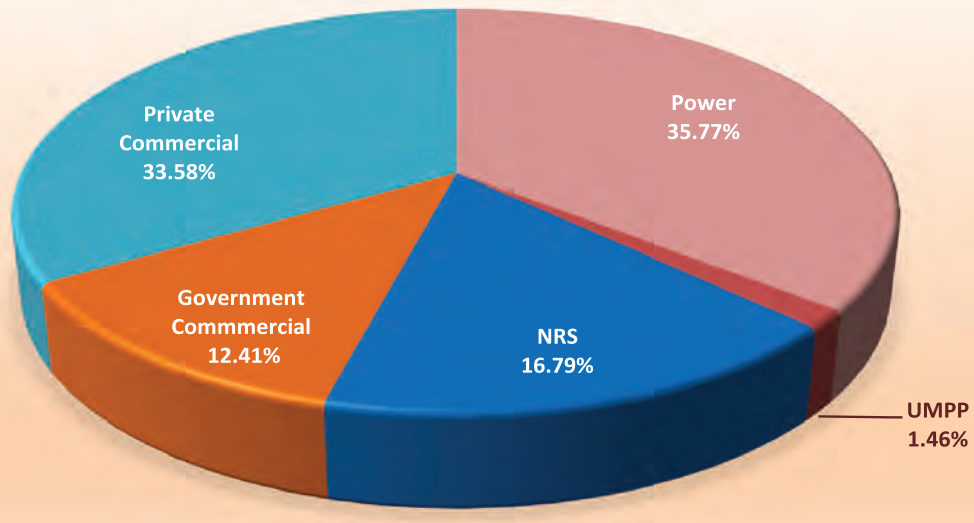


Table 10.3 : State Wise and Sector Wise Captive Coal Blocks Allocated/Vested including Blocks Allotted under MMDR Act upto 2022-23 (Except CIL as Custodian)

(GR in MT)

State	Power		UMPP		NRS		Government Commercial		Private Commercial		Total	
	Number of Coal Blocks	Geological/ Extractable Reserve	Number of Coal Blocks	Geological/ Extractable Reserve	Number of Coal Blocks	Geological/ Extractable Reserve	Number of Coal Blocks	Geological/ Extractable Reserve	Number of Coal Blocks	Geological/ Extractable Reserve	Number of Coal Blocks	Geological/ Extractable Reserve
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Assam	0	0.00	0	0.00	0	0.00	2	1.05	0	0.00	**2**	**1.05**
Chhattisgarh	9	2637.38	0	0.00	4	133.75	2	296.32	7	1796.09	**22**	**4863.54**
Jharkhand	14	4060.44	0	0.00	6	215.18	9	1383.80	11	1244.94	**40**	**6904.36**
Madhya Pradesh	2	442.78	2	333.77	4	92.18	1	141.00	13	2780.17	**22**	**3789.90**
Maharashtra	6	89.39	0	0.00	4	28.50	0	0.00	5	255.94	**15**	**373.83**
Odisha	8	1844.50	0	0.00	3	304.10	1	332.85	9	4280.71	**21**	**6762.16**
Telangana	1	38.70	0	0.00	0	0.00	0	0.00	0	0.00	**1**	**38.70**
West Bengal	9	1276.96	0	0.00	2	170.32	2	466.15	1	0.00	**14**	**1913.43**
Total	**49**	**10390.15**	**2**	**333.77**	**23**	**944.03**	**17**	**2621.172**	**46**	**10357.85**	**137**	**24646.97**

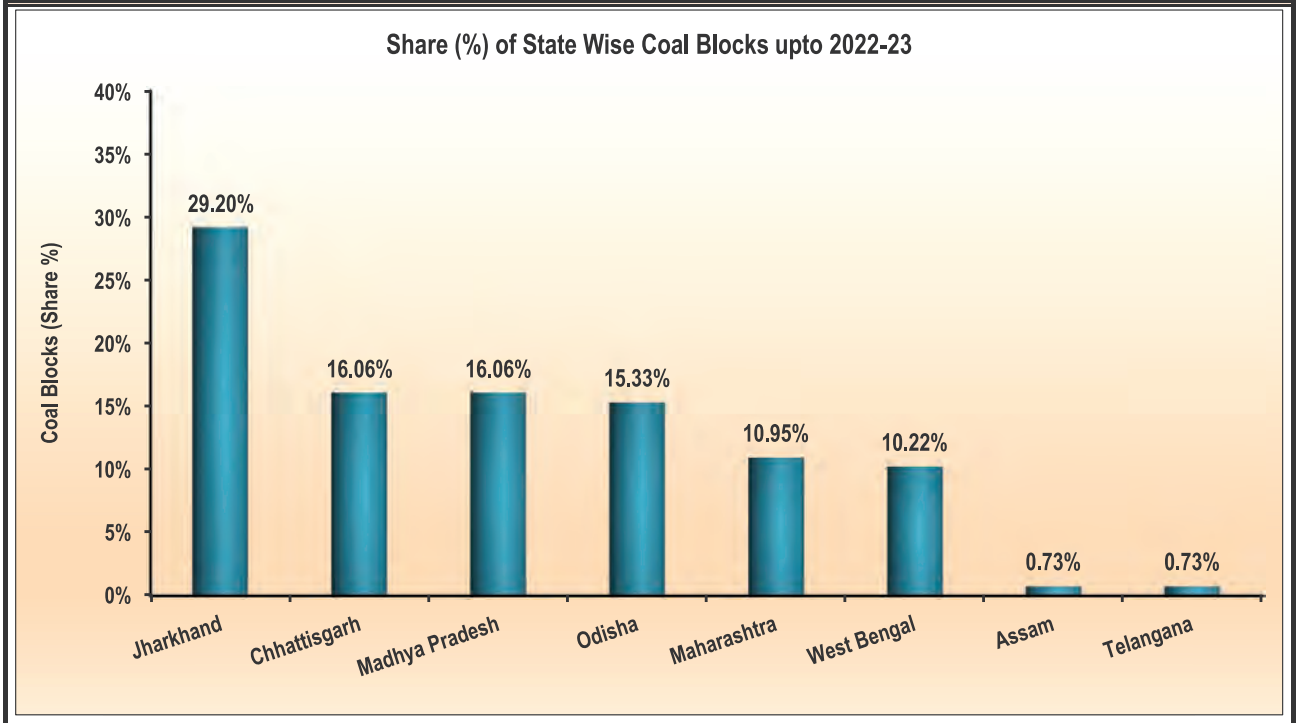


Table 10.4 : Lignite Blocks Allocated upto 2022-23

Sl. No.	State	Date of Allocation	Name of Block	Name of Allocattee	Number 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		05.12.2001	Tadkeswar	GMDC	1	Pub	40.00	Commercial	Producing
3		30.04.2003	Mata na Madh	GMDC	1	Pub	34.00	Commercial	Producing
4		21.07.1973	Panandhro	GMDC	1	Pub	98.00	Commercial	Producing
5-6		05.12.2001	Rajpardi /G-19 Extn (Amod)	GMDC	2	Pub	21.00	Commercial	Producing
7		09.03.2000	Mongrol Valia	GIPCL	1	Pub	341.74	Power	Producing
8		06.09.2005	Khadsaliya-II	GPCL	1	Pub	22.50	Power	Non-producing
9		06.09.2005	Surka III	GPCL	1	Pub	NA	Power	Non-producing
10		05.12.2001	Surkha (North), Bhavnagar	GMDC	1	Pub	69.63	Commercial	Producing
11		23.09.2009	Umarsar	GMDC	1	Pub	27.50	Commercial	Producing
12		15.12.1995	Vastan	GIPCL	1	Pub	39.99	Power	Producing
13		22.09.1995	Ghogra-Surka	GPCL	1	Pub	60.68	Power	Producing
14		10.08.2015	Panandro Ext	GMDC	1	Pub	NA	Power	Non-producing
15		10.08.2015	Bharkandam	GMDC	1	Pub	NA	Commercial	Non-producing
Total Gujarat					**15**		**762.840**		
1	Rajasthan	02.11.1994	Giral	RSSML	1	Pub	101.90	Commercial	Producing
2		25.08.2001	Matasukh	RSMML	1	Pub	16.90	Commercial	Producing
3		25.08.2001	Kasnau Igiya	RSMML	1	Pub		Commercial	Producing
4		06.09.2004	Soneri	RSMML	1	Pub	42.56	Power	Producing
5		01.07.2005	Gurha(W)	RSMML	1	Pub	37.50	Power	Non-producing
6		01.07.2005	Gurha(E)	V.S Lig	1	Pvt	44.66	Power	Producing
7		13.11.2006	Kapurdih	BLMCL	1	Pub	91.99	Power	Producing
8		13.11.2006	Jalipa	BLMCL	1	Pub	316.28	Power	Producing
9		13.11.2006	Shivkar-Kurla	RSMML	1	Pub	112.00	Power	Non-producing
10		13.11.2006	Sachcha Sauda	RSMML	1	Pub	28.70	Power	Non-producing
Total Rajasthan					**10**		**792.49**		
Grand Total					**25**		**1555.33**		

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

Table 10.5 : State Wise Captive & Commercial Coal Blocks Vested/Allocated upto 2022-23 (Except CIL as Custodian)

Sl. No.	State where the Block is Located	Block Allocated	No. of Blocks	Extractable Reserve (Qty. in MT)	Date of Allotment	Mode of Allocation	Name of the Party	Type of Company: PSU(S)/PSU (C) /Pvt	End-use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Assam	Koilajan	1	0.58	10-10-2022	Auction	Assam Mineral Development Corp. Ltd.	PSU(C)	Sale of Coal
2		Garampani	1	0.47	10-10-2022	Auction	Assam Mineral Development Corp. Ltd.		
Assam Total			**2**	**1.05**					
1	Chhattisgarh	Chotia	1	7.38	23-03-2015	Auction	Bharat Aluminium Company Ltd.	PVT	NRS
2		Gare Palma IV-4	1	7.38	23-03-2015	Auction	Hindalco Industries Ltd.		
3		Gare Palma IV-5	1	74.69	23-03-2015	Auction	Hindalco Industries Ltd.		
4		Gare-Palma Sector-IV/8	1	44.30	22-04-2015	Auction	Ambuja Cements Ltd.		
5-6		Parsa East & Kanta Basan	2	363.23	31-03-2015	Allotment	Rajasthan Rajya Vidyut Utpadan Nigam Ltd.	PSU(C)	Power
7		Talaipalli	1	842.27	08-09-2015	Allotment	NTPC		
8		Gare Pelma Sector II	1	655.15	31-08-2015	Allotment	Maharashtra State Power Generation Co Ltd.	PSU(S)	
9		Gare Palma Sector-III	1	89.43	14-09-2015	Allotment	Chhattisgarh State Power Generation Co Ltd.		
10		Parsa	1	184.26	08-09-2015	Allotment	Rajasthan Rajya Vidyut Utpadan Nigam Ltd.		
11-12		Durgapur-II Taraimar & Durgapur-II Sarya	2	303.04	02-03-2020	Allotment	KPCL		
13		Kente Extension	1	200.00	31-03-2015	Allotment	Rajasthan Rajya Vidyut Utpadan Nigam Ltd.		
14		Kerwa	1	112.94	21-07-2016	Allotment	Kerwa Coal Ltd.	PSU(C)	Sale of Coal
15		Madanpur South	1	183.38	29-09-2016	Allotment	APMDCL	PSU(S)	
16		Gare Palma IV-7	1	52.19	08-03-2021	Auction	Sarda Energy and Minerals Ltd.	PVT	
17		Gare Palma IV-1	1	130.00	08-03-2021	Auction	Jindal Power Ltd.		
18		Bhaskarpara	1	46.91	18-11-2021	Auction	Prakash Industries Ltd.		
19		Jhigador	1	250.00	18-11-2021	Auction	CG Natural Resources Pvt. Ltd.		
20		Khargaon	1	250.00	18-11-2021	Auction	CG Natural Resources Pvt. Ltd.		
21		Gare Palma IV/6	1	166.99	10-10-2022	Auction	Jindal Steel and Power Ltd.		
22		Barra	1	900.00	12-12-2022	Auction	Bharat Aluminium Company Ltd.		
Chhattisgarh Total			**22**	**4863.54**					
1	Jharkhand	Dumri	1	46.14	22-04-2015	Auction	Hindalco Industries Ltd.	PVT	NRS
2		Kathautia	1	21.10	23-03-2015	Auction	Hindalco Industries Ltd.		
3		Lohari	1	9.05	22-04-2015	Auction	Araanya Mines Pvt. Ltd.		

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Table 10.5 : State Wise Captive & Commercial Coal Blocks Vested/Allocated upto 2022-23 (Except CIL as Custodian)

Sl. No.	State where the Block is Located	Block Allocated	No. of Blocks	Extractable Reserve (Qty. in MT)	Date of Allotment	Mode of Allocation	Name of the Party	Type of Company: PSU(S)/PSU (C) /Pvt	End-use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4	Jharkhand	Meral	1	12.67	22-04-2015	Auction	Trimula Industries Ltd.	PVT	NRS
5		Moitra	1	29.91	22-04-2015	Auction	JSW Steel Ltd.		
6		Tasra	1	96.31	26-02-1996	Allotment	Steel Authority of India	PSU(C)	
7-8		Chatti Bariatu, Chatti Bariatu South	2	390.96	08-09-2015	Allotment	NTPC	PSU(C)	Power
9		Kerandari	1	142.01	08-09-2015	Allotment	NTPC		
10		Pachwara South	1	279.00	03-10-2016	Allotment	Neyveli Uttar Pradesh Power Ltd..		
11		Pakri-Barbadih	1	607.81	11-10-2004	Allotment	NTPC		
12		Badam	1	90.50	31-08-2015	Allotment	NTPC	PSU(S)	
13		Banhardih	1	553.00	30-06-2015	Allotment	PVUNL		
14		Pachhwara Central	1	239.75	31-03-2015	Allotment	Punjab State Power Corp Ltd.		
15		Pachhwara North	1	374.56	31-03-2015	Allotment	West Bengal Power Development Corp. Ltd.		
16		Rajbar D & E	1	526.05	30-06-2015	Allotment	Tenughat Vidyut Nigam Ltd.		
17		Saharpur Jamarpani	1	524.00	13-08-2015	Allotment	UP Rajya Vidyut Utpadan Nigam Ltd.		
18		Tubed	1	139.00	07-10-2016	Allotment	Damodar Valley Corp.		
19		Kalyanpur-Badalpara	1	102.00	24-02-2016	Allotment	Haryana Power Generation Corp. Ltd..		
20		Ganeshpur	1	91.80	22-04-2015	Auction	GMR Chhattisgarh Energy Ltd.	PVT	
21-22		Kotre Basantpur & Pachmo	2	251.30	19-04-2018	Allotment	CIL	PSU(C)	Sale of Coal
23		Amarkonda Murgadangal	1	410.00	24-01-2019	Allotment	CIL		
24		Chichro Patsimal	1	356.00	24-01-2019	Allotment	CIL		
25		Tokisud North	1	51.97	17-08-2020	Allotment	NMDC		
26		Brahmani	1	58.90	24-01-2019	Allotment	CIL	PSU(S)	
27		Sugia Closed Mine	1	4.00	22-09-2020	Allotment	Jharkhand State Mineral Development Corp.		
28		Brahmadiha	1	10.63	02-03-2021	Auction	APMDCL		
29		Rajhara North (Central & Eastern)	1	17.09	03-03-2021	Auction	Fairmine Carbons Pvt. Ltd.	PVT	
30		Gondulpara	1	74.88	08-03-2021	Auction	Adani Enterprises Ltd.		
31		Urma Paharitola	1	700.00	03-03-2021	Auction	Aurobindo Reality and Infrastructure Pvt. Ltd.		
32		Chakla	1	83.10	03-03-2021	Auction	Hindalco Industries Ltd.		
33		Jogeswar & Khas Jogeswar	1	84.03	18-11-2021	Auction	South West Pinnacle Exploration Ltd.		

Contd....

Table 10.5 : State Wise Captive & Commercial Coal Blocks Vested/Allocated upto 2022-23 (Except CIL as Custodian)

Sl. No.	State where the Block is Located	Block Allocated	No. of Blocks	Extractable Reserve (Qty. in MT)	Date of Allotment	Mode of Allocation	Name of the Party	Type of Company: PSU(S)/PSU (C) /Pvt	End-use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
34	Jharkhand	Rohne	1	241.00	18-06-2021	Allotment	NMDC	PSU(C)	Sale of Coal
35		Rauta Closed Mine	1	7.00	18-11-2021	Auction	Shreesatya Mine Pvt. Ltd.	PVT	
36-37		Brinda & Sasai	2	61.06	10-10-2022	Auction	Dalmia Cement (Bharat) Ltd.		
38		Basantpur	1	9.00	12-12-2022	Auction	Gangaramchak Mining Pvt. Ltd..		
39		Jitpur	1	81.10	17-01-2023	Auction	Terra Mining Pvt. Ltd.		
40		Tokisud Block-II	1	127.69	08-02-2023	Auction	Twenty First Century Mining Pvt. Ltd.		
Jharkhand Total			**40**	**6904.36**					
1	Madhya Pradesh	Bicharpur	1	29.10	23-03-2015	Auction	UltraTech Cement Ltd.	PVT	NRS
2		Sial Ghogri	1	5.11	23-03-2015	Auction	Reliance Cement Company Pvt. Ltd.		
3		Bikram	1	20.97	10-02-2020	Auction	Birla Corp. Ltd.		
4		Brahampuri	1	37.00	10-02-2020	Auction	Birla Corp. Ltd.		
5		Amelia (North)	1	49.18	23-03-2015	Auction	Jaiprakash Power Ventures Ltd.	PVT	Power
6		Amelia	1	393.60	17-01-2017	Allotment	THDC	PSU(C)	
7		Suliyari	1	141.00	29-09-2016	Allotment	APMDCL	PSU(S)	Sale of Coal
8		Urtan North	1	69.82	03-03-2021	Auction	JMS Mining Pvt. Ltd.	PVT	
9		Sahapur West	1	42.00	03-03-2021	Auction	Sarda Energy And Minerals Ltd.		
10		Sahapur East	1	63.63	03-03-2021	Auction	Chowgule And Company Pvt. Ltd.		
11		Urtan	1	55.39	03-03-2021	Auction	JMS Mining Pvt. Ltd.		
12		Dhirauli	1	586.39	03-03-2021	Auction	Stratatech Mineral Resources Pvt. Ltd.		
13		Bandha	1	441.50	03-03-2021	Auction	EMIL Mines And Mineral Resources Ltd.		
14-15		Gotitoria (East) & Gototoria (West)	2	9.34	18-11-2021	Auction	Boulder Stone Mart Pvt. Ltd..		
16		Gonbahera Ujheni East	1	672.87	10-10-2022	Auction	MP Natural Resources Pvt. Ltd.		
17		Beheraband North Ext.	1	170.00	10-10-2022	Auction	Auro Coal Pvt. Ltd.		
18		Maiki North	1	97.17	12-12-2022	Auction	Maiki South Mining Pvt. Ltd..		
19		Bandha North	1	500.00	12-12-2022	Auction	Jaiprakash Power Ventures Ltd.		
20		Marki Barka	1	72.05	17-01-2023	Auction	Birla Corp. Ltd.		
21-22		Moher & Moher-amlohri extn	2	333.77	13-09-2006	Allotment	Power finance Corp. Sasan	PSU(C)	UMPP
Madhya Pradesh Total			**22**	**3789.90**					

Contd....

