



कोल डायरेक्टरी ऑफ इंडिया

2020-21

COAL DIRECTORY OF INDIA



GOVERNMENT OF INDIA
MINISTRY OF COAL
OFFICE OF THE COAL CONTROLLER
DELHI

भारत सरकार
कोयला मंत्रालय
कोयला नियंत्रक का कार्यालय
दिल्ली





सत्यमेव जयते

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DELHI दिल्ली

COAL DIRECTORY OF INDIA

2020-21

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



Message

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

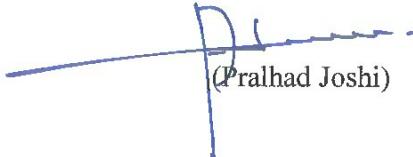
Coal sector is the mainstay for India's electricity generation and is intricately connected with multiple sectors of the economy and livelihoods at the grassroots. It will play an important role while planning for Indian economy's way forward. Quality, reliable and accurate coal sector data and statistics,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

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

Jai Hind!

Delhi

29th Dec, 2021



(Pralhad Joshi)

रावसाहेब पाटिल दानवे
RAOSAHEB PATIL DANVE



राज्य मंत्री
रेल, कोयला एवं खान
भारत सरकार

MINISTER OF STATE
OF RAILWAYS, COAL & MINES
GOVERNMENT OF INDIA



MESSAGE

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

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

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

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

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

New Delhi
05 January, 2022

A handwritten signature in blue ink, appearing to read "Raosaheb Patil Danve".

(Raosaheb Patil Danve)

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MESSAGE

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

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

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

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

(Dr Anil Kumar Jain)

Date: 30.12.2021

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भारत सरकार / Govt. of India
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MESSAGE

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

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

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

(Vinod Kumar Tiwari)

New Delhi
January, 2022

M. Nagaraju, IAS
Additional Secretary
&
Nominated Authority



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GOVERNMENT OF INDIA
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04th January, 2022

MESSAGE

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

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

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

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



(M. Nagaraju)

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FOREWORD

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

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

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

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

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

New Delhi
January, 2022

Santosh
(Santosh)
Coal Controller

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1

Historical Perspective



Section I

A. Historical Perspective

1.1 Coal Sector in India

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

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

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

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

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

1.2 Nationalisation of Coal Mines

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

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

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

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

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

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

1.3 Captive Coal Mining

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

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

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

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

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

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

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

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

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

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

1.4 Distribution and Marketing of Coal

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

1.4.2 Salient features of the New Coal Distribution Policy:

1. Existing classification of core and non-core sector is dispensed with. Each sector/ consumer would be treated on merit keeping in view regulatory provision applicable thereto and coal will be supplied by CIL/SCCL through Fuel Supply agreement (FSA), a legally enforceable buyer-seller coal supply agreement.
2. Requirement of Defence and Railways will be made in full at notified price.
3. While for Power (utilities), including Independent Power Producers/ CPP and Fertilizer Sector, 100% of normative requirement of coal at notified price will be supplied, for other consumers this will be 75%.
4. Supply of coal to steel plants would be based on FSA and pricing would be on import parity pricing.
5. Consumers in small and medium sector, requiring coal less than 4200 tonnes annually will take coal either from state govt. notified agencies/NCCF//NSIC or from CIL/SCCL through FSA. CIL/SCCL will supply coal to the nominated agencies for such distribution.

6. A Standard Operating Procedure (SOP) has been put in place since February 2020 for proportionate reduction of linkage to the coal block allocatees on the basis of requirement of coal being met from allotted coal mines/blocks.

7. New consumers of Power (U) /IPP/CPP/ Fertilizers/ Cement/ DRI plant will be issued Letter of Assurance (LOA), with a validity of 24 months, subject to prevailing norm, recommendation of concerned Ministry and 5% Earnest money deposit. On necessary progress of the plants, consumer may approach to CIL/SCCL for converting LOA into FSA.

8. Existing Standing Linkage Committee would continue to recommend LOA in respect of Power (U)/ IPP /CPP, Cement and Sponge Iron Plants including Steel.

1.5 Import of Coal

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

1.6 Notified Price of Coal

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

B. Concepts, Definitions and Practices

1.7 Coal

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

1.8 Classification of Coal

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

- **Hard Coal**

- Anthracite
- Bituminous coal
- Coking coal
- Other bituminous coal

- **Brown coal**

- Sub-bituminous coal
- Lignite

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

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

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

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

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

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

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

1.9 Classification of Coal in India

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

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

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

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

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

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

1.9.6 Middlings and Rejects:

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

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

1.10 Categorisation of Coal in India

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

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

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

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

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

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

N.B:

1. "Useful heat value" is defined as:

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

Where UHV = Useful heat value in KCal/kg,

A = Ash content (%) ;

M = Moisture content (%).

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

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

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

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

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

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

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

Table 5: Concordance Table

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

1.11 Some General Concepts

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1.12 Commodity Classification

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

Highlights

1. Production

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

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

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

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

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

In 2020-21, Chhattisgarh registered the highest coal production of 158.410 MT (22. 12%), followed by Odisha 154.151 MT (21.53%), Madhya Pradesh 132.531 MT (18.51%) and Jharkhand 119.295 MT (16.66%). In 2020-21, Tamil Nadu was the largest producer of lignite and produced 18.026 MT (47.57%) followed by Gujarat