Table 10.5 : State Wise Captive & Commercial Coal Blocks Vested/Allocated upto 2022-23 (Except CIL as Custodian)

Sl. No.	State where the Block is Located	Block Allocated	No. of Blocks	Extractable Reserve (Qty. in MT)	Date of Allotment	Mode of Allocation	Name of the Party	Type of Company: PSU(S)/PSU (C) /Pvt	End-use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Maharashtra	Belgaon	1	12.65	23-03-2015	Auction	Sunflag Iron and Steel Company Ltd.	PVT	NRS
2		Marki Mangli III	1	3.45	17-04-2015	Auction	B.S. Ispat Ltd.		
3		Marki Mangli-I	1	1.78	30-09-2015	Auction	Topworth Urja and Metals Ltd.		
4		Nerad Malegaon	1	10.62	22-04-2015	Auction	Indrajit Power Pvt. Ltd.		
5-10		Baranj – I, II, III, IV, Kiloni & Manora Deep	6	89.39	31-03-2015	Allotment	Karnataka Power Corp. Ltd.	PSU(S)	Power
11		Marki Mangli II	1	11.54	03-03-2021	Auction	Yazdani International Pvt. Ltd.	PVT	Sale of Coal
12		Takli Jena Bellora (North) & Takli Jena Bellora (South)	1	40.00	03-03-2021	Auction	Aurobindo Reality And Infrastructure Pvt. Ltd.		
13		Gondkhari	1	98.72	18-11-2021	Auction	Adani Power Maharashtra Ltd.		
14		Bhivkund	1	102.26	18-11-2021	Auction	Sunflag Iron and Steel Company Ltd.		
15		Marki Mangli-IV	1	3.42	17-01-2023	Auction	Sobhagya Mercantile Ltd.		
Maharashtra Total			**15**	**373.83**					
1-2	Odisha	Utkal E & D	2	171.37	02-05-2016	Allotment	NALCO	PSU(C)	NRS
3		Jamkhani	1	132.73	10-02-2020	Auction	Vedanta Ltd.	PVT	
4		Dulanga	1	141.55	08-09-2015	Allotment	NTPC	PSU(C)	Power
5		Talabira II & III	1	546.61	02-05-2016	Allotment	NLC		
6-7		Manoharpur & Dipside of Manoharpur	2	46.05	31-08-2015	Allotment	Odisha Coal & Power Ltd.	PSU(S)	
8		Naini	1	270.00	13-08-2015	Allotment	SCCL		
9		Mandakini	1	287.89	02-03-2020	Allotment	KPCL		
10		Chandrabila	1	550.00	24-02-2016	Allotment	Tamil Nadu Generation and Distribution Corp. Ltd..		
11		Talabira-I	1	2.40	23-03-2015	Auction	GMR Chhattisgarh Energy Ltd.	PVT	
12		Utkal A	1	332.85	18-11-2021	Allotment	MCL Ltd.	PSU(C)	Sale of Coal
13		Radhikapur (East)	1	172.00	03-03-2021	Auction	EMIL Mines and Mineral Resources ltd	PVT	
14		Radhikapur (West)	1	258.00	03-03-2021	Auction	Vedanta Ltd.		
15		Kurloi (A) North	1	1680.23	03-09-2021	Auction	Vedanta Ltd.		
16		Utkal-C	1	196.35	10-10-2022	Auction	Jindal Steel and Power Ltd.		
17-18		Utkal B1 & B2	2	347.08	10-10-2022	Auction	Jindal Steel and Power Ltd.		
19		Bijahan	1	327.05	10-10-2022	Auction	Mahanadi Mines & Minerals Pvt. Ltd..		
20		Bankhui	1	800.00	10-10-2022	Auction	Yazdani Steel and Power Ltd.		
21		Alaknanda	1	500.00	12-12-2022	Auction	Rungta Sons Pvt. Ltd...		
Odisha Total			**21**	**6762.16**					

Contd....

Table 10.5 : State Wise Captive & Commercial Coal Blocks Vested/Allocated upto 2022-23 (Except CIL as Custodian)

Sl. No.	State where the Block is Located	Block Allocated	No. of Blocks	Extractable Reserve (Qty. in MT)	Date of Allotment	Mode of Allocation	Name of the Party	Type of Company: PSU(S)/PSU (C) /Pvt	End-use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Telangana	Tadicherla-I	1	38.70	31-08-2015	Allotment	Telangana State Power Generation Corp. Ltd.	PSU(S)	Power
Telangana Total			**1**	**38.70**					
1	West Bengal	Ardhagram	1	1.32	14-07-2016	Auction	OCL Iron and Steel LTD*	PVT	NRS
2		Jagannathpur B	1	169.00	13-02-2020	Auction	Powerplus Traders Pvt. Ltd.		
3		Deocha Pachami Dewanganj Harinsingha	1	1198.31	06-06-2018	Allotment	West Bengal Minrel Development Corp. Ltd.	PSU(C)	Power
4		Barjora	1	1.45	31-03-2015	Allotment	West Bengal Power Development Corp. Ltd.	PSU(S)	
5		Barjora (North)	1	3.57	31-03-2015	Allotment	West Bengal Power Development Corp. Ltd.		
6-7		Gangaramchak & Gangaramchak Bhadulia	2	6.76	31-03-2015	Allotment	West Bengal Power Development Corp. Ltd.		
8-9		Tara (East) and Tara (West)	2	11.06	31-03-2015	Allotment	West Bengal Power Development Corp. Ltd.		
10		Trans Damodar	1	18.81	23-03-2015	Auction	The Durgapur Projects Ltd.		
11		Sarshatolli	1	37.00	23-03-2015	Auction	CESC Ltd.	PVT	
12		Gourangdih ABC	1	129.15	29-09-2016	Allotment	West Bengal Minrel Development Corp. Ltd.	PSU(S)	Sale of Coal
13		East of Danagoria	1	337.00	21-11-2019	Allotment	BCCL	PSU(C)	
14		Kasta East	1	105 .42	12-12-2022	Auction	Jitusol developers Pvt. Ltd..	PVT	
West Bengal Total			**14**	**1913.43**					
All India			**137**	**24646.97**					

Table 10.6 : Coal Blocks Allotted under Auction by MMDR Act

Sl. No.	Name of Blocks	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 Extension	Chhattisgarh	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	1	Allotment	31-03-2015	200.00	Power
2	Kalyanpur-Badalpara	Jharkhand	Haryana Power Generation Corp. Ltd.	1	Allotment	24-02-2016	102.00	
3	Pachwara South		Neyveli Uttar Pradesh Power Ltd.	1	Allotment	03-10-2016	279.00	
4	Chandrabila	Odisha	Tamil Nadu Generation and Distribution Corp. Ltd.	1	Allotment	24-02-2016	550.00	
5	Deocha Pachami Dewanganj Harinsingha	West Bengal	West Bengal Minrel Development Corp. Ltd.	1	Allotment	06-06-2018	1198.31	
6	Garampani	Assam	Assam Mineral Development Corp. Ltd.	1	Auction	10-10-2022	0.468 (GR)	Sale of Coal
7	Koilajan		Assam Mineral Development Corp. Ltd.	1	Auction	10-10-2022	0.584 (GR)	
8	Barra	Chhattisgarh	Bharat Aluminium Company Ltd	1	Auction	12-12-2022	900 (Regionally Explored)	
9	Jhigador		CG Natural Resources Private Ltd	1	Auction	18-11-2021	250.00	
10	Kerwa		Kerwa Coal Ltd	1	Allotment	21-07-2016	112.94	
11	Khargaon		CG Natural Resources Private Ltd	1	Auction	18-11-2021	250.00	
12	Basantpur	Jharkhand	Gangaramchak Mining Pvt Ltd	1	Auction	12-12-2022	9.0 (Tentative GR, Regionally Explored)	
13	Tokisud Block-II		Twenty First Century Mining Pvt. Ltd.	1	Auction	08-02-2023	127.692 (GR)	
14	Bandha	Madhya Pradesh	EMIL Mines And Mineral Resources Ltd	1	Auction	03-03-2021	441.50	
15	Bandha North		Jaiprakash Power Ventures Ltd	1	Auction	12-12-2022	500 (GR Regionally Explored)	
16	Beheraband North Ext.		Auro Coal Pvt. Ltd.	1	Auction	10-10-2022	170 (GR Regionally Explored)	
17	Dhirauli		Stratatech Mineral Resources Pvt. Ltd.	1	Auction	03-03-2021	586.39	
18	Gonbahera Ujheni East		MP Natural Resources Pvt. Ltd.	1	Auction	10-10-2022	672.8746 (GR)	
19	Maiki North		Maiki South Mining Pvt. Ltd.	1	Auction	12-12-2022	97.17 (GR Regionally Explored)	
20	Urtan		JMS Mining Pvt. Ltd.	1	Auction	03-03-2021	55.39	
21	Bhivkund	Maharashtra	Sunflag Iron and Steel Company Ltd.	1	Auction	18-11-2021	102.26	
22	Alaknanda	Odisha	Rungta Sons Pvt Ltd.	1	Auction	12-12-2022	500.00 (GR Regionally Explored)	
23	Bankhui		Yazdani Steel and Power Ltd	1	Auction	10-10-2022	800 (GR Regionally Explored)	
24	Kurloi (A) North		Vedanta Ltd	1	Auction	03-09-2021	1680.23	
All Total				**24**			**9585.81**	

Table 10.7 : Coal Blocks under CIL Custodian upto 2022-23

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
Total Arunachal Pradesh		**1**		**4.79**			
2-3	Gare-Palma-IV/2 & IV/3	2	Chattisgarh	176.109	Chairman, CIL (Custodian)	PSU(C)	Commercial
Total Chhattisgarh		**2**		**176.11**			
4	Parbatpur Central	1	Jharkhand	52.16	Chairman, CIL (Custodian)	PSU(C)	NRS
Total Jharkhand		**1**		**52.16**			
Total		**4**		**233.06**			

Table 10.8 : 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)	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	Jharkhand	607.81	11.10.2004	NTPC	PSU(C)	Power
Total Jharkhand Power		**1**		**607.81**				
2	Tasra	1	Jharkhand	96.31	26.02.1996	Steel Authority of India Ltd.	PSU(C)	NRS
Total Jharkhand NRS		**1**		**96.31**				
3-4	Moher, Moher-Amlori Extn.	2	Madhya Pradesh	333.77	13.09.2006	Power Finance Corporation Sasan UMPP	PSU(C)	UMPP
Total Madhya Pradesh UMPP		**2**		**333.77**				
Total		**4**		**1037.89**				

11. WORLD COAL STATISTICS

Section XI

World Coal Review

11.1 World Coal

11.1.1 World coal reserve (including lignite) is dispersed unevenly over different regions of the world. Statement 11.1 shows the distribution of world coal reserves in different countries by end of 2022. It can be seen that the top five places, as per coal reserve, are occupied by the U.S. (23.18%), Russian Federation (15.10%), Australia (13.99%), China (13.33%) and India (10.34%). These five countries together account for 75.93% of the total world coal reserves.

Statement 11.1: World Proved Coal and Lignite Reserve (MT) at the end of 2022

Country / Group	Reserve	% Share
US	248941	23.18%
Russian Federation	162166	15.10%
Australia	150227	13.99%
China	143197	13.33%
India	111052	10.34%
Germany	35900	3.34%
Indonesia	34869	3.25%
Ukraine	34375	3.20%
Poland	28395	2.64%
Kazakhstan	25605	2.38%
Others	99381	9.25%
Total World	**1074108**	**100.00%**

Source: BP Stats

11.2 Production

In the year 2022, the global production of coal was 8803.37 MT, an increase of 7.89% from 8159.51 MT in 2021. Statement 11.2 shows main coal producing countries during 2022. In this Statement it can be seen that the top six positions are occupied by China (4560.00 MT), India (910.87 MT), Indonesia (687.43 MT), US (539.40 MT), Australia (443.43 MT) and Russian Federation (439.03 MT) and these six countries together account for about 86.11% of total world coal production whereas China alone accounts for 51.80% of the world coal production. The trends of some of the leading countries are shown in Statement 11.3 for coking coal and in Statement 11.4 for lignite production.

Statement 11.2: World Coal Production (MT) in 2022

Country / Group	Production	% Share
P R of China	4560.00	51.80%
India	910.87	10.35%
Indonesia	687.43	7.81%
United States	539.40	6.13%
Australia	443.43	5.04%
Russian Federation	439.03	4.99%
South Africa	225.94	2.57%
Germany	132.50	1.51%
Kazakhstan	117.98	1.34%
Poland	107.45	1.22%
Others	639.34	7.24%
World	**8803.37**	**100.00%**

Source: BP Stats

11.2.2 World Coking Coal production during 2022 is given in Statement 11.3.

Statement 11.3: World Coking Coal Production (MT) in 2022e

Country	Production	% Share
P R of China	554.66	53.54%
Australia	168.58	16.27%
Russian Federation	107.96	10.42%
India	57.40	5.54%
United States	55.22	5.33%
Canada	26.46	2.55%
Mongolia	19.50	1.88%
Poland	12.36	1.19%
Mozambique	6.79	.66%
Indonesia	6.00	0.58%
Others	21.09	2.04%
World	**1036.02**	**100.00%**

Source: IEA

11.2.3 Statement 11.4 provides world lignite production during 2022 by major lignite producing countries.

Statement 11.4: World Lignite Production (MT) in 2022		
Country	**Production**	**% Share**
Germany	130.801	18.20%
Russian	88.806	12.36%
Turkey	80.929	11.26%
Poland	54.621	7.60%
India	44.911	6.25%
United States	43.115	6.00%
Australia	40.296	5.61%
Bulgaria	35.516	4.94%
Serbia	35.129	4.89%
Czech Republic	33.388	4.65%
Others	131.093	18.24%
World	**718.605**	**100.0%**
Source: IEA		

11.3 Import and Export

11.3.1 In 2022, world Coal Import was 1335.379 MT against 1362.309 MT in 2021. During 2022, Imports of coking coal and non-coking coal were 292.245 MT and 1043.134 MT respectively. Import of lignite was 25.295 MT. Statement 11.5 shows major country wise import of coking coal and non-coking coal during 2022.

Statement 11.5: World Coal Import (MT) in 2022e			
Country	**Import**		
	Coking Coal	**Non Coking Coal**	**Total Coal**
P R of China	63.837	230.983	294.820
India	58.133	153.484	211.617
Japan	42.766	138.260	181.026
Korea	33.819	91.332	125.151
Chinese Taipei	5.926	61.089	67.015
Germany	11.575	30.690	42.265
Turkey	5.209	31.349	36.559
Vietnam	7.615	26.868	34.483
Philippines	0.000	32.600	32.600
Malaysia	0.000	30.072	30.072
Thailand	0.000	22.233	22.233
Russian	0.490	19.881	20.371
Poland	3.010	16.969	19.979
Pakistan	0.000	18.464	18.464
Others	59.865	138.860	198.724
World	**292.245**	**1043.134**	**1335.379**
Source: IEA			

11.3.2. In 2022, total coal export was 1354.277 MT against 1313.539 MT in 2021. During 2022, export of coking coal was 312.197 MT, non-coking coal was 1042.080 MT and lignite was 25.295 MT. Statement 11.6 shows major country wise export of coal during 2022.

Statement 11.6: World Coal Export (MT) in 2022e			
Country	***Export***		
	Coking Coal	**Non Coking Coal**	**Total Coal**
Indonesia	6.000	464.899	470.899
Australia	162.521	196.216	358.737
Russian	42.433	150.606	193.039
United States	42.103	34.768	76.871
South Africa	0.846	67.377	68.223
Colombia	1.916	54.490	56.406
Canada	28.055	8.241	36.296
Kazakhstan	2.136	29.761	31.897
Mongolia	14.037	1.992	16.029
Mozambique	6.791	6.323	13.114
Philippines	0.000	8.698	8.698
Poland	3.255	2.096	5.351
P R of China	0.255	4.473	4.728
U R of Tanzania	0.000	1.710	1.710
Spain	0.000	1.420	1.420
New Zealand	1.134	0.144	1.278
Belarus	0.000	1.213	1.213
Germany	0.112	0.847	0.959
India	0.001	0.958	0.959
Others	0.602	5.848	6.450
World	**312.197**	**1042.080**	**1354.277**
Source: IEA			

11.4 Coal Price

11.4.1 Comparison of international coal prices has certain limitations. Table 11.4 provides some indications of the world coal price.