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

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

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

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

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

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

2. Despatch

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

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

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

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

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

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

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

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

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

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

3. Pit Head Closing Stock

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

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

4. Import and Export

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

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

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

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

5. Captive Coal & Lignite Blocks

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

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

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

6. Geological Coal Reserve

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

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

7. Comparison between Provisional and final figures

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

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

N.B: F=Final, P=Provisional

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

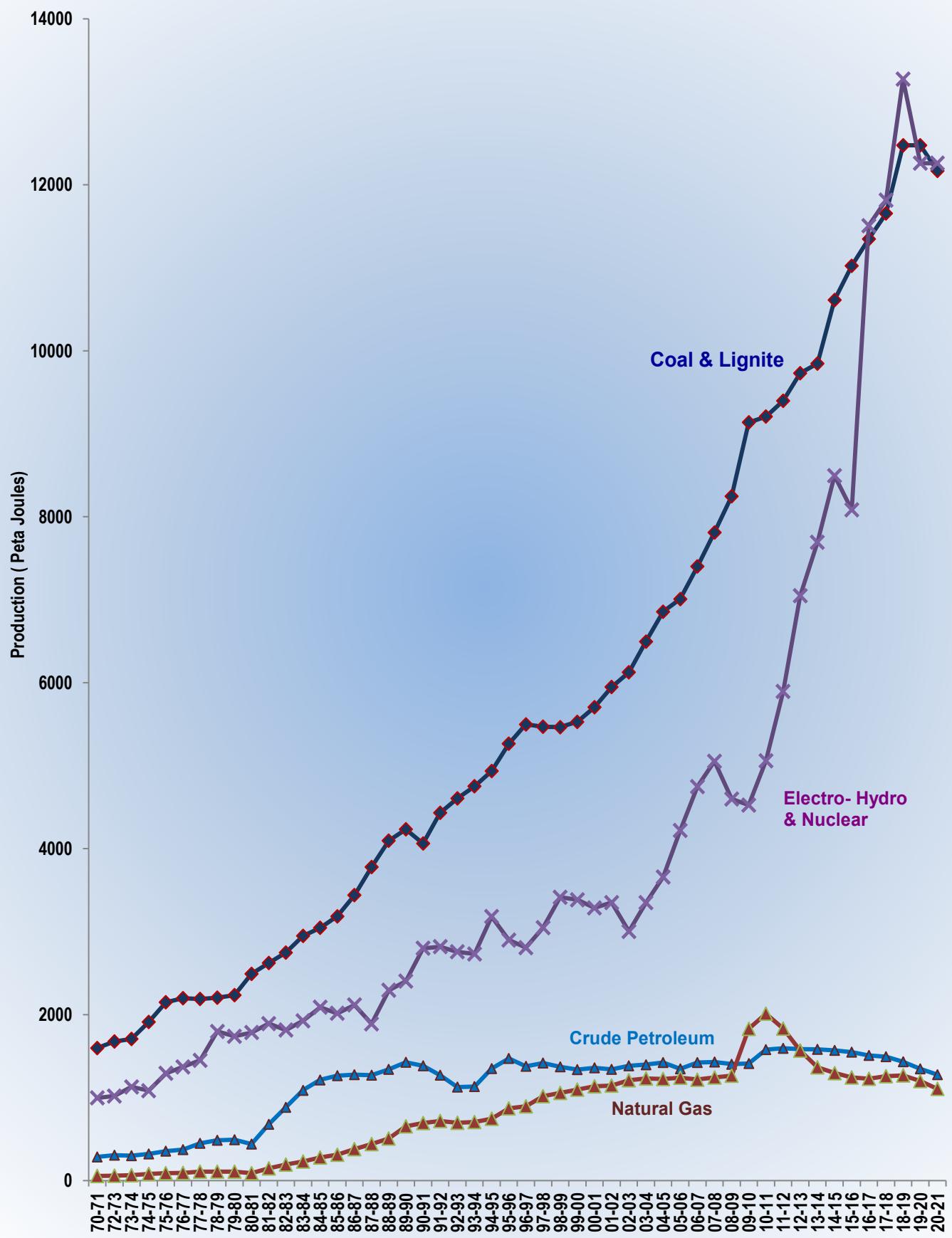


Table -1.1: Growth of India's Coal Sector at a Glance

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

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

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

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

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

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

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

(Quantity in Million Tonnes)

Year	Fuel type	Production	Imports	Exports	Net Import	Opening Stock	Closing Stock	Stock Change (Opening - Closing)	TPS
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	Coal	539.950	102.853	2.014	100.839	72.192	74.040	-1.848	638.941
	Lignite	42.332	0.00002			0.610	1.051	-0.441	41.891
	Total	582.282	102.853	2.014	100.839	72.802	75.091	-2.289	680.832
2012-13	Coal	556.402	145.785	2.443	143.342	74.040	63.049	10.991	710.735
	Lignite	46.453	0.00002	0.069	-0.069	1.051	1.493	-0.442	45.942
	Total	602.855	145.785	2.512	143.273	75.091	64.542	10.549	756.677
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

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

2

Resources & Exploration



Section II

Resources & Exploration

2.1 Indian Coal Deposits:

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

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

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

2.2 Indian Lignite Deposits:

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

2.3 Exploration:

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

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

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

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

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

2.4 Coal Resources:

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

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

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

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

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

2.5 Lignite Resources:

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

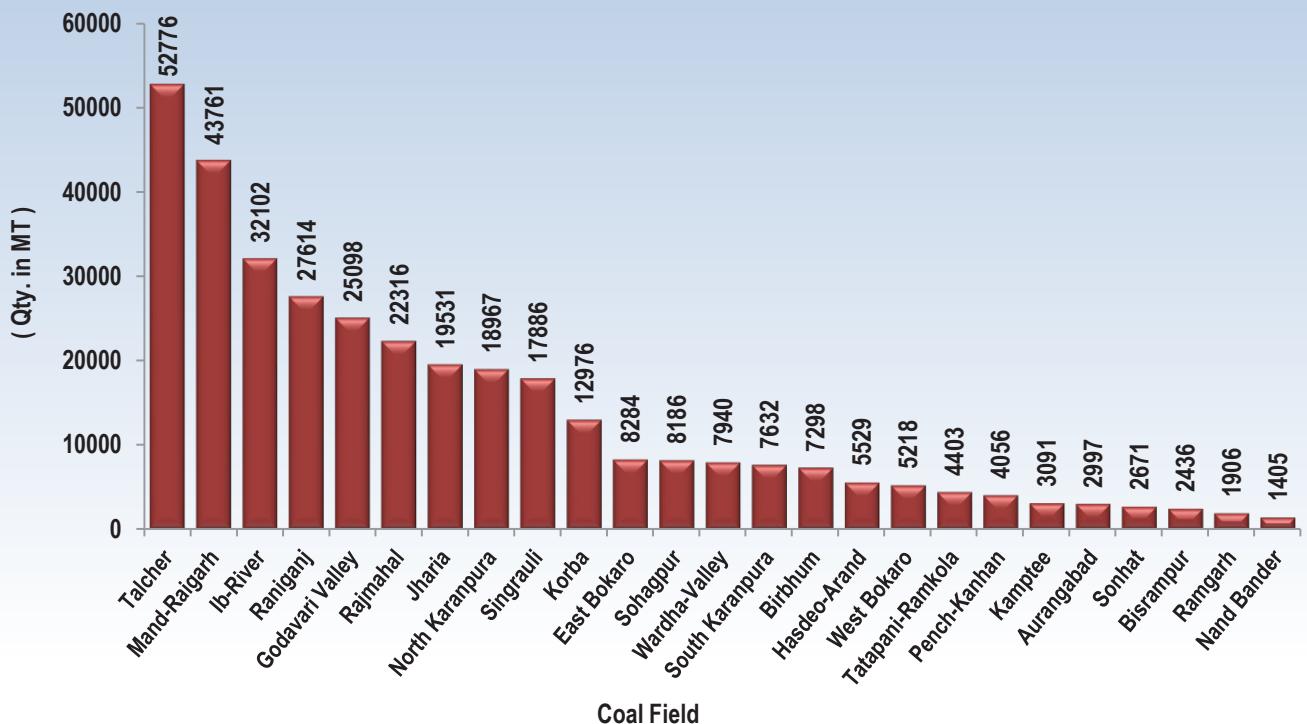
2.5.1 Total lignite resources of the country as on 1st April 2021 are 46018 MT which include proved, indicated and inferred resources. Out of the total lignite resources, almost all i.e. 45561 MT are shared majorly by the states of Tamil Nadu (79.30%), Rajasthan (13.80%) and Gujarat (5.92%).