Table 11.1 : World Proved Coal and Lignite Reserves at the End of 2022

(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.
Mexico	1160	51	**1211**	0.1%	185	* Less than 0.05%.
US	218938	30003	**248941**	23.2%	*	
Total North America	**224444**	**32290**	**256734**	**23.9%**	**484**	
Brazil	1547	5049	**6596**	0.6%	*	**Notes:** 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%	*	
Total S. & Cent. America	**8616**	**5073**	**13689**	**1.3%**	**240**	
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	**Reserves-to-production (R/P) ratio** - 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.
Total Europe	**59084**	**78156**	**137240**	**12.8%**	**299**	
Kazakhstan	25605	-	**25605**	2.4%	226	
Russian Federation	71719	90447	**162166**	15.1%	407	
Uzbekistan	1375	-	**1375**	0.1%	333	
Other CIS	1509	-	**1509**	0.1%	336	
Total CIS	**100208**	**90447**	**190655**	**17.8%**	**367**	
South Africa	9893	-	**9893**	0.9%	40	
Zimbabwe	502	-	**502**	♦	153	**Reserves-to-production (R/P)** ratios are calculated excluding other solid fuels in reserves and production.
Other Africa	4376	66	**4442**	0.4%	280	
Middle East	1203	-	**1203**	0.1%	*	
Total Middle East & Africa	**15974**	**66**	**16040**	**1.5%**	**60**	
Australia	73719	76508	**150227**	14.0%	315	
China	135069	8128	**143197**	13.3%	37	**Shares of total and R/P** ratios are calculated using million tonnes figures.
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	**Source:** 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
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	
Total Asia Pacific	**345313**	**114437**	**459750**	**42.8%**	**78**	
Total World	**753639**	**320469**	**1074108**	**100.0%**	**139**	
of which: OECD	**331303**	**177130**	**508433**	**47.3%**	**363**	
Non-OECD	**422336**	**143339**	**565675**	**52.7%**	**90**	
European Union	**25539**	**53051**	**78590**	**7.3%**	**266**	

* Please note that due to process improvements for the Statistical Review of BP Stats, reserves tables have not been updated this year by BP Stats.

Table 11.2 : Trend of Coal Production By major Coal Producing Countries

(Qty. in MT)

Countries	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Change 2022 over 2021	Average Growth Rate Per Aannum 2012-22	2022 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Canada	67.3	68.4	68.3	62.4	62.4	60.6	55.0	53.2	46.1	47.6	**45.1**	-5.3%	-3.9%	0.5%
Mexico	15.2	14.6	14.9	12.3	11.4	12.9	11.9	9.8	7.7	5.5	**5.5**	0.1%	-9.6%	0.1%
US	922.1	893.4	907.2	813.7	660.8	702.7	686.0	640.8	485.7	523.8	**539.4**	3.0%	-5.2%	6.1%
Total North America	**1004.6**	**976.5**	**990.4**	**888.3**	**734.5**	**776.2**	**752.9**	**703.7**	**539.6**	**577.0**	**590.0**	**2.3%**	**-5.2%**	**6.7%**
Brazil	8.2	9.5	9.4	8.0	7.5	5.8	6.4	5.8	7.1	8.0	**7.5**	-6.8%	-0.9%	0.1%
Colombia	89.8	86.0	89.4	86.5	91.2	91.3	86.4	85.4	53.6	59.0	**57.5**	-2.5%	-4.3%	0.7%
Venezuela	1.9	1.2	0.8	0.8	0.7	0.7	0.7	0.4	0.3	0.2	**0.2**	-12.0%	-20.3%	♦
Other S. & Cent. America	1.0	3.2	4.5	3.4	2.8	1.8	1.6	1.1	0.4	0.2	**0.3**	32.0%	-12.9%	♦
Total S. & Cent. America	**100.9**	**99.9**	**104.0**	**98.8**	**102.2**	**99.7**	**95.1**	**92.8**	**61.4**	**67.4**	**65.4**	**-3.0%**	**-4.2%**	**0.7%**
Bulgaria	33.4	28.6	31.3	35.9	31.3	34.3	30.6	28.3	22.6	28.4	**35.6**	25.2%	0.7%	0.4%
Czech Republic	55.2	49.1	47.1	46.5	45.5	44.9	43.8	41.0	31.6	31.5	**35.2**	11.7%	-4.4%	0.4%
Germany	196.2	190.6	185.8	184.3	175.4	175.1	168.8	131.3	107.4	126.3	**132.5**	4.9%	-3.8%	1.5%
Greece	63.0	53.9	50.8	46.2	32.6	37.7	36.5	27.4	14.1	12.4	**14.0**	13.3%	-13.9%	0.2%
Hungary	9.3	9.6	9.6	9.3	9.2	8.0	7.9	6.8	6.1	5.0	**4.9**	-1.2%	-6.1%	0.1%
Poland	144.1	142.9	137.1	135.8	131.0	127.1	122.4	112.4	100.7	107.6	**107.5**	-0.2%	-2.9%	1.2%
Romania	33.9	24.7	23.6	25.5	23.0	25.8	23.7	21.7	15.0	17.7	**18.2**	2.4%	-6.0%	0.2%
Serbia	38.2	40.3	29.8	37.8	38.5	39.8	37.6	38.9	39.7	36.4	**35.1**	-3.5%	-0.8%	0.4%
Spain	6.2	4.4	3.9	3.1	1.7	3.0	2.4	0.1	0.1	0.1	**0.1**	-	-34.4%	♦
Turkey	71.5	60.4	65.2	58.4	73.0	74.1	83.9	87.1	74.7	86.5	**96.1**	11.1%	3.0%	1.1%
Ukraine	66.2	64.9	45.7	30.4	32.2	24.7	26.8	26.1	24.4	24.9	**16.5**	-33.7%	-12.9%	0.2%
United Kingdom	17.0	12.8	11.6	8.6	4.2	3.0	2.8	2.6	1.7	1.1	**0.7**	-38.2%	-27.8%	♦
Other Europe	65.6	70.7	67.2	64.5	61.7	65.1	92.2	56.8	50.2	47.6	**49.5**	4.1%	-2.7%	0.6%
Total Europe	**799.6**	**752.8**	**708.8**	**686.3**	**659.4**	**662.6**	**679.4**	**580.5**	**488.3**	**525.5**	**545.9**	**3.9%**	**-3.7%**	**6.2%**
Kazakhstan	120.5	119.6	114.0	107.3	103.1	112.3	118.5	115.0	113.4	116.2	**118.0**	1.5%	-0.2%	1.3%
Russian Federation	358.3	355.2	357.4	372.5	386.6	411.0	441.3	440.7	399.8	434.1	**439.0**	1.1%	2.1%	5.0%
USSR	-	-	-	-	-	-	-	-	-	-	**-**	-	-	-
Uzbekistan	3.8	4.1	4.4	3.5	3.9	4.0	4.2	4.0	4.1	5.1	**5.4**	5.9%	3.6%	0.1%
Other CIS	4.3	4.2	4.1	4.0	4.6	5.7	7.7	7.9	6.2	6.6	**8.4**	27.4%	7.0%	0.1%
Total CIS	**486.8**	**483.1**	**479.9**	**487.3**	**498.1**	**533.0**	**571.6**	**567.6**	**523.5**	**561.9**	**570.7**	**1.6%**	**1.6%**	**6.5%**
Total Middle East	**1.5**	**1.5**	**1.5**	**1.6**	**1.8**	**1.8**	**2.2**	**2.0**	**2.1**	**2.2**	**4.4**	**98.2%**	**11.7%**	**0.1%**
South Africa	258.6	256.3	261.4	252.2	249.7	252.3	250.0	254.4	246.2	229.8	**225.9**	-1.7%	-1.3%	2.6%
Zimbabwe	1.6	3.1	5.8	4.3	2.7	2.9	3.3	2.6	2.7	3.2	**3.9**	21.7%	9.5%	♦
Other Africa	7.1	8.3	9.4	9.7	9.2	15.9	20.0	14.6	12.3	15.7	**21.2**	35.3%	11.6%	0.2%
Total Africa	**267.3**	**267.7**	**276.6**	**266.2**	**261.6**	**271.2**	**273.4**	**271.7**	**261.2**	**248.7**	**251.1**	**1.0%**	**-0.6%**	**2.9%**
Australia	448.2	472.8	505.3	503.7	502.1	487.2	502.2	505.6	470.0	460.3	**443.4**	-3.7%	-0.1%	5.0%
China	3945.1	3974.3	3873.9	3746.5	3410.6	3523.6	3697.7	3846.3	3901.6	4125.8	**4560.0**	10.5%	1.5%	51.8%
India	605.6	608.5	646.2	674.2	689.8	711.7	760.4	753.9	760.2	812.3	**910.9**	12.1%	4.2%	10.3%
Indonesia	386.1	474.4	458.1	461.6	456.2	461.2	557.8	616.2	563.7	614.0	**687.4**	12.0%	6.0%	7.8%
Japan	1.3	1.2	1.3	1.2	1.3	1.4	1.0	0.8	0.8	0.7	**0.7**	3.3%	-6.2%	♦
Mongolia	31.1	33.3	24.4	24.1	35.1	49.5	54.6	57.1	43.1	32.3	**39.3**	21.7%	2.4%	0.4%
New Zealand	4.9	4.6	4.0	3.4	2.9	2.9	3.2	3.0	2.8	2.9	**2.6**	-8.0%	-6.0%	♦
Pakistan	3.0	3.0	3.4	3.3	4.1	4.2	4.4	7.1	9.5	10.2	**9.9**	-3.0%	12.6%	0.1%
South Korea	2.1	1.8	1.7	1.8	1.7	1.5	1.2	1.1	1.0	0.9	**0.8**	-8.7%	-8.9%	♦
Thailand	18.1	18.1	18.0	15.2	17.0	16.3	14.9	14.1	13.3	14.2	**13.6**	-4.1%	-2.7%	0.2%
Vietnam	42.1	41.1	41.1	41.7	38.7	38.4	42.4	46.4	44.6	48.3	**49.8**	3.2%	1.7%	0.6%
Other Asia Pacific	39.6	39.8	40.4	44.9	61.4	54.2	52.6	39.5	54.1	54.8	**57.2**	4.3%	3.8%	0.6%
Total Asia Pacific	**5527.3**	**5673.0**	**5617.8**	**5521.6**	**5221.0**	**5352.0**	**5692.3**	**5891.0**	**5864.6**	**6176.8**	**6775.8**	**9.7%**	**2.1%**	**77.0%**
Total World	**8188.0**	**8254.5**	**8179.1**	**7950.0**	**7478.7**	**7696.5**	**8066.9**	**8109.2**	**7740.8**	**8159.5**	**8803.4**	**7.9%**	**0.8%**	**100.0%**
of which: OECD	2150.3	2111.8	2147.7	2016.4	1842.0	1871.9	1854.7	1737.9	1426.2	1491.6	**1507.2**	1.0%	-3.5%	17.1%
Non-OECD	6037.6	6142.7	6031.3	5933.5	5636.7	5824.6	6212.2	6371.3	6314.6	6667.9	**7296.2**	9.4%	1.9%	82.9%
European Union#	575.9	543.9	527.3	521.3	481.6	492.2	473.4	397.3	318.8	348.9	**368.6**	**5.6%**	**-4.3%**	**4.2%**

* 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.

w Less than 0.05%.

n/a not available.

USSR includes CIS, Georgia, Ukraine 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.

Table 11.3 : Coal Despatch/offtake in major Coal Consuming Countries of the World during last Ten Years

(Qty. in Exajoules)

Countries	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Change 2022 over 2021	Average Growth Rate Per Annum 2012-22	2022 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Canada	0.883	0.862	0.819	0.824	0.767	0.798	0.654	0.613	0.534	0.497	0.386	-22.4%	-7.9%	0.2%
Mexico	0.537	0.534	0.533	0.532	0.521	0.636	0.567	0.541	0.239	0.198	0.251	26.6%	-7.3%	0.2%
US	17.418	18.080	18.039	15.585	14.259	13.869	13.282	11.342	9.202	10.573	9.868	-6.7%	-5.5%	6.1%
Total North America	**18.839**	**19.475**	**19.391**	**16.940**	**15.547**	**15.303**	**14.503**	**12.496**	**9.976**	**11.269**	**10.506**	**-6.8%**	**-5.6%**	**6.5%**
Argentina	0.049	0.054	0.057	0.057	0.044	0.045	0.049	0.029	0.036	0.051	0.052	2.5%	0.5%	♦
Brazil	0.640	0.690	0.734	0.738	0.667	0.703	0.688	0.646	0.587	0.712	0.586	-17.8%	-0.9%	0.4%
Chile	0.281	0.316	0.319	0.306	0.311	0.323	0.312	0.314	0.263	0.292	0.220	-24.6%	-2.4%	0.1%
Colombia	0.196	0.211	0.224	0.208	0.229	0.174	0.164	0.193	0.171	0.113	0.103	-9.4%	-6.3%	0.1%
Ecuador	0.000	0.001	0.000	0.001	0.000	0.000	0.001	0.000	0.001	0.002	0.003	45.5%	19.9%	♦
Peru	0.037	0.037	0.036	0.034	0.036	0.031	0.028	0.029	0.021	0.022	0.029	36.1%	-2.2%	♦
Trinidad & Tobago	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-	-
Venezuela	0.009	0.009	0.008	0.006	0.006	0.003	0.001	0.003	0.002	0.002	0.001	-12.0%	-16.2%	♦
Central America	0.030	0.039	0.042	0.053	0.058	0.041	0.052	0.071	0.057	0.071	0.047	-34.1%	4.4%	♦
Other Caribbean	0.071	0.079	0.085	0.080	0.081	0.074	0.077	0.107	0.147	0.144	0.144	-0.1%	7.4%	0.1%
Other South America	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.000	0.001	0.001	26.2%	10.8%	♦
Total S.& Cent. America	**1.314**	**1.436**	**1.506**	**1.483**	**1.432**	**1.396**	**1.373**	**1.394**	**1.287**	**1.409**	**1.186**	**-15.9%**	**-1.0%**	**0.7%**
Austria	0.135	0.137	0.126	0.137	0.128	0.132	0.116	0.122	0.105	0.108	0.102	-5.5%	-2.8%	0.1%
Belgium	0.139	0.147	0.143	0.139	0.133	0.130	0.129	0.129	0.101	0.111	0.115	3.4%	-1.8%	0.1%
Bulgaria	0.290	0.249	0.266	0.274	0.238	0.256	0.228	0.213	0.174	0.219	0.262	19.4%	-1.0%	0.2%
Croatia	0.026	0.028	0.027	0.025	0.027	0.016	0.015	0.018	0.015	0.017	0.017	-1.0%	-4.2%	♦
Cyprus	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.001	-20.7%	63.5%	♦
Czech Republic	0.742	0.707	0.686	0.684	0.689	0.674	0.670	0.603	0.524	0.543	0.589	8.5%	-2.3%	0.4%
Denmark	0.107	0.136	0.107	0.076	0.088	0.066	0.068	0.038	0.034	0.045	0.043	-3.3%	-8.6%	♦
Estonia	0.157	0.174	0.170	0.151	0.159	0.181	0.177	0.129	0.105	0.114	0.122	7.1%	-2.4%	0.1%
Finland	0.189	0.209	0.187	0.160	0.183	0.168	0.176	0.148	0.113	0.122	0.122	-0.1%	-4.2%	0.1%
France	0.463	0.484	0.362	0.360	0.351	0.383	0.343	0.268	0.188	0.228	0.214	-6.1%	-7.4%	0.1%
Germany	3.370	3.468	3.333	3.294	3.204	3.009	2.904	2.247	1.854	2.239	2.330	4.1%	-3.6%	1.4%
Greece	0.341	0.293	0.281	0.236	0.182	0.201	0.197	0.134	0.077	0.072	0.072	0.5%	-14.4%	♦
Hungary	0.109	0.096	0.095	0.098	0.092	0.094	0.089	0.077	0.071	0.057	0.050	-13.4%	-7.5%	♦
Iceland	0.004	0.005	0.004	0.004	0.005	0.005	0.005	0.005	0.000	0.000	0.000	-	-100.0%	-
Ireland	0.095	0.086	0.084	0.092	0.088	0.075	0.059	0.042	0.036	0.049	0.043	-14.0%	-7.7%	♦
Italy	0.658	0.567	0.552	0.516	0.460	0.403	0.369	0.279	0.213	0.235	0.305	30.1%	-7.4%	0.2%
Latvia	0.004	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	8.6%	-13.9%	♦
Lithuania	0.010	0.011	0.010	0.008	0.008	0.008	0.009	0.008	0.006	0.008	0.008	3.5%	-1.9%	♦
Luxembourg	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.1%	-1.9%	♦
Netherlands	0.343	0.343	0.379	0.463	0.429	0.385	0.346	0.269	0.172	0.234	0.232	-0.8%	-3.8%	0.1%
North Macedonia	0.058	0.049	0.045	0.041	0.037	0.040	0.036	0.043	0.029	0.026	0.030	17.2%	-6.4%	♦
Norway	0.034	0.032	0.036	0.032	0.033	0.034	0.033	0.033	0.032	0.035	0.034	-4.6%	-0.2%	♦
Poland	2.145	2.235	2.070	2.038	2.072	2.084	2.085	1.858	1.722	1.905	1.805	-5.2%	-1.7%	1.1%
Portugal	0.122	0.111	0.112	0.136	0.119	0.136	0.114	0.052	0.024	0.008	0.000	-95.4%	-43.9%	♦
Romania	0.317	0.246	0.243	0.252	0.225	0.225	0.215	0.208	0.150	0.170	0.165	-2.7%	-6.3%	0.1%
Slovakia	0.144	0.143	0.141	0.136	0.134	0.140	0.139	0.113	0.097	0.118	0.105	-10.4%	-3.0%	0.1%
Slovenia	0.058	0.056	0.044	0.045	0.048	0.048	0.046	0.044	0.042	0.039	0.030	-23.1%	-6.4%	♦
Spain	0.649	0.477	0.487	0.573	0.439	0.563	0.482	0.212	0.124	0.129	0.169	31.3%	-12.6%	0.1%
Sweden	0.088	0.090	0.085	0.084	0.083	0.083	0.083	0.082	0.068	0.069	0.073	6.2%	-1.8%	♦
Switzerland	0.005	0.006	0.006	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	-	-3.3%	♦
Turkey	1.528	1.322	1.513	1.454	1.610	1.652	1.711	1.755	1.701	1.736	1.745	0.5%	1.4%	1.1%
Ukraine	1.789	1.734	1.489	1.145	1.359	1.078	1.175	1.092	0.957	0.954	0.519	-45.6%	-11.6%	0.3%
United Kingdom	1.625	1.566	1.264	0.998	0.508	0.411	0.348	0.249	0.228	0.237	0.211	-10.8%	-18.4%	0.1%
Other Europe	0.590	0.611	0.504	0.576	0.599	0.594	0.588	0.571	0.587	0.556	0.549	-1.3%	-0.7%	0.3%
Total Europe	**16.335**	**15.822**	**14.856**	**14.237**	**13.739**	**13.283**	**12.965**	**11.049**	**9.555**	**10.391**	**10.070**	**-3.1%**	**-4.7%**	**6.2%**

Contd.....

Table 11.3 : Coal Despatch/offtake in major Coal Consuming Countries of the World during last Ten Years

(Qty. in Exajoules)

Countries	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Change 2022 over 2021	Average Growth Rate Per Annum 2012-22	2022 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Azerbaijan	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-28.2%	♦
Belarus	0.033	0.035	0.035	0.031	0.034	0.035	0.053	0.056	0.035	0.036	0.039	8.3%	1.6%	♦
Kazakhstan	1.585	1.569	1.551	1.145	1.336	1.466	1.524	1.443	1.365	1.404	1.435	2.2%	-1.0%	0.9%
Russian Federation	4.121	3.790	3.666	3.857	3.737	3.514	3.628	3.567	3.291	3.426	3.194	-6.8%	-2.5%	2.0%
Uzbekistan	0.048	0.072	0.066	0.053	0.063	0.059	0.085	0.075	0.103	0.093	0.103	11.1%	8.0%	0.1%
Other CIS	0.053	0.057	0.072	0.079	0.075	0.086	0.092	0.087	0.089	0.096	0.099	3.6%	6.4%	0.1%
Total CIS	**5.841**	**5.523**	**5.389**	**5.165**	**5.245**	**5.160**	**5.383**	**5.228**	**4.884**	**5.055**	**4.871**	**-3.6%**	**-1.8%**	**3.0%**
Iran	0.038	0.032	0.038	0.046	0.038	0.043	0.057	0.068	0.077	0.070	0.076	8.0%	7.1%	♦
Israel	0.369	0.297	0.276	0.270	0.231	0.209	0.197	0.208	0.182	0.158	0.156	-1.2%	-8.2%	0.1%
Kuwait	0.003	0.011	0.009	0.008	0.009	0.007	0.008	0.007	0.001	0.003	0.005	66.4%	5.2%	♦
Oman	0.001	0.002	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.004	-	10.6%	♦
Qatar	0.000	0.000	0.002	0.001	0.001	0.001	0.002	0.001	0.000	0.000	0.000	302.0%	8.1%	♦
Saudi Arabia	0.003	0.004	0.006	0.004	0.003	0.005	0.004	0.004	0.004	0.005	0.005	-	3.6%	♦
United Arab Emirates	0.058	0.074	0.083	0.072	0.077	0.089	0.080	0.074	0.089	0.099	0.103	3.8%	5.9%	0.1%
Other Middle East	0.023	0.020	0.026	0.018	0.019	0.017	0.018	0.013	0.012	0.017	0.022	25.4%	-0.3%	♦
Total Middle East	**0.495**	**0.441**	**0.440**	**0.420**	**0.381**	**0.375**	**0.369**	**0.380**	**0.370**	**0.356**	**0.370**	**3.9%**	**-2.8%**	**0.2%**
Algeria	0.012	0.007	0.007	0.006	0.002	0.008	0.021	0.017	0.005	0.011	0.005	-51.8%	-7.8%	♦
Egypt	0.016	0.016	0.016	0.034	0.051	0.050	0.091	0.083	0.031	0.051	0.051	1.1%	12.2%	♦
Morocco	0.127	0.126	0.169	0.186	0.179	0.186	0.216	0.279	0.280	0.308	0.280	-9.1%	8.3%	0.2%
South Africa	3.699	3.699	3.747	3.515	3.780	3.719	3.529	3.761	3.657	3.510	3.313	-5.6%	-1.1%	2.1%
Eastern Africa	0.106	0.160	0.242	0.207	0.163	0.199	0.222	0.189	0.183	0.193	0.209	8.6%	7.1%	0.1%
Middle Africa	0.002	0.001	0.001	0.001	0.003	0.009	0.011	0.006	0.007	0.008	0.009	8.6%	16.3%	♦
Western Africa	0.014	0.014	0.021	0.027	0.034	0.028	0.032	0.032	0.028	0.031	0.029	-5.2%	7.4%	♦
Other Northern Africa	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	-13.6%	♦
Other Southern Africa	0.053	0.049	0.060	0.058	0.058	0.068	0.071	0.064	0.050	0.064	0.075	18.6%	3.7%	♦
Total Africa	**4.029**	**4.073**	**4.263**	**4.034**	**4.271**	**4.267**	**4.193**	**4.430**	**4.243**	**4.175**	**3.973**	**-4.8%**	**-0.1%**	**2.5%**
Australia	1.996	1.894	1.879	1.945	1.944	1.877	1.832	1.751	1.685	1.629	1.551	-4.8%	-2.5%	1.0%
Bangladesh	0.038	0.053	0.034	0.110	0.083	0.090	0.103	0.173	0.188	0.152	0.180	18.0%	16.7%	0.1%
China	80.720	82.448	82.097	80.385	78.033	78.896	80.468	82.520	84.249	87.536	88.414	1.0%	0.9%	54.8%
China Hong Kong SAR	0.305	0.325	0.341	0.280	0.280	0.263	0.270	0.258	0.138	0.153	0.150	-1.6%	-6.8%	0.1%
India	13.636	14.435	15.844	16.166	16.516	17.054	17.934	17.960	16.973	19.296	20.093	4.1%	4.0%	12.4%
Indonesia	1.821	1.587	1.689	1.916	1.960	2.038	2.361	2.884	2.755	2.748	4.379	59.4%	9.2%	2.7%
Japan	4.875	5.074	4.989	5.033	5.023	5.097	4.992	4.905	4.575	4.930	4.916	-0.3%	0.1%	3.0%
Malaysia	0.665	0.630	0.643	0.728	0.784	0.869	0.932	0.881	1.037	0.945	0.938	-0.7%	3.5%	0.6%
New Zealand	0.073	0.064	0.059	0.060	0.050	0.052	0.056	0.061	0.059	0.066	0.046	-30.8%	-4.5%	♦
Pakistan	0.170	0.134	0.198	0.195	0.224	0.299	0.496	0.564	0.654	0.723	0.638	-11.8%	14.2%	0.4%
Philippines	0.339	0.419	0.446	0.486	0.548	0.648	0.684	0.732	0.735	0.792	0.839	5.9%	9.5%	0.5%
Singapore	0.001	0.011	0.016	0.017	0.018	0.038	0.020	0.019	0.018	0.019	0.017	-10.8%	32.5%	♦
South Korea	3.376	3.414	3.534	3.576	3.412	3.608	3.628	3.439	3.025	3.037	2.875	-5.3%	-1.6%	1.8%
Sri Lanka	0.019	0.020	0.039	0.052	0.055	0.057	0.055	0.059	0.071	0.068	0.061	-9.7%	12.4%	♦
Taiwan	1.650	1.683	1.701	1.650	1.671	1.696	1.705	1.671	1.562	1.677	1.581	-5.7%	-0.4%	1.0%
Thailand	0.690	0.679	0.748	0.735	0.749	0.752	0.802	0.714	0.764	0.782	0.711	-9.1%	0.3%	0.4%
Vietnam	0.674	0.720	0.870	1.098	1.189	1.188	1.582	2.090	2.195	2.157	2.049	-5.0%	11.8%	1.3%
Other Asia Pacific	0.580	0.452	0.517	0.499	0.623	0.960	0.958	1.064	1.045	1.071	1.060	-1.0%	6.2%	0.7%
Total Asia Pacific	**111.628**	**114.043**	**115.643**	**114.932**	**113.160**	**115.482**	**118.877**	**121.748**	**121.727**	**127.779**	**130.499**	**2.1%**	**1.6%**	**80.8%**
Total World	**158.481**	**160.814**	**161.489**	**157.211**	**153.774**	**155.268**	**157.663**	**156.725**	**152.040**	**160.433**	**161.475**	**0.6%**	**0.2%**	**100.0%**
of which: OECD	43.271	43.652	42.951	40.262	38.000	37.719	36.391	32.272	27.577	29.942	28.899	-3.5%	-3.9%	17.9%
Non-OECD	115.210	117.163	118.538	116.949	115.775	117.548	121.272	124.453	124.463	130.491	132.575	1.6%	1.4%	82.1%
European Union#	10.702	10.498	9.996	9.982	9.583	9.464	9.064	7.298	6.017	6.843	6.979	2.0%	-4.2%	4.3%

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

Excludes coal converted to liquid or gaseous fuels, but includes coal consumed in transformation processes.

^ Less than 0.005. * Less than 0.05%. n/a not available.

USSR includes CIS, 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 unadvoidable disparities in the definition, measurement or conversion of coal supply and demand data.

Annual changes and share of total are calculated using exajoules figures.

Table 11.4 : Trend of World Coal Prices during 2022

(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 †	Newcastle Thermal Coal FOB#
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
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	92.50	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	60.09	51.45	71.66	71.35	89.40	72.97	71.12	-
2017	84.51	63.83	96.02	94.72	150.00	99.16	99.58	-
2018	91.83	72.84	112.73	99.45	158.49	117.39	111.69	78.67
2019	60.86	57.16	85.48	85.89	148.52	108.58	88.98	77.59
2020	50.16	42.77	69.01	83.10	108.41	80.50	71.33	48.81
2021	121.70	68.54	155.41	153.55	134.86	130.37	145.16	90.82
2022	293.63	157.57	225.27	n/a	n/a	n/a	n/a	190.35

† 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 SO2 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 SO2 coal, fob.

Note: CAPP = Central Appalachian; CIF = Cost + Insurance + Freight (average prices); FOB = free on board.

Table 11.5 : Production of Coal, Coke and Lignite by major Coal Producing Countries during 2021 & 2022 e

(Qty. in MT)

Country	2021					2022 e				
	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	26.937	4.904	7.455	8.315	1.947	26.461	7.929	4.272	6.428	1.881
Mexico	1.319	0.011	4.301	0.268	0.793	1.319	0.026	4.301	0.244	0.791
United States	56.088	181.031	243.175	42.968	11.381	55.218	192.635	247.971	43.115	10.336
North America	**84.344**	**185.946**	**254.931**	**51.551**	**14.121**	**82.998**	**200.590**	**256.544**	**49.787**	**13.008**
Argentina		0.020			1.096		0.020			1.293
Bolivarian Republic of Venezuela		0.253					0.197			
Brazil		0.000	4.767	1.898	9.977		0.000	3.472	2.650	9.443
Chile		0.043			0.358		0.015			0.484
Colombia	4.830	51.021			4.077	5.691	48.618			4.421
Peru		0.110					0.153			
South America	**4.830**	**51.447**	**4.767**	**1.898**	**15.507**	**5.691**	**49.003**	**3.472**	**2.650**	**15.642**
Albania		0.241					0.196		0.182	
Armenia		0.000		0.000			0.000		0.000	
Austria		0.000			1.319		0.000			1.271
Belgium		0.000			1.269		0.000			1.270
Bosnia and Herzegovina		0.000		12.831	0.961		0.000		13.292	0.822
Bulgaria		0.000		28.289			0.000		35.516	
Czech Republic	1.501	0.678		29.279	2.577	0.864	0.819		33.388	2.351
Estonia		0.000			0.016		0.000			0.009
Finland		0.000			0.835		0.000			0.808
France		0.000					0.000			
Georgia		0.000		0.148			0.000		0.146	
Germany		0.000		126.257	8.247		0.000		130.801	8.180
Greece		0.000		12.398			0.000		13.703	
Hungary		0.000		4.988	0.767		0.000		4.928	0.522
Italy		0.000			1.346		0.000			1.618
Kosovo		0.000		8.535			0.000		9.074	
Montenegro		0.000		1.549			0.000		1.735	
Netherlands		0.000			1.885		0.000			1.825
Norway		0.121					0.117			
Poland	12.585	42.422		52.356	9.284	12.365	40.465		54.621	8.483
Romania		0.000		17.733			0.000		18.160	
Russian Federation	99.961	267.747		75.259	47.279	107.957	247.365		88.806	
Serbia		0.000		36.418			0.000		35.129	
Slovak Republic		0.000		1.074	1.626		0.000		0.870	1.473
Slovenia		0.000		2.612			0.000		2.358	
Spain		0.000			1.137		0.000			1.294
Sweden		0.000			0.955		0.000			1.115
Ukraine		15.553			9.328		1.555			
United Kingdom	0.337	0.717			1.119	0.194	0.457			1.240
Europe	**114.383**	**327.479**	**0.000**	**409.726**	**89.950**	**121.379**	**290.975**	**0.000**	**442.710**	**32.281**
Australia	171.122	222.892	24.589	41.622	2.440	168.575	225.450	23.842	40.296	2.301
New Zealand	1.134	0.122	1.326	0.285	0.449	1.069	0.162	1.131	0.276	0.398
Australia and Oceania	**172.256**	**223.014**	**25.915**	**41.907**	**2.889**	**169.644**	**225.612**	**24.973**	**40.572**	**2.699**

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Table 11.5 : Production of Coal, Coke and Lignite by major Coal Producing Countries during 2021 & 2022 e

(Qty. in MT)

Country	2021					2022 e				
	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Algeria		0.000			0.012		0.000			
Botswana		2.121					2.582			
Egypt		0.000					0.000			
Ethiopia		0.008					0.008			
Kingdom of Eswatini		0.125					0.125			
Mozambique	5.733	5.347				6.791	6.333			
Niger		0.000		0.244			0.000		0.261	
Nigeria		2.506					3.043			
Other Africa		0.030					0.085			
Republic of North Macedonia		0.000		4.126			0.000		5.075	
South Africa	2.841	225.804			1.439	2.351	227.554			
United Republic of Tanzania		0.976					2.511			
Zambia		0.819					0.819			
Zimbabwe	1.530	1.716			1.113	2.454	2.753			
Africa	**10.103**	**239.452**	**0.000**	**4.369**	**2.564**	**11.596**	**245.813**	**0.000**	**5.336**	**0.000**
Bangladesh		0.754					0.754			
Cambodia		0.000		0.108			0.000		0.113	
Chinese Taipei		0.000			6.288		0.000			
Democratic People's Republic of Korea		19.603	1.383				20.224	1.427		
India	48.832	726.488		47.490	43.514	57.397	841.619		44.911	
Indonesia	6.000	82.780	482.036			6.000	102.365	578.347		
Islamic Republic of Iran	1.503	0.150			1.415	1.497	0.149			
Japan		0.659			29.989		0.681			28.460
Kazakhstan	4.144	98.495		4.861	2.440	4.755	99.315		5.664	
Korea		0.898			15.494		0.820			14.775
Kyrgyzstan		0.570		2.493			0.532		3.104	
Lao People's Democratic Republic		0.699		13.618			0.499		14.346	
Malaysia		3.111					3.731			
Mongolia	23.935	5.029		5.116	0.059	19.496	3.292		4.802	
Myanmar		0.000	0.992	0.588			0.000	0.992	0.276	
Nepal		0.015					0.015			
Other Non-OECD Asia		2.066			0.069		2.964			
Pakistan		4.522		5.238			7.607		4.408	
People's Republic of China	547.541	3248.607			464.240	554.659	3589.711			
Philippines		0.000	14.048				0.000	14.483		
Republic of Turkiye	0.620	0.617	1.671	83.559	4.134	0.760	0.647		80.929	4.790
Tajikistan		1.992		0.096			2.062		0.113	
Thailand		0.000		14.222			0.000		13.642	
Uzbekistan		0.275		4.781			0.232		5.242	
Viet Nam	0.150	48.158			6.887	0.150	47.178			
Asia	**632.723**	**4245.487**	**500.130**	**182.169**	**574.529**	**644.714**	**4724.397**	**595.249**	**177.550**	**48.025**
World Total	**1018.640**	**5272.825**	**785.743**	**691.620**	**699.560**	**1036.022**	**5736.389**	**880.238**	**718.605**	**111.655**

Table 11.6 : Import of Coal, Coke and Lignite by major Coal Importing Countries during 2021 & 2022 e

(Qty. in MT)

Country	2021					2022 e				
	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	3.191	2.216	0.730	0.004	1.232	2.793	2.068	0.414	0.003	1.166
Costa Rica		0.021					0.030			
Cuba		0.001			0.001		0.001			
Dominican Republic		2.632					2.187			
El Salvador		0.000			0.001		0.000			
Guatemala		2.236					1.244			
Honduras		0.029					0.190			
Jamaica		0.085					0.065			
Mexico	0.557	5.242	0.065	0.004	1.371	0.474	8.245	1.754	0.004	1.166
Panama		0.908					0.837			
United States	0.763	2.244	1.776	0.106	0.106	1.448	2.682	1.538	0.059	0.061
North America	**4.511**	**15.614**	**2.571**	**0.114**	**2.710**	**4.715**	**17.549**	**3.706**	**0.066**	**2.393**
Argentina	0.976	0.776				1.153	0.631			
Brazil	10.569	9.453	0.090		1.671	10.007	5.643	0.092		1.568
Chile	0.512	12.053			0.001	0.643	7.369			
Colombia		0.000					0.000			
Other Non-OECD Americas		0.000			0.000		0.000			
Paraguay		0.001					0.001			
Peru		0.267			0.000		0.355			
Plurinational State of Bolivia		0.010					0.009			
Uruguay		0.006			0.000		0.012			
South America	**12.058**	**22.565**	**0.090**	**0.000**	**1.673**	**11.803**	**14.020**	**0.092**	**0.000**	**1.568**
Albania		0.162					0.088			
Armenia	0.000	0.018				0.000	0.026			
Austria	1.711	1.060	0.055	0.005	0.921	1.688	0.792	0.065	0.003	0.963
Belarus		1.892			0.039		1.892			
Belgium	1.505	1.433	0.001		0.186	1.795	1.401	0.002		0.457
Bosnia and Herzegovina	1.350	0.213		0.037	0.011	1.093	0.223		0.040	0.069
Bulgaria		0.858			0.056		1.346			0.081
Croatia		0.670		0.006	0.030		0.639		0.007	0.030
Cyprus		0.065					0.078			
Czech Republic	2.860	1.753		0.038	0.306	3.012	1.627		0.024	0.257
Denmark		0.774			0.012		1.871			0.013
Estonia		0.005					0.003			
Finland	1.060	1.157			0.249	1.286	2.486			0.336
France		7.775		0.045	1.507		7.808		0.024	1.251
Georgia		0.100			0.148		0.103			0.138
Germany	11.620	26.797		0.027	2.326	11.575	30.690		0.030	2.420
Greece		0.266					0.106			
Hungary	1.058	0.074		0.070	0.010	0.707	0.051		0.109	0.024
Iceland		0.179			0.015		0.174			0.014
Ireland		1.560					1.492			

Contd.....