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

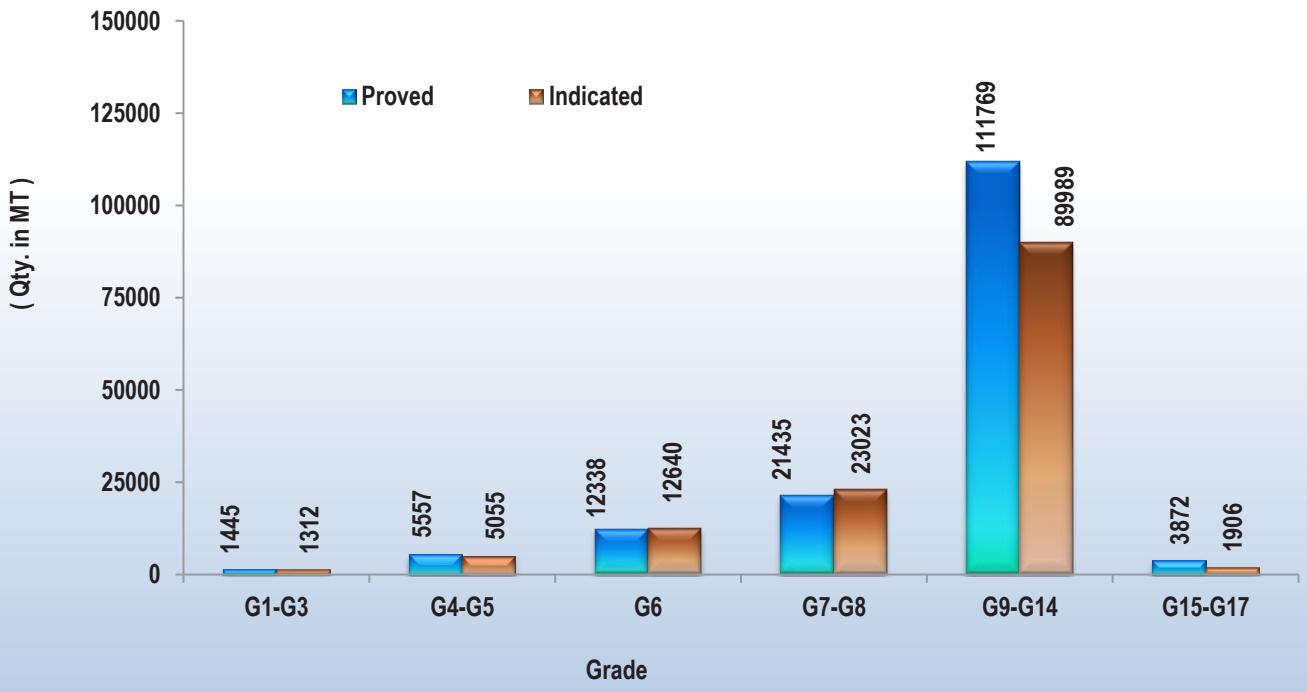
2.6 The different exploration stages and agencies involved in the exercise are summarized below for easy comprehension of the readers.

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.

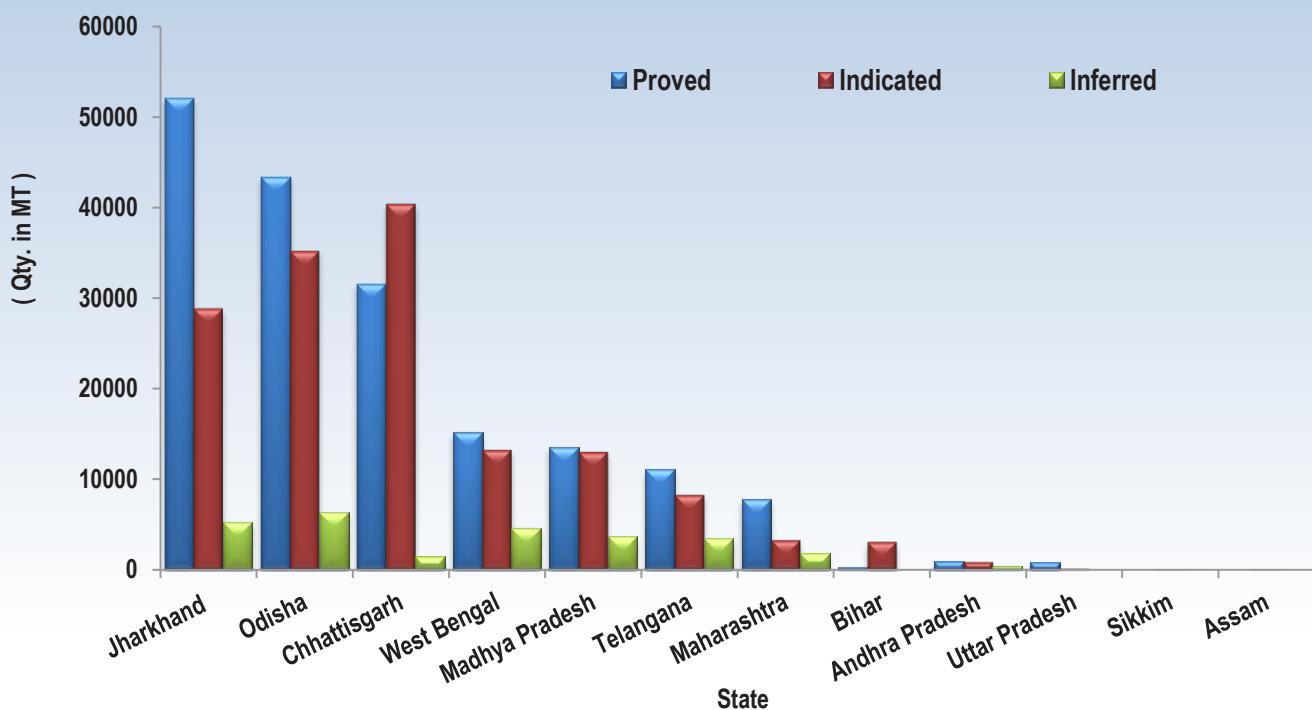
Ch. 2.1: Field Wise Inventory of Geological Resource of Coal in India as on 01/04/2021