Table 11.6 : Import of Coal, Coke and Lignite by major Coal Importing Countries during 2021 & 2022 e

(Qty. in MT)

Country	2021					2022 e				
	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Italy	1.627	6.286		0.001	0.632	1.971	9.839		0.000	0.314
Kosovo		0.015		0.048			0.008		0.010	
Latvia		0.037			0.000		0.045			
Lithuania		0.225			0.017		0.295	0.025	0.002	0.015
Luxembourg		0.059			0.000		0.062			0.001
Montenegro		0.000					0.000			
Netherlands	4.037	4.811		0.009	0.077	3.918	5.106		0.016	0.029
Norway		0.882			0.323		0.814			0.389
Poland	3.123	9.260		0.130	0.222	3.010	16.969		0.264	0.154
Portugal		0.003			0.009		0.003			0.007
Republic of Moldova	0.006	0.119					0.127			
Romania	0.009	0.115	0.589	0.008	0.891	0.007	0.093	0.540	0.008	0.620
Russian Federation	0.485	21.315		2.201	0.132	0.490	19.881		2.201	
Serbia		0.302		0.386	0.576		0.669		0.854	1.274
Slovak Republic	2.690	0.637		0.234	0.166	2.367	0.576		0.436	0.162
Slovenia		0.006	0.169		0.030		0.004	0.443		0.027
Spain	1.421	3.854			0.800	1.728	8.169			0.467
Sweden	1.336	0.777			0.168	1.274	0.605			0.399
Switzerland		0.033		0.106	0.014		0.039		0.106	0.015
Ukraine	11.479	8.079			0.790	4.707	1.616			
United Kingdom	2.112	2.496			1.089	1.744	4.614			1.206
Europe	**49.490**	**106.124**	**0.814**	**3.351**	**11.748**	**42.372**	**122.427**	**1.075**	**4.134**	**11.130**
Australia	0.055	0.087			0.316	0.057	0.049			0.448
New Zealand		0.039	1.806	0.000			0.040	0.687	0.000	
Australia and Oceania	**0.055**	**0.126**	**1.806**	**0.000**	**0.316**	**0.057**	**0.089**	**0.687**	**0.000**	**0.448**
Algeria	0.015	0.000			0.419	0.019	0.000			
Benin		0.158					0.045			
Egypt		3.126			0.569	0.356	2.375			
Ethiopia		0.350					0.369			
Kenya		0.954					1.168			
Kingdom of Eswatini		0.081					0.081			
Madagascar		0.428					0.511			
Mauritius		0.737					0.580			
Morocco		10.941					10.762			
Namibia		0.025					0.032			
Other Africa		1.081					0.677			
Republic of North Macedonia		0.046	0.066	0.290	0.000		0.001	0.065	0.684	0.000
Rwanda		0.000	0.038				0.000	0.041		
Senegal		0.841					0.502			
South Africa	0.579	0.000				0.479	0.000			
Zimbabwe		0.003					0.003			
Africa	**0.594**	**18.770**	**0.104**	**0.290**	**0.988**	**0.854**	**17.106**	**0.106**	**0.684**	**0.000**

Contd.....

Table 11.6 : Import of Coal, Coke and Lignite by major Coal Importing Countries during 2021 & 2022 e

(Qty. in MT)

Country	2021					2022 e				
	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bangladesh		6.066					6.546			
Brunei Darussalam		0.000		1.297			0.000		1.203	
Cambodia		0.000	2.026				0.000	2.101		
Chinese Taipei	7.137	49.248	11.016		0.200	5.926	50.649	10.440		
Democratic People's Republic of Korea		0.000			0.098		0.000			
Hong Kong (China)		6.533					6.217			
India	59.284	57.207	71.052	0.667	2.481	58.133	68.458	85.026	0.798	
Indonesia	14.469	0.000				12.493	0.000			
Islamic Republic of Iran	0.033	0.594			0.371	0.039	0.549			
Israel		6.571					6.561			
Japan	43.803	140.148			2.160	42.766	138.260			0.852
Jordan		0.261			0.065		0.274			
Kazakhstan	0.410	0.016		0.000	1.066	0.057	0.001			
Korea	35.923	81.380	8.313		0.328	33.819	82.775	8.557		0.287
Kyrgyzstan		0.822		0.003			0.458		0.004	
Lebanon		0.171					0.171			
Malaysia		30.530			2.061		30.072			
Mongolia		0.000		0.009			0.000			
Myanmar		0.825					0.273			
Nepal		1.975					1.061			
Other Non-OECD Asia		0.869			0.002		0.766			
Pakistan		19.932					18.464			
People's Republic of China	54.697	277.816			1.333	63.837	230.983			
Philippines		0.000	32.346				0.000	32.600		
Republic of Turkiye	5.521	31.668			1.170	5.209	31.349			1.227
Singapore		0.753					0.768			
Sri Lanka		2.544					1.966			
Syrian Arab Republic		0.000			0.001		0.000			
Tajikistan		0.097					0.096			
Thailand		24.895		0.276	0.014		22.233		0.392	
United Arab Emirates	2.549	1.418		0.000	0.001	2.549	0.550		0.000	
Uzbekistan		0.918		1.499			1.021		0.964	
Viet Nam	9.263	11.856	13.954		1.303	7.615	12.124	14.744		
Yemen		0.107					0.165			
Asia	**233.090**	**755.221**	**138.706**	**3.751**	**12.654**	**232.444**	**712.811**	**153.468**	**3.362**	**2.365**
World Total	**299.797**	**918.421**	**144.091**	**7.505**	**30.090**	**292.245**	**884.002**	**159.132**	**8.245**	**17.905**

Table 11.7 : Export of Coal, Coke and Lignite by major Exporting Countries During 2021 & 2022 e

(Qty. in MT)

Country	2021					2022 e				
	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	26.193	5.287	0.084	0.106	0.094	28.055	8.118	0.123	0.064	0.242
Mexico		0.004					0.005			
United States	40.796	30.570	5.825	0.024	1.890	42.103	30.831	3.937	0.026	2.115
North America	**66.989**	**35.861**	**5.909**	**0.130**	**1.984**	**70.158**	**38.954**	**4.060**	**0.090**	**2.357**
Bolivarian Republic of Venezuela		0.181					0.123			
Chile		0.000			0.063		0.000			
Colombia	1.165	54.285			4.032	1.916	54.490			4.373
Peru		0.021					0.134			
South America	**1.165**	**54.486**			**4.095**	**1.916**	**54.747**			**4.373**
Albania		0.000					0.028		0.182	
Austria		0.000		0.000	0.000		0.000		0.000	0.000
Belarus		1.213					1.213			
Belgium		0.061	0.000		0.043		0.097	0.001		0.023
Bosnia and Herzegovina		0.000		0.161	0.446		0.000		0.832	0.403
Bulgaria		0.000		0.008			0.000		0.466	
Czech Republic	1.007	0.439		0.337	0.655	0.591	0.337		0.977	0.593
Denmark		0.583					0.000			
Estonia		0.000			0.017		0.000			0.009
Finland		0.113			0.028		0.000			0.037
France		0.000			0.006		0.000			0.009
Georgia		0.000		0.001			0.000		0.000	
Germany	0.008	0.911			0.641	0.112	0.847			0.774
Greece		0.000					0.000			
Hungary		0.000		0.003	0.439		0.000		0.003	0.130
Italy		0.000			0.249		0.000			0.335
Kosovo		0.001		0.266			0.000		0.165	
Latvia		0.009					0.007			
Montenegro		0.000		0.148			0.000		0.217	
Netherlands		0.000			0.012		0.000			0.082
Norway		0.082					0.084			0.000
Poland	3.375	3.054		0.009	7.269	3.255	2.096		0.000	6.323
Portugal		0.000					0.000			
Romania		0.000			0.035		0.000		0.226	
Russian Federation	31.616	166.169		14.219	3.293	42.433	150.606		16.778	
Serbia		0.000		0.040			0.000		0.023	
Slovak Republic		0.000			0.001		0.000			0.003
Spain	0.040	0.587			0.102		1.420			0.166
Sweden		0.000			0.024		0.000			0.033
Switzerland		0.000			0.000		0.000			0.000
Ukraine	0.005	0.000			0.195		0.000			
United Kingdom	0.004	1.126				0.009	0.581			
Europe	**36.055**	**174.348**	**0.000**	**15.194**	**13.454**	**46.400**	**157.316**	**0.001**	**19.870**	**8.920**

Contd.....

Table 11.7 : Export of Coal, Coke and Lignite by major Exporting Countries During 2021 & 2022 e

(Qty. in MT)

Country	2021					2022 e				
	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Australia	171.273	193.234			0.696	162.521	196.216			0.833
New Zealand	1.122	0.068	0.055			1.134	0.098	0.046		
Australia & Oceania	**172.395**	**193.302**	**0.055**	**0.000**	**0.696**	**163.655**	**196.314**	**0.046**	**0.000**	**0.833**
Botswana		0.581					0.302			
Egypt		0.000					0.000			
Kingdom of Eswatini		0.125					0.125			
Mozambique	5.222	5.261				6.791	6.323			
Republic of North Macedonia		0.000	0.000				0.000	0.003	0.049	0.000
South Africa	1.022	62.539				0.846	67.377			
United Republic of Tanzania		0.194					1.710			
Zimbabwe		0.321			0.996		0.173			
Africa	**6.245**	**69.022**	**0.000**		**0.996**	**7.637**	**76.010**	**0.003**	**0.049**	**0.000**
Chinese Taipei		0.001			0.046		0.001			
India	0.001	1.168			0.500	0.001	0.958			
Indonesia	6.000	71.387	360.385			6.000	52.990	411.909		
Islamic Republic of Iran		0.197			0.361		0.135			
Japan		0.006			2.278		0.004			0.800
Kazakhstan	1.407	25.804		3.203	0.030	2.136	29.761		3.732	
Kyrgyzstan		0.512		0.549			0.702		0.796	
Lao People's Democratic Republic		0.473		0.330			0.267		0.330	
Mongolia	13.764	2.109		0.043		14.037	1.992		0.414	
Other Non-OECD Asia		0.306			0.070		1.065			
People's Republic of China	0.092	2.494			2.572	0.255	4.473			
Philippines		0.000	9.298				0.000	8.698		
Republic of Turkiye	0.000	0.304		0.033	0.017	0.001	0.661		0.014	0.097
Tajikistan		0.034					0.034			
Thailand		0.152					0.154			
Uzbekistan		0.001					0.000			
Viet Nam		1.812			0.000		0.828			
Asia	**21.264**	**106.759**	**369.683**	**4.159**	**5.874**	**22.430**	**94.024**	**420.607**	**5.286**	**0.897**
World Total	**304.114**	**633.778**	**375.647**	**19.482**	**27.097**	**312.197**	**617.364**	**424.716**	**25.295**	**17.380**

Table 11.8 : Domestic Supply of Coal, Coke and Lignite by major Countries during 2021 & 2022 e

(Qty. in MT)

Country	2021					2022 e				
	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	2.817	2.133	8.051	7.962	3.063	1.200	1.950	4.563	6.367	2.806
Costa Rica		0.021					0.030			
Cuba		0.001			0.001		0.001			
Dominican Republic		2.632					2.187			
El Salvador		0.000			0.001		0.000			
Guatemala		1.426					1.244			
Honduras		0.029					0.190			
Jamaica		0.099					0.065			
Mexico	1.798	5.249	4.438	0.263	2.164	1.793	8.266	6.135	0.272	1.957
Panama		0.897					0.837			
United States	16.051	171.516	260.834	44.111	9.714	14.592	163.621	247.772	41.964	8.328
North America	**20.666**	**184.003**	**273.323**	**52.336**	**14.942**	**17.585**	**178.392**	**258.470**	**48.603**	**13.091**
Argentina	0.976	0.796			1.096	1.153	0.651			1.293
Bolivarian Republic of Venezuela		0.072					0.074			
Brazil	10.649	9.098	5.156	2.168	11.513	10.082	5.740	3.564	2.650	10.751
Chile	0.538	11.692			0.304	0.643	7.384			0.484
Colombia	3.665	3.614			0.044	3.775	4.042			0.048
Other Non-OECD Americas		0.000			0.000		0.000			
Paraguay		0.001					0.001			
Peru		0.651			0.000		0.669			
Plurinational State of Bolivia		0.010					0.009			
Uruguay		0.006			0.000		0.012			
South America	**15.829**	**25.940**	**5.156**	**2.168**	**12.958**	**15.652**	**18.582**	**3.564**	**2.650**	**12.576**
Albania		0.403					0.256			
Armenia	0.000	0.018		0.000		0.000	0.026		0.000	
Austria	1.739	1.011	0.055	0.005	2.251	1.721	0.780	0.065	0.003	2.217
Belarus		0.679			0.039		0.679			
Belgium	1.703	1.381	0.136		1.475	1.731	1.393	0.093		1.653
Bosnia and Herzegovina	1.320	0.181		13.227	0.523	1.126	0.206		12.952	0.482
Bulgaria		0.858		28.527	0.057		0.704		35.060	0.073
Croatia		0.665		0.006	0.030		0.660		0.007	0.030
Cyprus		0.066					0.053			
Czech Republic	3.427	2.528		29.675	2.187	3.329	2.246		32.657	2.006
Denmark		1.834			0.011		1.775			0.013
Estonia		0.004					0.003			
Finland	1.173	1.822			1.106	1.170	2.032			0.939
France		8.832		0.046	3.873		8.051		0.024	3.661
Georgia		0.107		0.151	0.142		0.138		0.146	0.137
Germany	10.722	26.651		126.182	9.933	11.463	28.740		130.802	9.084
Greece		0.287		13.214			0.124		13.863	
Hungary	1.074	0.075		5.035	0.430	0.727	0.060		4.974	0.337
Iceland		0.179			0.015		0.174			0.014
Ireland		1.479					1.184			
Italy	1.700	6.459		0.001	1.741	1.946	9.596		0.000	1.584
Kosovo		0.014		8.368			0.008		8.918	
Latvia		0.030			0.000		0.020			
Lithuania		0.247			0.017		0.223	0.023	0.002	0.016

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Table 11.8 : Domestic Supply of Coal, Coke and Lignite by major Countries during 2021 & 2022 e

(Qty. in MT)

Country	2021					2022 e				
	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Luxembourg		0.061			0.000		0.061			0.001
Montenegro		0.000		1.403			0.000		1.517	
Netherlands	4.064	4.911		0.009	1.877	3.961	4.844		0.016	1.789
Norway		0.928			0.319		0.817			0.383
Poland	12.964	57.018		52.615	2.265	11.879	53.602		54.802	2.060
Portugal		0.318			0.011		0.002			0.007
Republic of Moldova	0.006	0.147					0.120			
Romania	0.009	0.111	0.667	18.205	0.828	0.007	0.110	0.551	18.022	0.636
Russian Federation	68.829	106.576		63.241	45.058	66.015	116.350		68.301	
Serbia		0.275		37.017	0.569		0.623		36.392	1.263
Slovak Republic	2.719	0.778		1.306	1.725	2.349	0.564		1.289	1.502
Slovenia		0.006	0.299	2.833	0.029		0.004	0.317	2.204	0.028
Spain	1.461	2.917			1.815	1.833	4.061			1.555
Sweden	1.268	0.812			1.281	1.379	0.692			1.281
Switzerland		0.035		0.103	0.014		0.041		0.105	0.015
Ukraine	11.475	23.632			9.923	4.707	3.171			
United Kingdom	2.390	4.895			2.406	2.054	4.084			2.502
Europe	**128.041**	**259.231**	**1.156**	**401.171**	**91.949**	**117.398**	**248.279**	**1.049**	**422.059**	**35.267**
Australia	2.110	30.030	24.589	41.622	2.060	9.199	32.371	23.842	40.296	1.916
New Zealand	0.002	0.098	2.815	0.286	0.449	0.004	0.101	1.685	0.276	0.398
Australia and Oceania	**2.112**	**30.128**	**27.404**	**41.908**	**2.509**	**9.203**	**32.472**	**25.527**	**40.572**	**2.314**
Algeria	0.019	0.000			0.420	0.019	0.000			
Benin		0.126					0.045			
Botswana		1.540					2.279			
Egypt		3.126			0.569	0.356	2.375			
Ethiopia		0.358					0.377			
Kenya		0.954					1.168			
Kingdom of Eswatini		0.081					0.081			
Madagascar		0.428					0.511			
Mauritius		0.737					0.580			
Morocco		10.630					10.768			
Mozambique		0.011					0.011			
Namibia		0.025					0.032			
Niger		0.000		0.243			0.000		0.261	
Nigeria		2.506					3.043			
Republic of North Macedonia		0.039	0.109	4.239	0.001		0.001	0.050	5.724	0.001
Rwanda		0.000	0.038				0.000	0.041		
Senegal		0.841					0.502			
South Africa	2.398	163.265			1.439	1.984	160.178			
United Republic of Tanzania		0.782					0.802			
Zambia		0.819					0.819			
Zimbabwe	1.530	1.825			0.118	2.454	1.887			
Other Africa		1.111					0.762			
Africa	**3.946**	**189.205**	**0.148**	**4.482**	**2.546**	**4.813**	**186.221**	**0.091**	**5.985**	**0.001**

Contd.....