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



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



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

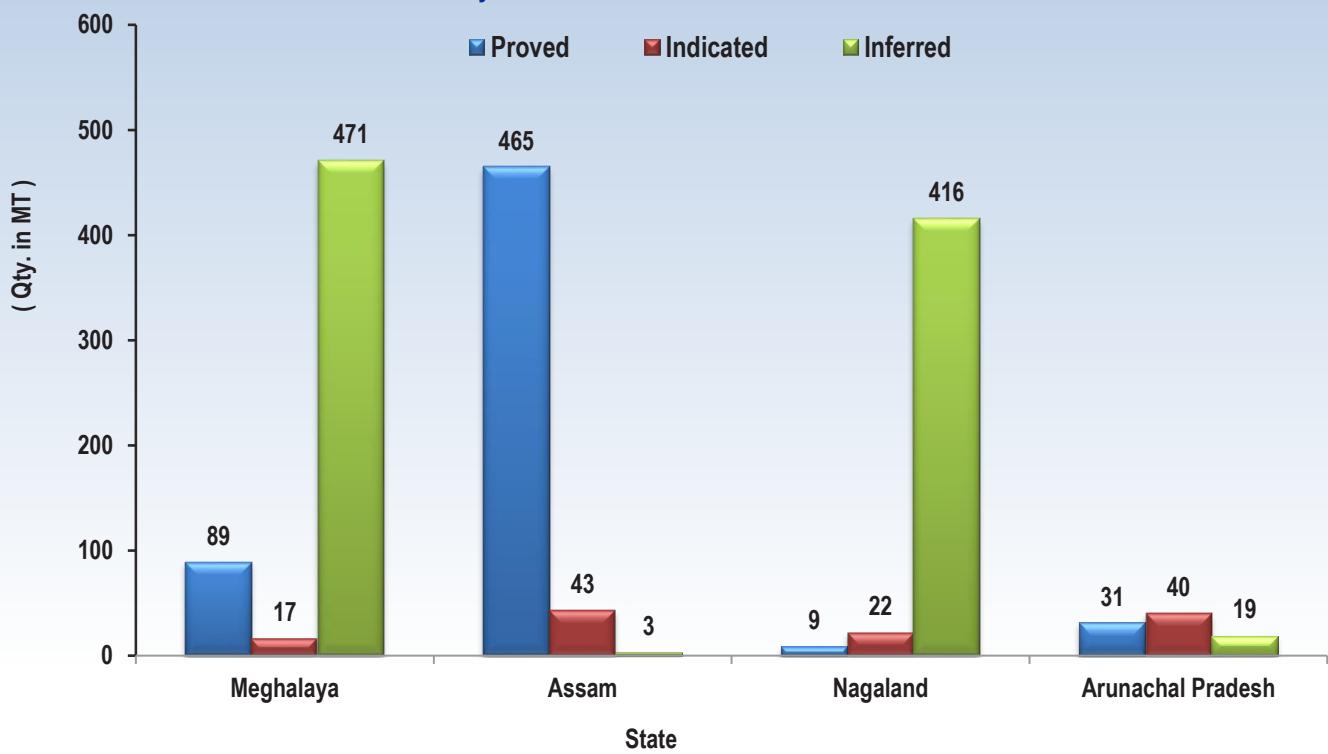
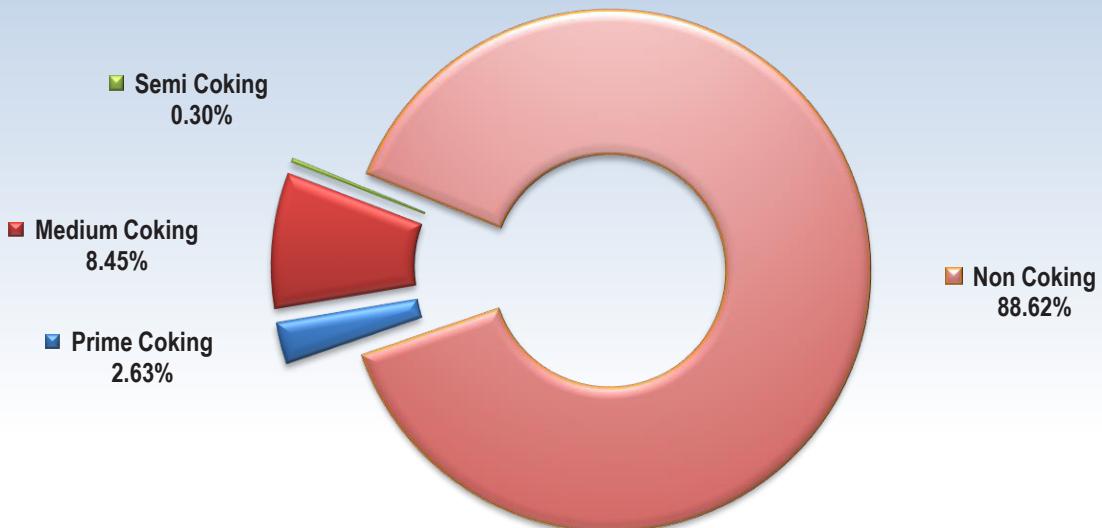


Table - 2.1: Inventory of Geological Resource of Coal by Type (as on 1st April)

(Qty. in MT)

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

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

Source: Geological Survey of India

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

(Qty. in MT)