Table 11.8 : Domestic Supply of Coal, Coke and Lignite by major Countries during 2021 & 2022 e

(Qty. in MT)

Country	2021					2022 e				
	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke	Coking Coal	Anthracite & Other Bituminous Coal	Sub-Bituminous Coal	Lignite	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bahrain		0.000					0.000			
Bangladesh		6.820					7.300			
Brunei Darussalam		0.000		1.297			0.000		1.203	
Cambodia		0.000	2.026	0.108			0.000	2.101	0.113	
Chinese Taipei	7.014	47.978	11.119		6.544	6.183	50.647	10.440		
Democratic People's Republic of Korea		19.603	1.383		0.098		20.224	1.427		
Hong Kong (China)		5.793					5.699			
India	110.878	827.184	71.052	49.749	45.495	118.512	923.075	85.026	46.471	
Indonesia	14.469	11.393	121.651			12.493	49.375	139.028		
Iraq		0.000					0.000			
Islamic Republic of Iran	1.536	0.547			1.425	1.536	0.563			
Israel		6.387					6.476			
Japan	43.803	140.802			30.075	42.766	138.937			28.653
Jordan		0.261			0.065		0.274			
Kazakhstan	3.046	72.747		1.406	3.366	2.676	69.555		1.932	
Korea	35.728	83.579	8.313		15.821	33.607	84.157	8.557		15.062
Kuwait		0.000					0.000			
Kyrgyzstan		0.791		1.928			0.288		2.313	
Lao People's Democratic Republic		0.226		13.105			0.232		13.459	
Lebanon		0.171					0.171			
Malaysia		34.126			2.061		33.803			
Mongolia	0.086	2.920		7.086	0.059	0.094	1.300		4.388	
Myanmar		0.825	0.992	0.588			0.273	0.992	0.276	
Nepal		1.989					1.075			
Oman		0.000					0.000			
Pakistan		24.454		5.238			26.071		4.408	
People's Republic of China	607.722	3706.810			465.341	622.138	3890.864			
Philippines		0.000	35.834				0.000	38.385		
Qatar		0.000					0.000			
Republic of Turkiye	6.121	31.960	1.698	84.830	5.376	5.784	31.148		79.076	5.598
Saudi Arabia		0.000					0.000			
Singapore		0.753					0.768			
Sri Lanka		2.671					1.966			
Syrian Arab Republic		0.000			0.001		0.000			
Tajikistan		2.055		0.096			2.124		0.113	
Thailand		19.604		14.523	0.055		18.948		14.034	
Turkmenistan		0.000					0.000			
United Arab Emirates	2.549	1.418		0.000	0.001	2.549	0.550		0.000	
Uzbekistan		1.185		5.871			1.253		6.206	
Viet Nam	9.413	61.231	13.954		8.190	7.765	59.172	14.744		
Yemen		0.107					0.165			
Other Asia		2.665					2.665			
Asia	**842.364**	**5119.056**	**268.022**	**185.825**	**583.975**	**856.103**	**5429.118**	**300.700**	**173.992**	**49.313**
World Total	**1012.959**	**5807.562**	**575.209**	**687.890**	**708.879**	**1020.754**	**6093.063**	**589.402**	**693.860**	**112.561**

12. MINE STATISTICS

Section XII

12.1 Mine Statistics

12.1.1 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 (Table12.1), Number of Mines, State Wise (Table12.2), Number of Mines, Sector Wise (Table12.3), Number of Mines, Captive/Non Captive(Table12.4), Number of Mines, Public/ Private, Captive/Non Captive (Table12.5), Number of Working Coal Mines (Table12.6), Number of working Lignite Mines (Table12.7), Number of Mines - State Wise, Public/Private, Captive/Non Captive (Table12.8), and Number of Lignite Mines, State Wise, Public/Private, Captive/Non Captive (Table12.9) as on 31.03.2023.

12.1.2 As on 31.03.23, the total number of producing coal mines was 422. The State Wise distribution of these coal mines is given in Statement 12.1.

Statement 12.1: State-Wise distribution of Coal Mines as on 31/03/2023

State	No. of Coal Mines		
	Captive	Non-Captive	Total
Assam		1	**1**
Chhattisgarh	12	38	**50**
Jammu & Kashmir		2	**2**
Jharkhand	6	114	**120**
Madhya Pradesh	8	48	**56**
Maharashtra	4	47	**51**
Odisha	7	18	**25**
Uttar Pradesh		4	**4**
Telangana	1	42	**43**
West Bengal	5	65	**70**
All India	**43**	**379**	**422**

12.1.3 As on 31.03.2023, the total number of operating lignite mines was reported to be 20. The State Wise distribution of these lignite mines is given in Statement 12.2.

Statement 12.2: State-Wise distribution of Lignite Mines as on 31/03/2023

State	No. of Coal Mines		
	Captive	Non-Captive	Total
Gujarat	11	0	**11**
Rajasthan	5	1	**6**
Tamil Nadu	0	3	**3**
All India	**16**	**4**	**20**

12.1.4 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.

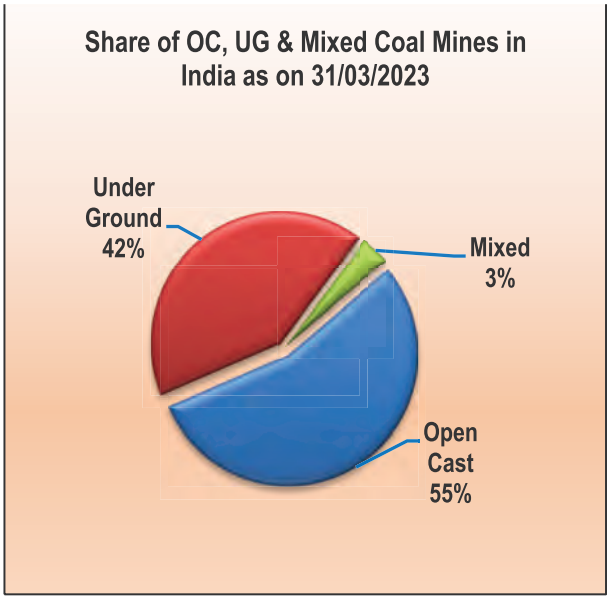


Chart-XII.I : Number of Coal Mines State Wise as on 31/03/2023

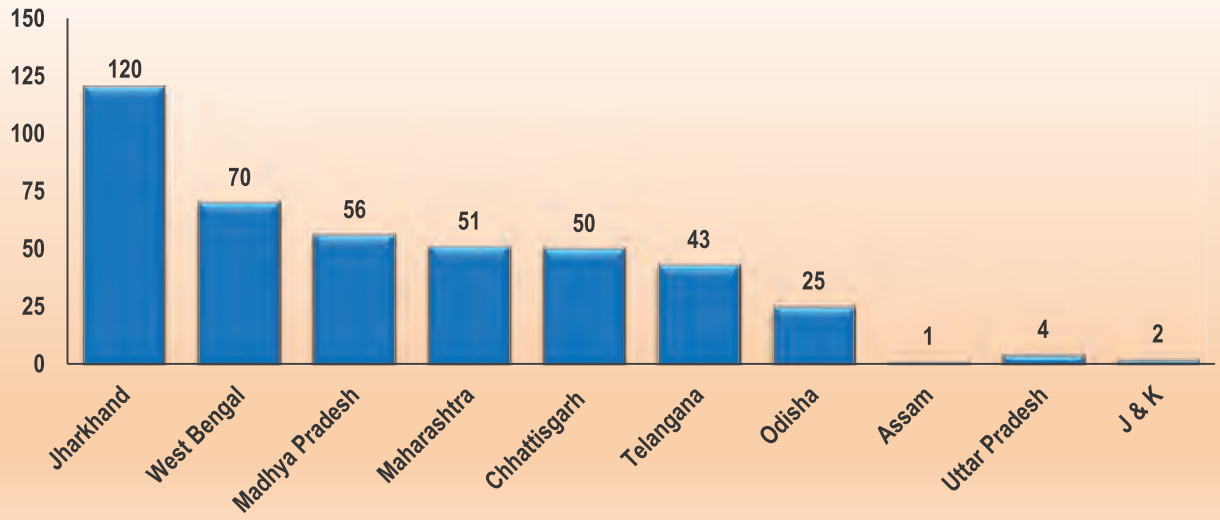


Chart-XII.II : Share of OC, UG & Mixed Coal Mines in India as on 31/03/2023

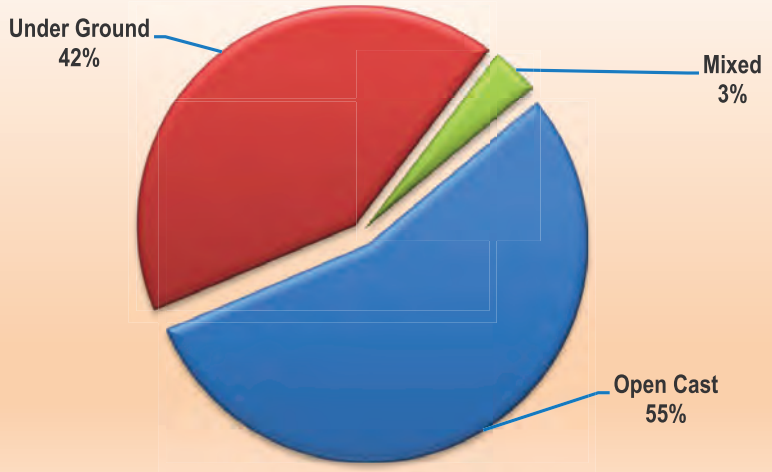


Chart-XII.III : No. of Lignite Mines as on 31/03/2023

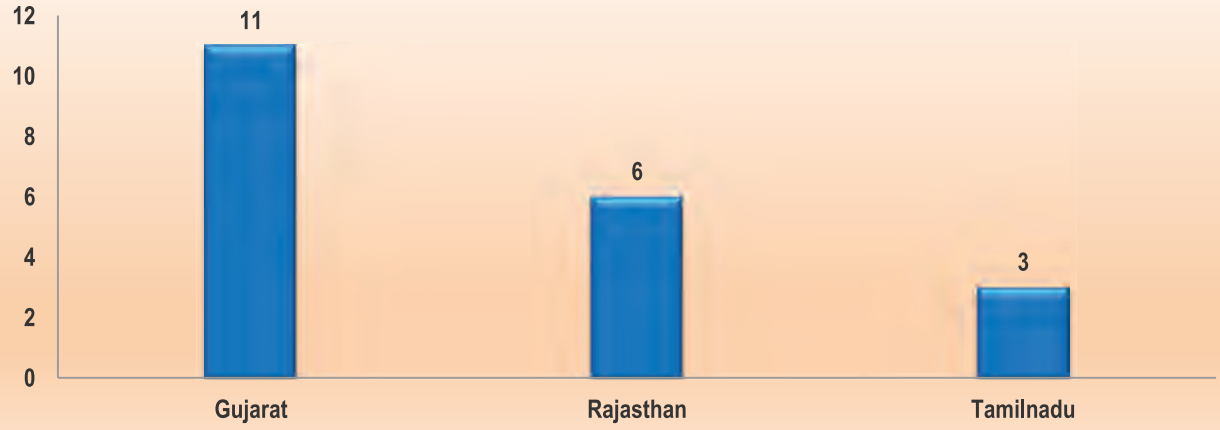
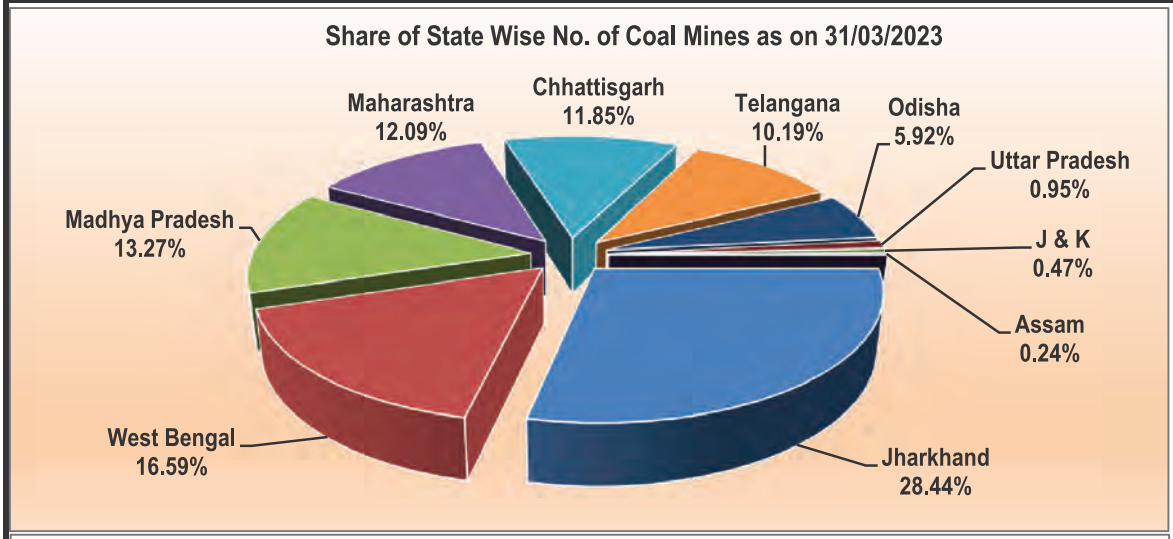


Table 12.1: Number of Producing Coal & Lignite Mines Company Wise as on 31/03/2023

Coal / Lignite	Company	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	ECL	22	47	10	79
	BCCL	26	4	2	32
	CCL	42	11	0	53
	NCL	10	0	0	10
	WCL	35	26	1	62
	SECL	18	47	0	65
	SECL(GP-IV/2&3)	2	0	0	2
	MCL	15	3	0	18
	NEC	1	0	0	1
	CIL	**171**	**138**	**13**	**322**
	SCCL	18	24	0	42
	JKML	0	2	0	2
	JSMDCL	1	0	0	1
	DVC	2	0	0	2
	IISCO	1	3	0	4
	SAIL	1	0	0	1
	RRVUNL	2	0	0	2
	NTPC	4	0	0	4
	WBPDCL	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
	APMDCL	1	0	0	1
	PSPCL	1	0	0	1
	THDC	1	0	0	1
	KPCL	1	0	0	1
	PUBLIC	**214**	**167**	**13**	**394**
	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
	JPL	1	0	0	1
	RCCPL	0	1	0	1
	TUML	1	0	0	1
	OCL	1	0	0	1
	AMBUJA	0	1	0	1
	BSIL	1	0	0	1
	UTCL	0	1	0	1
	SEML	1	0	0	1
	Vedanta	1	0	0	1
	BSMPL	1	0	0	1
	PRIVATE	**17**	**9**	**2**	**28**
	Total	**231**	**176**	**15**	**422**
Lignite	NLCL	4			4
	GMDCL	6			6
	GIPCL	2			2
	GHCL	1			1
	GPCL	1			1
	RSMML	3			3
	VSLPPL	1			1
	BLMCL	2			2
	Total	**20**			**20**

Table 12.2: Number of Producing Coal & Lignite Mines State Wise as on 31/03/2023

Coal / Lignite	States	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	Arunachal Pradesh	0	0	0	0
	Assam	1	0	0	1
	Chhattisgarh	21	28	1	50
	J & K	0	2	0	2
	Jharkhand	88	27	5	120
	Madhya Pradesh	20	35	1	56
	Maharashtra	36	15	0	51
	Odisha	22	3	0	25
	Telangana	19	24	0	43
	Uttar Pradesh	4	0	0	4
	West Bengal	20	42	8	70
	All India	**231**	**176**	**15**	**422**
Lignite	Gujarat	10			10
	Rajasthan	7			7
	Tamilnadu	3			3
	All India	**20**			**20**



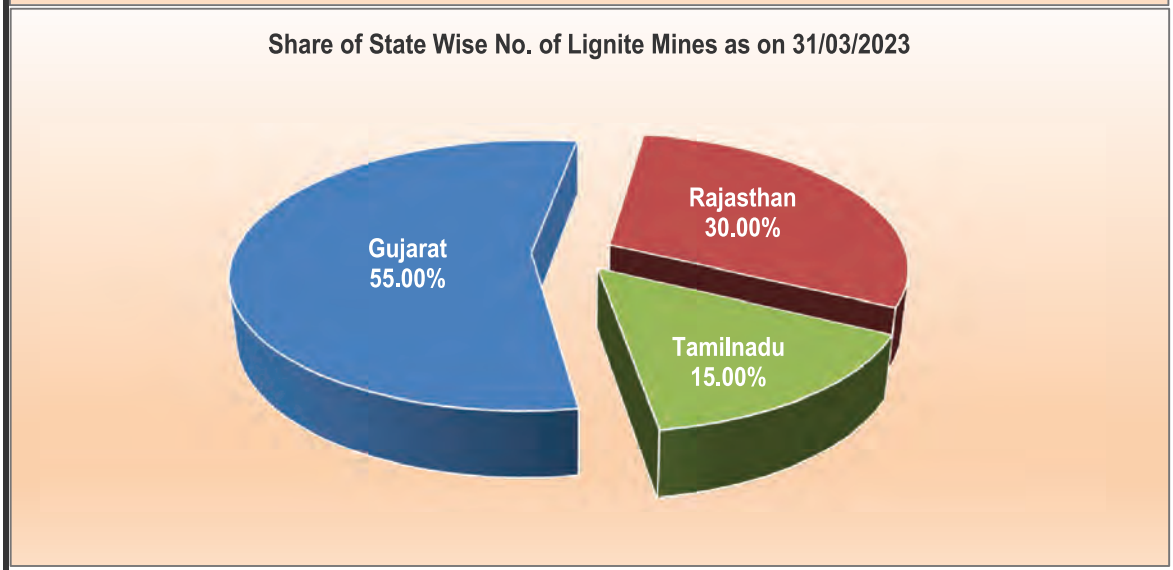


Table 12.3 : Number of Producing Coal & Lignite Mines (Public/Private) as on 31/03/2023

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	Public	214	167	13	394
	Private	17	9	2	28
Total		231	176	15	422
Lignite	Public	17			17
	Private	3			3
Total		20			20

Table 12.4: Number of Producing Coal & Lignite Mines (Non Captive & Captive) as on 31/03/2023

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	Captive	37	5	1	43
	Non Captive	194	171	14	379
Total		231	176	15	422
Lignite	Captive	16			16
	Non Captive	4			4
Total		20			20

Table 12.5: Number of Mines Public & Private and Captive & Non Captive as on 31/03/2023

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	Public Non-Captive	191	167	13	371
	Private Non-Captive	3	4	1	8
	Public Captive	23	0	0	23
	Private Captive	14	5	1	20
Total		231	176	15	422
Lignite	Public Captive	13			13
	Public Non-Captive	4			4
	Private Captive	3			3
	Private Non-Captive	0			0
Total		20			20

Table 12.6: Number of Working Coal Mines as on 31/03/2023
(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			0	8	5	2	15				0
BCCL			0			0				0			0	26	4	2	32				0
CCL			0			0				0			0	42	11		53				0
NCL			0			0				0			0				0	6			6
WCL			0			0				0			0				0	2	12	1	15
SECL			0			0	12	26		38			0				0	6	21		27
SECL(GP-IV/2&3)			0			0	2			2			0				0				0
MCL			0			0				0			0				0				0
NEC			0	1		1				0			0				0				0
CIL	0	0	0	1	0	1	14	26	0	40	0	0	0	76	20	4	100	14	33	1	48
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	2			2				0
IISCO			0			0				0			0		3		3				0
SAIL			0			0				0			0	1			1				0
RRVUNL			0			0	2			2			0				0				0
NTPC			0			0	1			1			0	2			2				0
WBPDCL			0			0				0			0	1			1				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
APMDCL			0			0				0			0				0	1			1
PSPCL			0			0				0			0	1			1				0
THDC			0			0				0			0				0	1			1
KPCL			0			0				0			0				0				0
PUBLIC	0	0	0	1	0	1	18	26	0	44	0	2	2	84	23	4	111	16	33	1	50
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
JPL			0			0	1			1			0	0			0				0
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
BSIL			0			0				0			0	0			0				0
UTCL			0			0				0			0	0			0		1		1
SEML			0			0	1			1			0	0			0				0
Vedanta			0			0				0			0	0			0				0
BSMPL			0			0				0			0	0			0	1			1
PRIVATE	0	0	0	0	0	0	3	2	1	6	0	0	0	4	4	1	9	4	2	0	6
Total	0	0	0	1	0	1	21	28	1	50	0	2	2	88	27	5	120	20	35	1	56

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Table 12.6: Number of Working Coal Mines as on 31/03/2023
(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	14	42	8	64	22	47	10	79
BCCL				0		0			0		0			0				0	26	4	2	32
CCL				0		0			0		0			0				0	42	11	0	53
NCL				0		0			0	4	4			0				0	10	0	0	10
WCL	33	14		47		0			0		0			0				0	35	26	1	62
SECL				0		0			0		0			0				0	18	47	0	65
SECL(GP-IV/2&3)				0		0			0		0			0				0	2	0	0	2
MCL				0		0	15	3	18		0			0				0	15	3	0	18
NEC				0		0			0		0			0				0	1	0	0	1
CIL	33	14	0	47	0	0	15	3	18	4	4	0	0	0	14	42	8	64	171	138	13	322
SCCL				0		0			0		0	18	24	42				0	18	24	0	42
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	2	0	0	2
IISCO				0		0			0		0			0	1			1	1	3	0	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	4	0	0	4
WBPDCL				0		0			0		0			0	3			3	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
DPL				0		0			0		0			0	1			1	1	0	0	1
NLCIL				0		0	2		2		0			0				0	2	0	0	2
APMDCL				0		0			0		0			0				0	1	0	0	1
PSPCL				0		0			0		0			0				0	1	0	0	1
THDC				0		0			0		0			0				0	1	0	0	1
KPCL	1			1		0			0		0			0				0	1	0	0	1
PUBLIC	34	14	0	48	0	0	19	3	22	4	4	19	24	43	19	42	8	69	214	167	13	394
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
JPL				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		0	1		1		0			0				0	1	0	0	1
AMBUJA				0		0			0		0			0				0	0	1	0	1
BSIL	1			1		0			0		0			0				0	1	0	0	1
UTCL				0		0			0		0			0				0	0	1	0	1
SEML	0			0		0			0		0			0				0	1	0	0	1
Vedanta				0		0	1		1		0			0				0	1	0	0	1
BSMPL	0			0		0			0		0			0				0	1	0	0	1
PRIVATE	2	1	0	3	0	0	3	0	3	0	0	0	0	0	1	0	0	1	17	9	2	28
Total	36	15	0	51	0	0	22	3	25	4	4	19	24	43	20	42	8	70	231	176	15	422

Table 12.7: Number of Producing Lignite Mines as on 31/03/2023

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	2		2			0			0	2	0	2
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	2		2	2	0	2
TOTAL			10	0	10	3	0	3	7	0	7	20	0	20

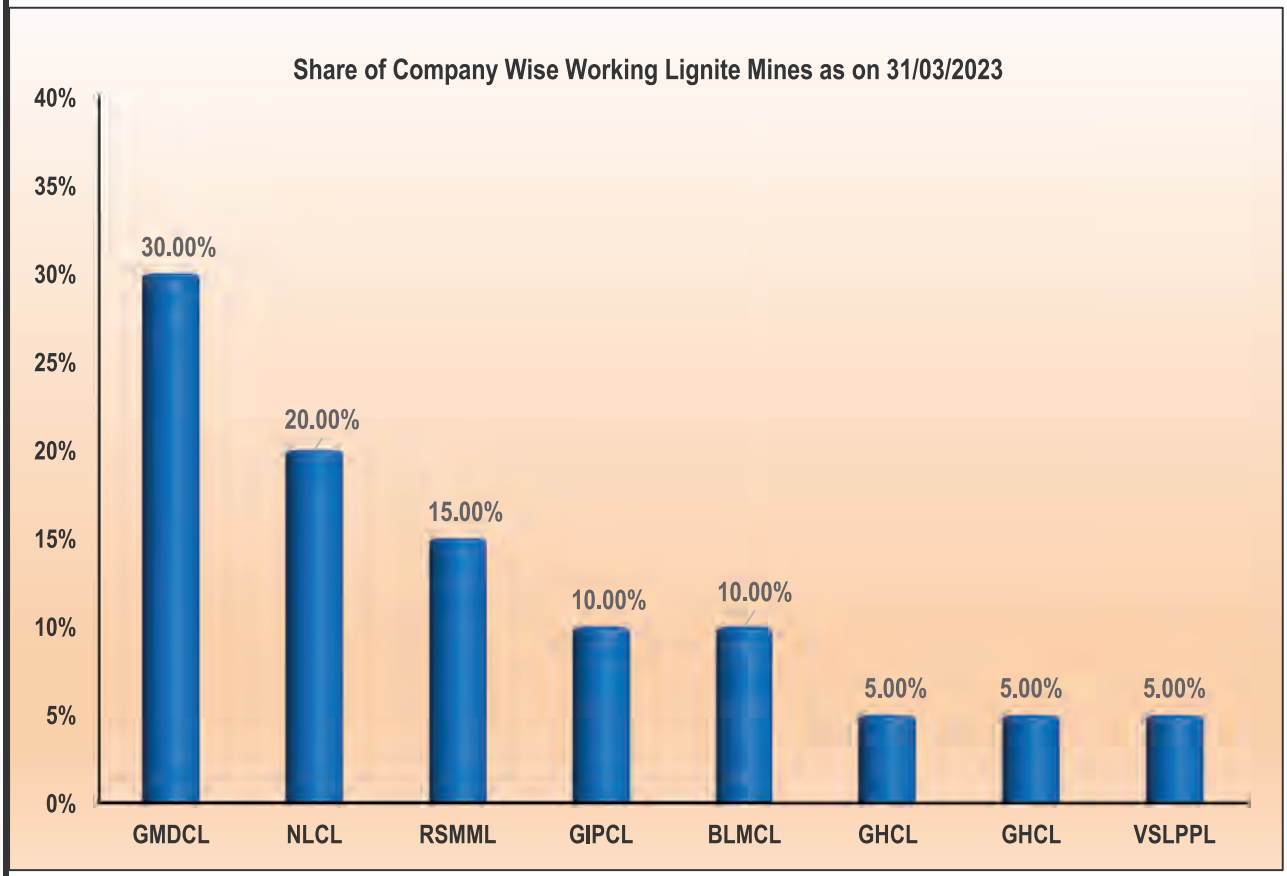
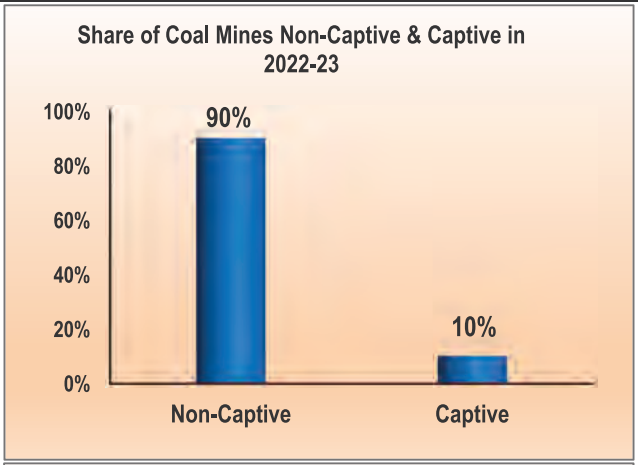


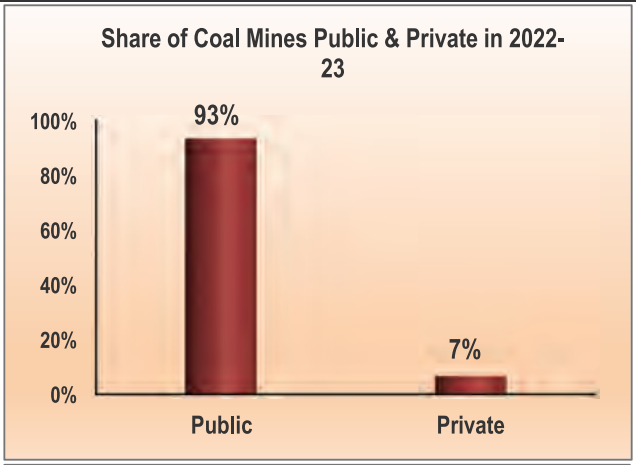
Table 12.8: No. of Coal Mines Captive, Non-Captive, Public and Private as well as State Wise Breakup as on 31/03/2023

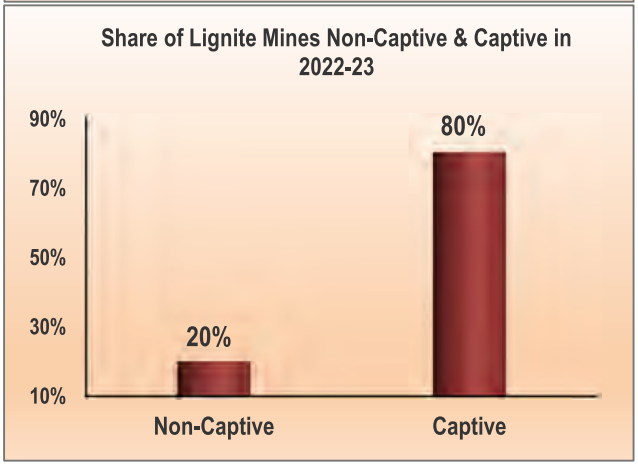
State	Captive	Non-Captive	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Arunachal Pradesh	0	0	**0**	0	0	**0**
Assam	0	1	**1**	1	0	**1**
Chhattisgarh	12	38	**50**	44	6	**50**
Jammu & Kashmir	0	2	**2**	2	0	**2**
Jharkhand	6	114	**120**	111	9	**120**
Madhya Pradesh	8	48	**56**	50	6	**56**
Maharashtra	4	47	**51**	48	3	**51**
Odisha	7	18	**25**	22	3	**25**
Uttar Pradesh	0	4	**4**	4	0	**4**
Telangana	1	42	**43**	43	0	**43**
West Bengal	5	65	**70**	69	1	**70**
All India	**43**	**379**	**422**	**394**	**28**	**422**

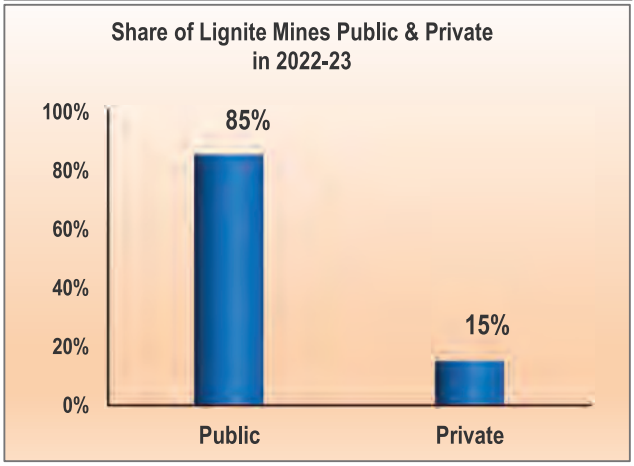
Table 12.9: No. of Lignite Mines Captive, Non-Captive, Public and Private as Well as State Wise Breakup as on 31/03/2023

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**
All India	**16**	**4**	**20**	**17**	**3**	**20**









13. STAR RATING PERFORMANCE

Section XIII

Star Rating

1. Star Rating Policy

13.1.1 The Policy was implemented from F.Y.2018-19. Policy was issued vide OM No: CCSD-51013/09/2018-CCSD, dt.07.03.2019.

13.1.2 Objective of Star Rating: To identify and give proper recognition to best performing mines. Based on compliance of statutory provisions (safety regulations, environment, rehabilitation of project affected families, welfare of workmen), adoption of safer and latest mining technology, economic performance .

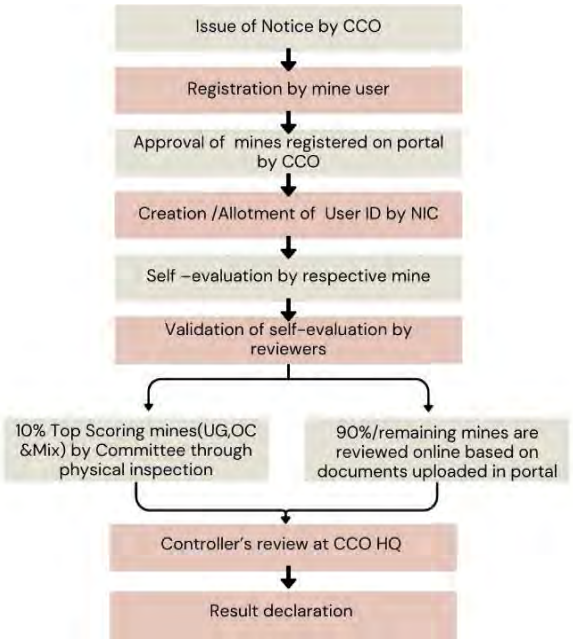
13.1.3 It is a system of self-evaluation and subsequent validation by CCO of all mines (UG, OC & Mix) under various factors, covered under seven modules. Modules to evaluate various parameters for awarding Star Rating are:

- Module-1: Mining Operations related parameter.
- Module-2: Environment related parameters.
- Module-3 : Adoption of technologies: Best mining Practices.
- Module-4: Economic performance.
- Module-5: Rehabilitation and resettlement parameters.
- Module-6 : Workers related parameters.
- Module-7 : Safety and security related parameters.

50 Parameters to be evaluated for OC mines and 47 Parameters to be evaluated for UG mines in all seven modules. Further, In case of mix mine, final rating is decided on weighted average of coal production target for UG and OC section of the mine. The Evaluation is done on total 100 marks.

2. Process of Star Rating

13.2.1 Process of Star Rating evaluation: Through Web Portal designed by NIC



13.2.2 Methodology for Self-Evaluation:

The evaluation to be done under three categories of mines i.e. UG mines, OC mines and Mixed mines.

a. With reference to the evaluation template (OC / UG) the mines are self-evaluated against each parameter.

b. Points are scored for each evaluation parameter in the modules (choosing eligible number from drop down).

c. Some evaluation parameters won't be applicable for which N.A. option from dropdown shall be selected.

d. The sum of maximum points of all applicable parameters and sum of scored points will be calculated.

e. The Star Rating will be done based on percentage of scored points.

f. For mix mine, final rating is decided on weighted average of coal production target for UG and OC section.

Statement 13.1: Star Rating Ranks Criteria	
Percentage of score	**Star Rating**
91 TO 100%	5 Star
81 TO 90%	4 Star
71 TO 80%	3 Star
61 TO 70%	2 Star
41 TO 60%	1 Star
0 TO 40%	No star

g. Submission of self-evaluation is to be done as per prescribed deadline set by CCO.

13.3.1 Statement 13.2 indicates that 24 companies achieved a 5-star rating, while 4 companies did not receive any stars in the performance rating for FY 2021-22. The distribution of star rating performance for these coal mines/lignite is presented below.

Statement 13.2: Star Rating of Coal and Lignite Mines in 2021-22				
Performance	**UG**	**OC**	**Mixed**	**Total**
5 Star	6	18	0	24
4 Star	36	41	0	77
3 Star	66	69	3	138
2 Star	37	53	8	98
1 Star	6	21	5	32
No star	0	4	0	4
Total	**151**	**206**	**16**	**373**

13.3.2 Statement 13.3 indicates that total 461 out of 473 mines was participated in the performance rating for the FY 2021-22. The distribution of participated company wise star performance for these coal mines/lignite is presented below.

Statement 13.3: Company Wise mine Participated in Star Rating in 2021-22		
Companies	**Operating Mines**	**Mines Participated**
BCCL	32	29
CCL	42	42
ECL	78	73
MCL	18	18
NCL	10	10
NEC	1	2
SECL	67	63
WCL	62	58
SCCL	38	38
NLCIL	5	5
Others	45	35
Total Mines	**398**	**373**

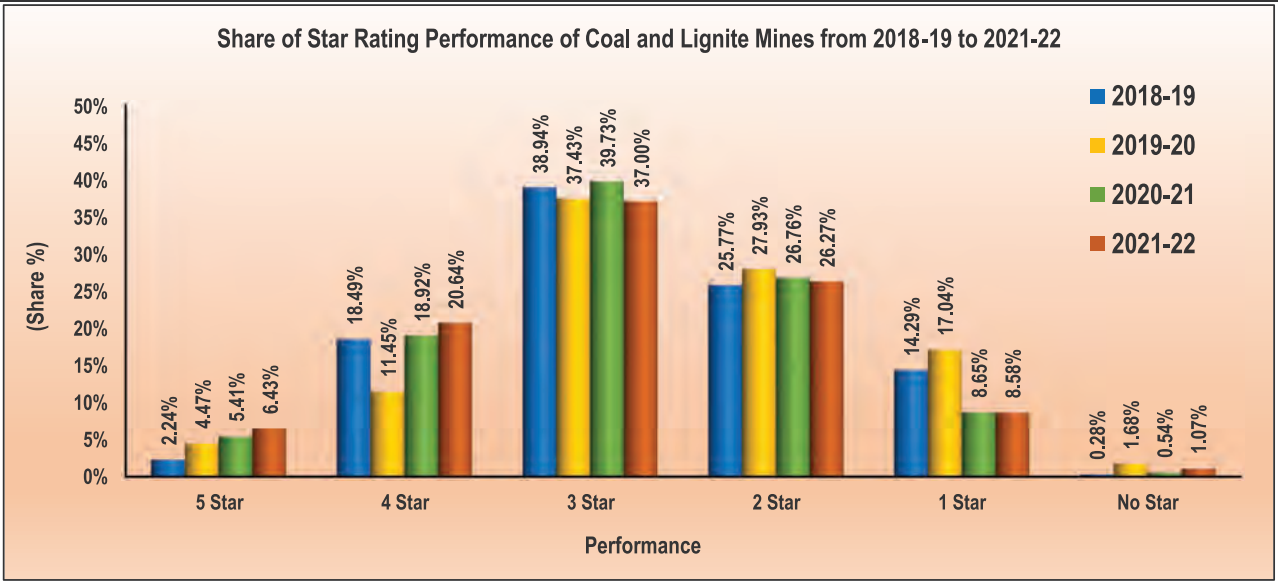
13.3.3 The distribution of star rating performance for Companies wise coal mines/lignite is presented below.