State	As on	Resources				State	As on	Resources							
		Proved	Indicated	Inferred	Total			(1)	(2)	(3)	(4)				
(1)	(2)	(3)	(4)	(5)	(6)	(1)	(2)	(3)	(4)	(5)	(6)				
Gondawana Coalfields															
Assam	1/4/2019	0	14	0	14	Arunachal Pradesh	1/4/2019	31	40	19	90				
	1/4/2020	0	14	0	14		1/4/2020	31	40	19	90				
	1/4/2021	0	14	0	14		1/4/2021	31	40	19	90				
Andhra Pradesh	1/4/2019	97	1,078	432	1,607	Assam	1/4/2019	465	43	3	511				
	1/4/2020	97	1,078	432	1,607		1/4/2020	465	43	3	511				
	1/4/2021	921	901	425	2,247		1/4/2021	465	43	3	511				
Jharkhand	1/4/2019	48,032	30,400	6,074	84,506	Meghalaya	1/4/2019	89	17	471	576				
	1/4/2020	49,469	30,284	5,850	85,602		1/4/2020	89	17	471	576				
	1/4/2021	52,046	28,882	5,288	86,217		1/4/2021	89	17	471	576				
Bihar	1/4/2019	310	1,513	11	1,834	Nagaland	1/4/2019	9	22	415	446				
	1/4/2020	310	2,431	11	2,751		1/4/2020	9	22	415	445				
	1/4/2021	310	3,143	11	3,464		1/4/2021	9	22	416	446				
Madhya Pradesh	1/4/2019	12,182	12,736	3,875	28,793	Total Tertiary	1/4/2019	594	121	908	1,623				
	1/4/2020	12,597	12,888	3,799	29,285		1/4/2020	594	121	908	1,623				
	1/4/2021	13,479	13,060	3,678	30,217		1/4/2021	594	121	909	1,624				
Chhattisgarh	1/4/2019	21,446	36,260	2,202	59,908	All India	1/4/2019	155614	140501	30380	326495				
	1/4/2020	24,985	42,368	2,079	69,432		1/4/2020	163461	150392	30167	344020				
	1/4/2021	31,562	40,425	1,437	73,424		1/4/2021	177179	146949	27998	352126				
Maharashtra	1/4/2019	7,573	3,257	1,847	12,677	Gondawana coalfield, not considered in Tertiary coalfields.									
	1/4/2020	7,624	3,257	1,847	12,728										
	1/4/2021	7,770	3,320	1,847	12,936										
Odisha	1/4/2019	39,654	33,473	7,713	80,840										
	1/4/2020	40,872	36,067	7,713	84,652										
	1/4/2021	43,326	35,222	6,330	84,878										
Sikkim	1/4/2019	0	58	43	101										
	1/4/2020	0	58	43	101										
	1/4/2021	0	58	43	101										
Uttar Pradesh	1/4/2019	884	178	0	1,062										
	1/4/2020	884	178	0	1,062										
	1/4/2021	884	178	0	1,062										
Telangana	1/4/2019	10,622	8,565	2,652	21,839										
	1/4/2020	10,841	8,521	2,863	22,225										
	1/4/2021	11,089	8,328	3,433	22,851										
West Bengal	1/4/2019	14,219	12,847	4,624	31,690										
	1/4/2020	15,189	13,125	4,623	32,937										
	1/4/2021	15,199	13,296	4,597	33,092										
Total Gondwana	1/4/2019	155,021	140,379	29,472	324,872										
	1/4/2020	162,867	150,271	29,259	342,397										
	1/4/2021	176,585	146,828	27,089	350,502										

Source: Geological Survey of India

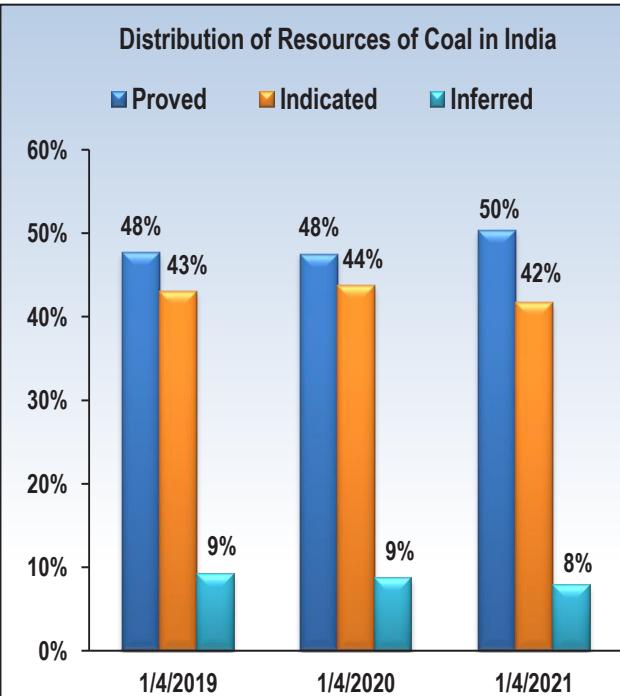


Table - 2.3: Field Wise Inventory of Geological Resource of Coal in India (as on 1st April)

(Qty. in MT)

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

Contd.....

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

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

(Qty. in MT)

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

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

(Qty. in MT)

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

Contd.....

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

(Qty. in MT)

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

Contd.....

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

(Qty. in MT)

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

Contd.....

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

(Qty. in MT)

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

* Including Sikkim

Source: Geological Survey of India

Table 2.4: Depth Wise Inventory of Geological Resource of Coal in India (as on 1st April 2021)

(Qty. in MT)