Statement 13.4: Company Wise Star Rating of Coal and Lignite Mines in 2021-22							
Companies	**5 Star**	**4 Star**	**3 Star**	**2 Star**	**1 Star**	**No Star**	**Total**
BCCL	1	4	9	10	5		**29**
CCL		5	20	13	4		**42**
ECL		3	20	37	13		**73**
MCL	1	4	8	5			**18**
MCL	1		1				**2**
NCL	6	4					**10**
NLCIL	4	1					**5**
OTHERS	9	7	7	5	3	4	**35**
SCCL	1	16	17	4			**38**
SECL	1	15	35	6	6		**63**
Total	**25**	**77**	**138**	**98**	**31**	**4**	**373**

Table 13.1 : Type Wise Star Rating Performance of Coal and Lignite Mines from 2018-19 to 2021-22

(Qty. in No.)

Star Rating	2018-19				2019-20				2020-21				2021-22			
	UG	OC	Mixed	Total	UG	OC	Mixed	Total	UG	OC	Mixed	Total	UG	OC	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
5 Star	4	4	0	**8**	5	11	0	**16**	5	15	0	**20**	6	18	0	**24**
4 Star	36	28	2	**66**	20	19	2	**41**	24	46	0	**70**	36	41	0	**77**
3 Star	74	62	3	**139**	74	59	1	**134**	73	72	2	**147**	66	69	3	**138**
2 Star	36	50	6	**92**	40	51	9	**100**	37	51	11	**99**	37	53	8	**98**
1 Star	22	24	5	**51**	17	38	6	**61**	12	15	5	**32**	6	21	5	**32**
No Star	0	1	0	**1**	2	4	0	**6**	2	0	0	**2**	0	4	0	**4**
Total Mines	**172**	**169**	**16**	**357**	**158**	**182**	**18**	**358**	**153**	**199**	**18**	**370**	**151**	**206**	**16**	**373**



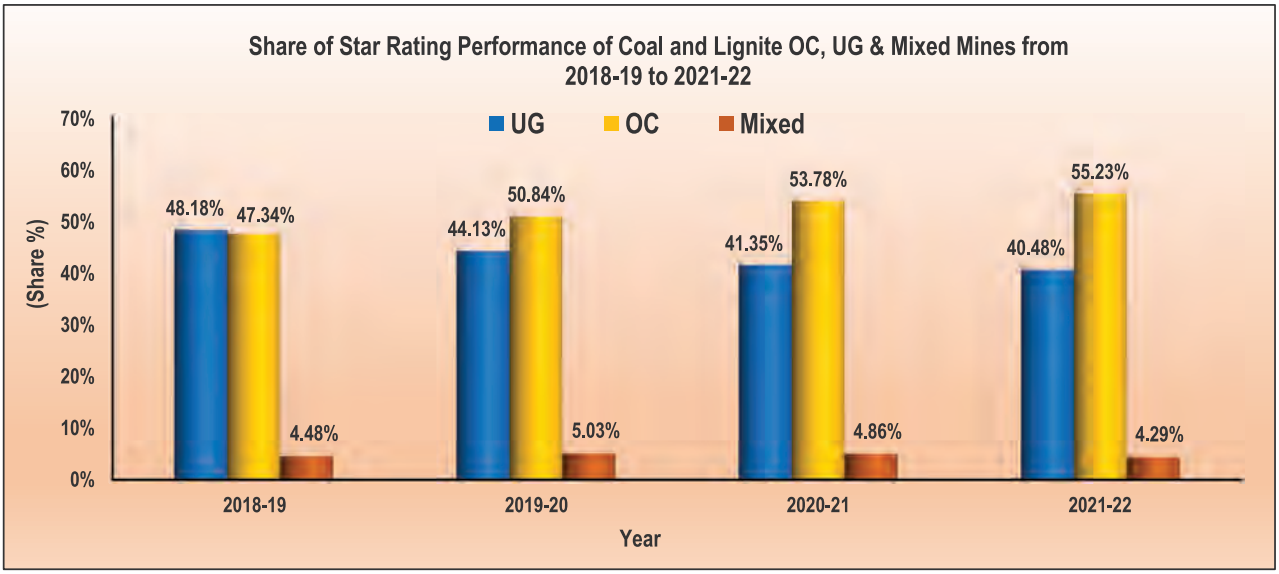
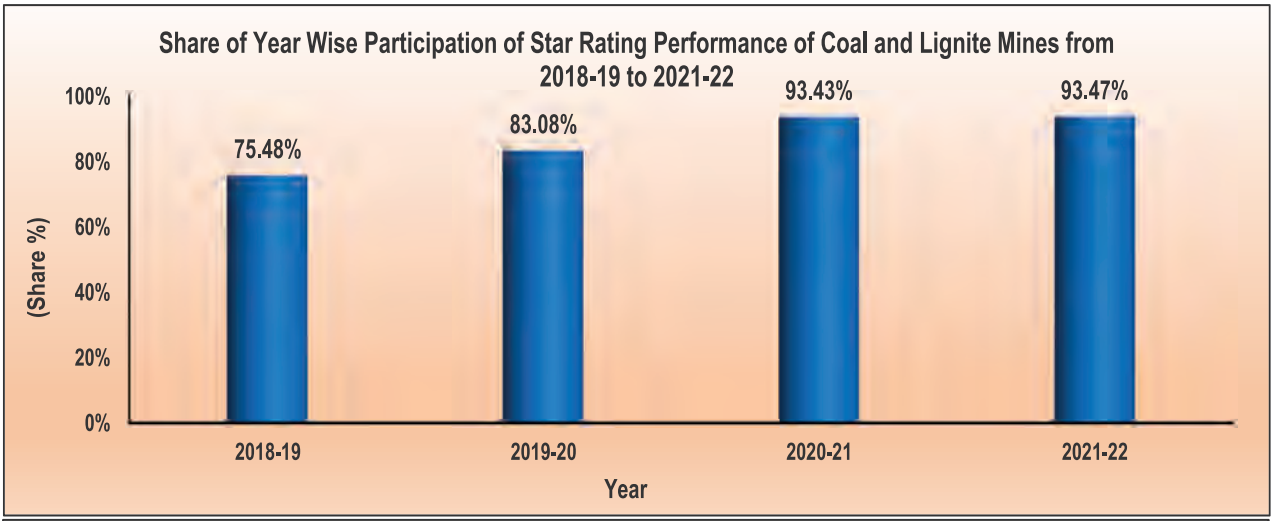


Table 13.2 : Company Wise Operating, Participated and Participation(%) of Star Rating Performance of Coal and Lignite Mines from 2018-19 to 2021-22

(Qty. in No.)

Compinies	Number of Operating Mines				Mines Participated				Participation (%)			
	2018-19	2019-20	2020-21	2021-22	2018-19	2019-20	2020-21	2021-22	2018-19	2019-20	2020-21	2021-22
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
BCCL	38	36	32	32	34	30	32	29	89%	83%	100%	91%
CCL	54	54	43	42	44	41	42	42	81%	76%	98%	100%
ECL	81	78	77	78	77	71	69	73	95%	91%	90%	94%
MCL	25	25	18	18	19	18	18	18	76%	72%	100%	100%
NCL	12	13	10	10	10	10	10	10	83%	77%	100%	100%
NEC	4	3	1	1	2	0	0	2	50%	0%	0%	200%
SECL	76	73	66	67	67	63	64	63	88%	86%	97%	94%
WCL	79	73	60	62	58	56	60	58	73%	77%	100%	94%
SCCL	49	45	38	38	42	36	38	38	86%	80%	100%	100%
NLCIL	4	4	5	5	4	4	5	5	100%	100%	100%	100%
Others	51	57	46	45	0	54	32	35	0%	95%	70%	78%
Total Mines	**473**	**461**	**396**	**398**	**357**	**383**	**370**	**373**	**75%**	**83%**	**93%**	**94%**



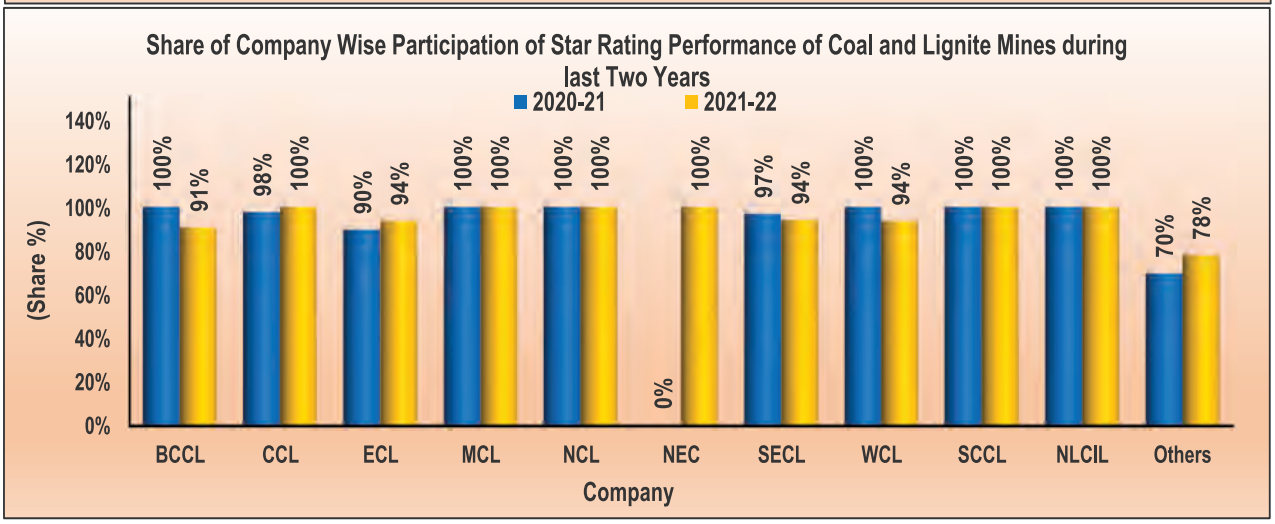


Table 13.3 : Accordigly Based on the Star Rating Policy Company Wise Star Rating of Mines Were Evaluated from 2018-19 to 2021-22

(Qty. in No.)

Company	Year	5 Star	4 Star	3 Star	2 Star	1 Star	No Star	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
ECL	2018-19	2	18	22	24	11		77
	2019-20		6	21	18	25	1	71
	2020-21		5	21	28	15		69
	2021-22		3	20	37	13		73
BCCL	2018-19		1	12	18	3		34
	2019-20		2	3	13	10	2	30
	2020-21		2	13	14	3		32
	2021-22	1	4	9	10	5		29
CCL	2018-19		4	23	10	7		44
	2019-20		4	23	10	7		44
	2020-21	1	5	20	12	4		42
	2021-22		5	20	13	4		42
NCL	2018-19	2	5	3				10
	2019-20	2		3	5			10
	2020-21	4	6					10
	2021-22	6	4					10
WCL	2018-19		7	11	17	22	1	58
	2019-20		11	25	15	5		56
	2020-21	1	11	32	12	3	1	60
	2021-22	1	18	21	18			58
SECL	2018-19	1	14	36	10	6		67
	2019-20	2	4	33	18	6		63
	2020-21	2	15	27	16	3	1	64
	2021-22	1	15	35	6	6		63
MCL	2018-19		2	12	5			19
	2019-20		1	2	6	7	2	18
	2020-21		1	10	5	2		18
	2021-22	1	4	8	5			18
NEC	2018-19							0
	2019-20							0
	2020-21							0
	2021-22	1		1				2
SCCL	2018-19	1	13	20	6	2		42
	2019-20	1	6	17	8	4		36
	2020-21		14	18	6			38
	2021-22	1	16	17	4			38
Others	2018-19							0
	2019-20	8	8	7	4	2		29
	2020-21	8	10	6	6	2		32
	2021-22	9	7	7	5	3	4	35
NLCIL	2018-19	2	2	1				5
	2019-20	3						3
	2020-21	4	1					5
	2021-22	4	1					5
All India	**2018-19**	**8**	**66**	**140**	**90**	**51**	**1**	**356**
	2019-20	**16**	**42**	**134**	**97**	**66**	**5**	**360**
	2020-21	**20**	**70**	**147**	**99**	**32**	**2**	**370**
	2021-22	**25**	**77**	**138**	**98**	**31**	**4**	**373**

14. Appendix

Abbreviations

Abbreviations	Full Name of Companies	Public/ Private	Sectors
(1)	(2)	(3)	(4)
	Coal Company		
BCCL	Bharat Coking Coal Limited (Coal India Ltd. Subsidiary)	Public	Non Captive
CCL	Central Coalfields Limited (Coal India Ltd. Subsidiary)	Public	Non Captive
DVC_B	Damodar Valley Corporation	Public	Non Captive
ECL	Eastern Coalfields Limited (Coal India Ltd. Subsidiary)	Public	Non Captive
IISCO	Indian Iron & Steel Company Limited	Public	Non Captive
JKML	Jammu & Kashmir Minerals Limited	Public	Non Captive
JSMDCL	Jharkhand State Mineral Development Corporation Limited	Public	Non Captive
MCL	Mahanadi Coalfields Limited (Coal India Ltd. Subsidiary)	Public	Non Captive
NCL	Northern 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
SECL	South Eastern Coalfields Limited (Coal India Ltd. Subsidiary)	Public	Non Captive
TSL(TISCO)	Tata Steel Limited	Private	Non Captive
WCL	Western Coalfields Limited (Coal India Ltd. Subsidiary)	Public	Non Captive
APMDCL	Andhra Pradesh Mineral Development Corporation Limited	Public	Commercial
BSMPL	Boulder Stone Mart Private Limited	Private	Commercial
JPL	Jindal Power Limited	Private	Commercial
SECL(GP 2&3)	Gare Palma IV/2 & 3 (These two Coal Blocks are now under the Custody of SECL(Coal India Ltd. Subsidiary)	Public	Commercial
SECL(GP-IV/1)	Gare Palma IV/1 (This Coal Block is now under the Custody of SECL(Coal India Ltd. Subsidiary)	Public	Commercial
SEML	Sarda Energy and Minerals Limited	Private	Commercial
AMBUJA	Ambuja Cement	Private	Captive
BALCO	Bharat Aluminium Company Limited	Private	Captive
BSIL	BS Ispat Limited	Private	Captive
CESC	CESC Limited	Private	Captive
CSPGCL	Chhattisgrah State Power Generation Corporation Limited	Public	Captive
DPL	Durgapur Projects Limited	Public	Captive
DVC_T	Damodar Valley Corporation	Public	Captive
GMR	GMR Chhattisgarh Energy Limited	Private	Captive
HIL	Hindalco Industries Limited	Private	Captive
JPVL	Jaiprakash Power Ventures Limited	Private	Captive
KPCL	Karnataka Power Corporation Limited	Public	Captive
NLCIL	Neyveli Lignite Corporation India Limited	Public	Captive
NTPC	National Thermal Power Corporation	Public	Captive
OCL	OCL Iron Steel Limited	Private	Captive
OCPL	Odisha Coal & Power Limited	Public	Captive
PSPCL	Punjab State Power Corporation	Public	Captive

Abbreviations

Abbreviations	Full Name of Companies	Public/ Private	Sectors
(1)	(2)	(3)	(4)
Coal Company			
RCCPL	Reliance Cement Company Private Limited	Private	Captive
RRVUNL	Rajasthan Rajya Viddyut Utpadan Nigam Limited	Public	Captive
SAIL	Steel Authority of India Limited	Public	Captive
SIL	Sunflag Iron & Steel Company Limited	Private	Captive
SPL	Sasan Power Limted	Private	Captive
THDC	THDC India Limted	Public	Captive
TSPGCL	Telangana State Power Generation Corporation Ltd.	Public	Captive
TUML	Topworth Urja and Minerals Limited	Private	Captive
UTCL	UltraTech Cement Limited	Private	Captive
VEDANTA	Vedanta	Private	Captive
WBPDCL	West Bengal Power Development Corporation Ltd.	Public	Captive
Lignite Company			
BLMCL	Barmer Lignite Mining Company Limited	Public	Captive
GHCL	Gujarat Heavy Chemical Limited	Public	Captive
GIPCL	Gujarat Industries Power Company Limited	Public	Captive
GMDCL	Gujarat Mineral Development Corporation Limited	Public	Non Captive
GPCL	Gujarat Power Corporation Limited	Public	Captive
NLCIL	Neyveli Lignite Corporation India Limited	Public	Non Captive
RSMML	Rajasthan State Mines and Mineral Limited	Public	Captive
VSLPPL	V. S. Lignite Power Private Limited	Private	Captive
General Terms			
DMF	District Mining Fund		
G R	Geological Report		
MT	Million Tonnes		
MTPA	Million tonnes per annum		
NMET	National Mineral Exploration Trust		
NRS	Non Regulated Sector		
OBR	Over Burden Removal		
O.C.	Open Cast		
PSU(C)	Public Sector Undertaking (Central)		
PSU(S)	Public Sector Undertaking (State)		
TT	Thousand Tonnes		
U.G.	Under Ground		
UMPP	Ultra Mega Power Project		

सत्यमेव जयते

आज़ादी का अमृत महोत्सव

OFFICE OF THE COAL CONTROLLER
MINISTRY OF COAL
GOVERNMENT OF INDIA