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

Source: Geological Survey of India

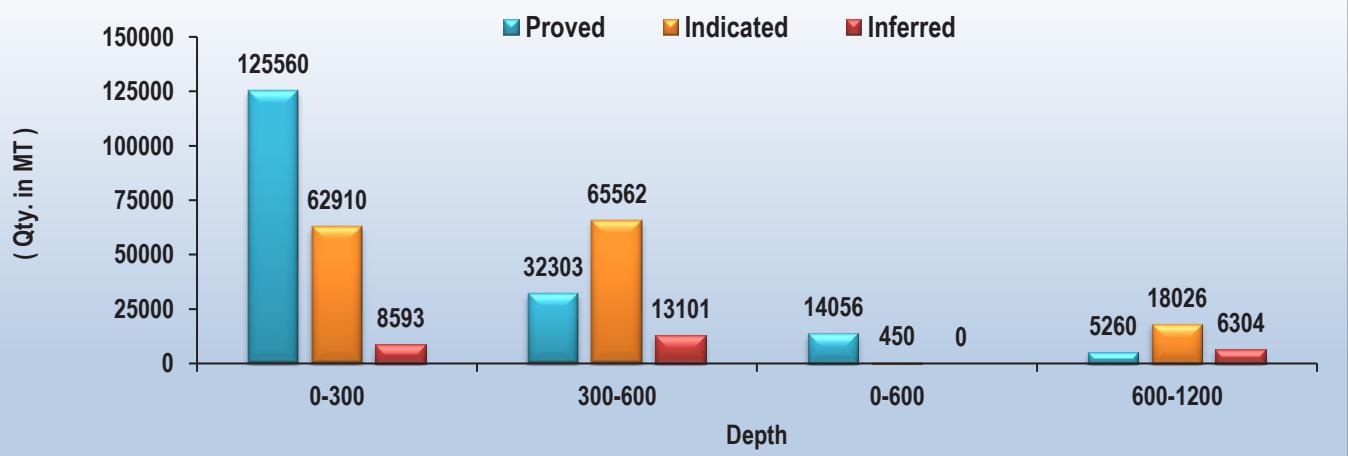
Depth Wise Inventory of Geological Resource of Coal in Indian (as on 1st April 2021)

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

(Qty. in MT)

State/ Field	Depth Range(M)	Proved						Indicated						Inferred	Grand Total		
		G1-G3	G4-G5	G6	G7-G8	G9-G14	G15-G17	Total	G1-G3	G4-G5	G6	G7-G8	G9-G14	G15-G17	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
West Bengal																	
Raniganj	0-300	69.48	1534.93	3516.61	3040.51	2157.51	1.33	10320.37	23.13	183.93	456.60	411.81	506.36		1581.83	194.31	12096.51
	300-600	56.17	658.93	730.45	696.29	1215.00	2.41	3359.25	54.58	674.40	1185.63	682.08	639.90		3236.59	1880.44	8476.28
	600-1200	13.19	84.72	121.60	77.62	18.25		315.38	152.85	367.36	529.11	419.95	389.46		1858.73	1491.88	3665.99
	0-1200	138.84	2278.58	4368.66	3814.42	3390.76	3.74	13995.00	230.56	1225.69	2171.34	1513.84	1535.72	0.00	6677.15	3566.63	24238.78
Bajaura	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
Total		138.84	2279.11	4375.85	3888.23	3725.04	6.43	14413.50	231.84	1294.12	3623.62	2932.12	4761.13	13.65	12856.48	4482.97	31752.95
Jharkhand																	
Raniganj	0-300		3.04	51.03	190.45	867.01		1111.53				0.72	88.60		89.32	29.55	1230.40
	300-600				20.63	85.40		106.03				142.07	178.00		320.07	2.00	428.10
	0-600	0.00	3.04	51.03	211.08	952.41	0.00	1217.56	0.00	0.00	0.00	142.79	266.60	0.00	409.39	31.55	1658.50
Jharia	300-600	63.39	42.84	86.85	462.04	5002.02		5657.14	6.08	2.27	0.99	7.60	427.92		444.86		6102.00
	600-1200	5.64	3.42	6.50	35.95	444.49		496.00	15.41	9.34	17.76	98.21	1214.28		1355.00		1851.00
	0-1200	69.03	46.26	93.35	497.99	5446.51	0.00	6153.14	21.49	11.61	18.75	105.81	1642.20	0.00	1799.86	0.00	7953.00
East Bokaro	0-300		0.11	3.15	13.61	78.30		95.17		7.76	7.77	19.82	21.46		56.81		151.98
	300-600			0.30	1.55	7.05		8.90		0.40	0.40	1.61	3.28		5.69		14.59
	0-600	0.00	0.11	3.45	15.16	85.35	0.00	104.07	0.00	8.16	8.17	21.43	24.74	0.00	62.50	0.00	166.57
West Bokaro	0-300	0.01	3.20	19.00	64.67	229.24	0.45	316.57	0.25	0.32	1.35	5.07	14.81		21.80		338.37
	300-600		0.51	2.66	10.12	12.39		25.68		0.25	1.81	7.11	9.89	0.01	19.07		44.75
	0-600	0.01	3.71	21.66	74.79	241.63	0.45	342.25	0.25	0.57	3.16	12.18	24.70	0.01	40.87	0.00	383.12
Ramgarh	0-300				3.50	3.63		7.13				13.10	13.10		26.20	4.60	37.93
North Karanpura	0-300	31.01	51.97	140.06	1017.32	7805.70	44.36	9090.42	6.56	1.42	4.61	316.73	1915.01	6.27	2250.60	722.03	12063.05
	300-600	0.11	2.34	21.04	235.66	881.59	1.99	1142.73		2.86	2.93	441.37	676.21	0.16	1123.53	729.50	2995.76
	600-1200	0.02	0.23	1.19	12.91	76.24	0.15	90.74								0.00	90.74
	0-1200	31.14	54.54	162.29	1265.89	8763.53	46.50	10323.89	6.56	4.28	7.54	758.10	2591.22	6.43	3374.13	1451.53	15149.55
South Karanpura	0-300	149.90	151.51	373.55	830.10	1735.11	0.60	3240.77	0.02	40.07	84.33	138.40	116.21		379.03	262.40	3882.20
	300-600	11.85	106.04	148.97	559.46	546.37	0.23	1372.92	0.19	35.97	46.78	120.80	172.58		376.32	584.65	2333.89
	600-1200	1.17	69.45	176.24	258.30	57.21	0.02	562.39			7.53	9.35	26.65		43.53		605.92
	0-1200	162.92	327.00	698.76	1647.86	2338.69	0.85	5176.08	0.21	76.04	138.64	268.55	315.44	0.00	798.88	847.05	6822.01
Aurangabad	0-300				0.04	352.01		352.05		8.04	11.03	134.71	1087.44		1241.22	43.07	1636.34
	300-600							0.00			22.33	95.19	749.49		867.01	423.07	1290.08
	600-1200							0.00				14.74	18.68		33.42	37.27	70.69
	0-1200	0.00	0.00	0.00	0.04	352.01	0.00	352.05	0.00	8.04	33.36	244.64	1855.61	0.00	2141.65	503.41	2997.11
Hutar	0-300	28.39	56.51	41.01	40.23	24.65		190.79	4.22	5.00	5.00				14.22	32.48	237.49
	300-600							0.00	3.17	3.83	3.83	0.72	0.78		12.33		12.33
	0-600	28.39	56.51	41.01	40.23	24.65	0.00	190.79	7.39	8.83	8.83	0.72	0.78	0.00	26.55	32.48	249.82
Daltonganj	0-300	10.00	20.00	29.00	4.00	20.86		83.86	7.14	14.28	20.71	2.86	15.11		60.10		143.96
Deogarh	0-300	0.87	25.19	70.81	90.03	139.34		326.24	0.20	5.68	15.97	20.31	31.44		73.60		400
Rajmahal	0-300		0.69	55.30	346.46	6278.72	97.47	6778.64	0.34	27.73	311.72	1486.85	4260.83	35.47	6122.94	387.33	13288.91
	300-600			9.09	120.13	1806.17	19.82	1955.21		30.45	391.86	1044.64	1614.18	32.17	3113.30	381.87	5450.38
	600-1200					77.42		77.42				0.71	29.75		30.46	5.10	112.98
	0-1200	0.00	0.69	64.39	466.59	8162.31	117.29	8811.27	0.34	58.18	703.58	2532.20	5904.76	67.64	9266.70	774.30	18852.27
Total		302.36	537.05	1235.75	4317.16	26530.92	165.09	33088.33	43.58	195.67	958.71	4122.69	12685.70	74.08	18080.43	3644.92	54813.68
Bihar																	
Rajmahal	0-300					291.08	18.45	309.53				72.90	914.51	116.84	1104.25	11.30	1425.08
	300-600							0.00		1.37	44.63	288.84	1102.08	99.51	1536.43		1536.43
	600-1200							0.00		4.25	22.25	50.08	395.12	30.86	502.56		502.56
	0-1200	0.00	0.00	0.00	0.00	291.08	18.45	309.53	0.00	5.62	66.88	411.82	2411.71	247.21	3143.24	11.30	3464.07
Total		0.00	0.00	0.00	0.00	291.08	18.45	309.53	0.00	5.62	66.88	411.82	2411.71	247.21	3143.24	11.30	3464.07
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	0.00	185.08	0.00	33.97	33.69	23.63	145.31	25.99	262.59	32.83	48

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

(Qty. in MT)

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

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

(Qty. in MT)

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

**Table - 2.6 : State Wise Inventory of Geological Resources of Lignite in India
(as on 1st April 2019, 2020 & 2021)**

(Qty. in MT)

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

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

Source: Geological Survey of India

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

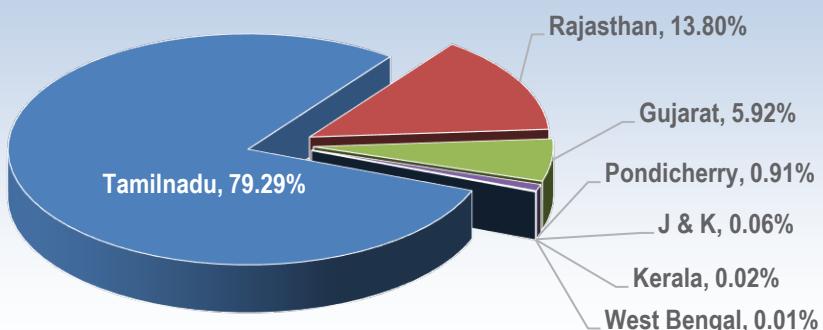


Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1st April 2019, 2020 & 2021)

(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
	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 I A, II & Expansion, Mine III, Block B, Mine I, Mine II, Mine III and river) Devangudi & areas locked up between.	0-150	2831.00	134.00	138.00	3103.00	
		150-300	0.00	0.00	24.00	24.00	3127.00
	Kudikadu	0-150	0.00	0.00	133.38	133.38	133.38
	Kullanchavadi	>150	0.00	0.00	175.00	175.00	175.00
	South of Vellar(Srimushnam)	0-150	584.51	0.00	0.00	584.51	
		150-300	20.61	0.00	0.00	20.61	605.12
	Veeranam(Lalpettai)	150-300	586.57	754.60	0.00	1341.17	
		>300	0.00	1.28	0.00	1.28	1342.45
	East of Sethiatope	0-150	0.00	24.71	0.00	24.71	
		150-300	0.00	44.95	0.00	44.95	
		>300	0.00	21.46	0.00	21.46	91.12
	Chidambaram	0-150	0.00	0.00	18.85	18.85	
		150-300	0.00	0.00	24.29	24.29	
		>300	0.00	0.00	0.59	0.59	43.73
	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
Ariyalur	Meensuruti	0-150	0.00	0.00	458.00	458.00	458.00
	Jayamkondamcholapuram	0-150	904.23	302.50	0.00	1206.73	1206.73
	Michaelpatti	0-150	0.00	0.00	23.07	23.07	23.07
	Michaelpatti Extention	0-150	0.00	0.00	31.30	31.30	31.30
	Neyveli Lignite Fields		4926.92	1827.79	1814.60	8569.31	8569.31
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

Contd.....

Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1st April 2019, 2020 & 2021)

(Qty. in MT)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Thiruvarur	Melnattam-Agraharam	150-300	0.00	44.60	65.51	110.11	110.11
Thanjavur	Cholapuram	150-300	0.00	15.46	83.67	99.13	99.13
	Mannargudi -NW	150-300	0.00	575.57	0.00	575.57	
		>300	0.00	421.10	0.00	421.10	996.67
	Mannargudi -SW	150-300	0.00	481.80	0.00	481.80	481.80
	Maharajapuram	150-300	0.00	23.95	0.00	23.95	23.95
	Orattanadu-Pattukottai	150-300	0.00	10.80	44.31	55.11	55.11
	Vadaseri(Orattanadu-Pattukottai)	0-150	0.00	9.37	0.00	9.37	
		150-300	0.00	745.83	0.00	745.83	755.20
	Madukkur-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
	Tirumangaichcheri	150-300	0.00	21.05	43.90	64.95	
		>300	0.00	26.03	42.21	68.24	133.19
Thiruvarur & Nagappattinam	Nachiyarkudi	>300	0.00	0.00	574.05	574.05	574.05
Ramanathapuram lignite field	Mannargudi lignite Field		0.00	19913.44	4780.46	24693.90	24693.90
Ramanathapuram	Bogalur	>300	0.00	48.28	76.34	124.62	124.62
	Bogalur East	>300	0.00	0.00	469.58	469.58	469.58
	Misal	>300	0.00	23.92	28.79	52.71	52.71
	Tiyanur	>300	0.00	96.63	167.30	263.93	263.93
	Uttarakosamangai	150-300	0.00	0.00	1.54	1.54	
		>300	0.00	0.00	467.22	467.22	468.76
	Kalari North	>300	0.00	0.00	221.90	221.90	221.90
	Kalari West	>300	0.00	0.00	379.91	379.91	379.91
	Kalari East	>300	0.00	0.00	259.77	259.77	259.77
Ramnad	Rajasing Mangalam	>300	0.00	0.00	964.97	964.97	964.97
Ramnad & Sivaganga	Sattanur	>300	0.00	0.00	20.24	20.24	20.24
	Ramanathapuram lignite field		0.00	168.83	3057.56	3226.39	3226.39
Total for Tamil Nadu			4926.92	21910.06	9652.62	36489.60	36489.60
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
	Barsingsar	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 2019, 2020 & 2021)

(Qty. in MT)

State/District (1)	Area/Field (2)	Depth(m) (3)	Proved (4)	Indicated (5)	Inferred (6)	Total (7)	Grand Total (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	
Gurha West		150-300	4.30	0.00	0.00	4.30	38.11
		0-150	40.65	0.00	0.00	40.65	
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	
Hadla		150-300	0.00	1.06	2.44	3.50	13.67
		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
	Krnta-ki-basti & S.of Bhane-ka-Gaon	0-150	0.00	0.96	0.00	0.96	
Khar Charan		150-300	0.06	0.00	0.00	0.06	1.02
		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
		0-150	23.57	0.00	0.00	23.57	23.57
Palana		0-150	0.00	1.46	0.00	1.46	1.46
	Palana East	0-150	0.00	0.09	0.00	0.09	0.09
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	
Rneri		150-300	0.00	0.00	16.62	16.62	62.18
		0-150	33.92	0.00	0.00	33.92	33.92
Riri		0-150	159.68	0.00	0.00	159.68	
		>150	22.75	0.00	0.00	22.75	182.43
Sarupdesar-Palana west		0-150	0.00	0.67	0.00	0.67	0.67
	hambu-ki-Burj	0-150	0.00	0.00	0.04	0.04	0.04
Sowa		0-150	0.00	0.23	0.00	0.23	0.23

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Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1st April 2019, 2020 & 2021)

(Qty. in MT)

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

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Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1st April 2019, 2020 & 2021)

(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	150-300	0.00	0.00	16.37	16.37	16.37
Nagaur	Gangardi	150-300	0.00	166.91	11.44	178.35	178.35
	Indawar	0-150	12.00	0.00	0.00	12.00	12.00
	Kapriion-ka-Dhani	0-150	17.00	0.00	0.00	17.00	17.00
	Kasnau-Igjar	0-150	64.90	0.00	0.00	64.90	64.90
	Kuchera	0-150	0.00	0.00	1.00	1.00	1.00
	Lunsara	0-300	0.00	7.17	0.00	7.17	7.17
	Matasukh	0-150	10.10	0.00	0.00	10.10	10.10
	Merta Road & Meerenagar	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
	Nimibri-Chandawatan	0-150	9.00	0.00	0.00	9.00	9.00
Nagaur & Pali	Phalki	0-150	0.00	4.22	7.11	11.33	
		150-300	0.00	58.29	61.21	119.50	130.83
Nagaur & Pali	Phalki North	0-150	0.00	0.18	0.00	0.18	
		150-300	0.00	0.32	0.00	0.32	0.50
Nagaur & Pali	Phalodi	0-150	0.00	0.00	1.98	1.98	
		150-300	0.00	0.00	11.06	11.06	13.04
	Phalodi	0-150	0.00	0.00	0.95	0.95	
		150-300	0.00	0.00	4.70	4.70	5.65
Total for Rajasthan			1168.53	3029.78	2150.77	6349.07	6349.08
Gujarat							
Kachchh	Panandhro	0-150	98.00	0.00	0.00	98.00	98.00
	Panandhro Ext.	0-150	0.00	0.00	14.45	14.45	14.45
	Barkhan Dam	0-150	0.00	0.00	7.19	7.19	7.19
	Kaiyari Block-A	0-150	40.36	20.30	0.00	60.66	60.66
	Kaiyari Block-B	0-150	0.00	10.52	0.00	10.52	10.52
	Mata-No-Madh	0-150	34.00	0.00	0.00	34.00	34.00
	Umarsar	0-150	19.47	0.00	0.00	19.47	19.47
	Lakhpat-Dhedadi(Punahrajpur)	0-150	49.00	24.30	0.00	73.30	73.30
	Akrimota	0-150	91.78	0.00	0.00	91.78	91.78
	Jhularai-Waghapadar	0-150	3.00	0.00	0.00	3.00	3.00

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Table - 2.7: Field Wise Inventory of Geological Resource of Lignite in India (as on 1st April 2019, 2020 & 2021)

(Qty. in MT)

State/District (1)	Area/Field (2)	Depth(m) (3)	Proved (4)	Indicated (5)	Inferred (6)	Total (7)	Grand Total (8)
Kachchh	Hamla-Ratadia	0-150	0.00	0.00	3.00	3.00	3.00
	Pranpur	0-300	0.00	1.28	8.45	9.73	9.73
Bhavnagar	Kharsalia,Rampur,Hoidad, Bhuteshwar, Su	0-300	0.00	0.00	299.17	299.17	299.17
Bharuch	Bhuri	0-150	10.59	31.56	0.00	42.15	42.15
	Valia, Bhaga, Luna, Pansoli, Nani Pardi etc.	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
Surat	Rajpardi (CGM) by MECL	0-300	0.00	0.00	292.04	292.04	292.04
	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
Surat	East of Kamrej-Vesma	150-300	0.00	0.00	7.92	7.92	7.92
	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							
Bardhaman	Rakshitpur	0-150	0.00	0.29	0.86	1.15	1.15
	Gourangapur- Bankati	0-151	0.00	0.00	0.96	0.96	0.96
Birbhum	Mahalla	150-300	0.00	0.64	0.00	0.64	0.64
	Dhobbanpur	150-300	0.00	0.20	0.78	0.98	0.98
	Djara	150-300	0.00	0.00	0.20	0.20	0.20
Total for West Bengal			0.00	1.13	2.80	3.93	3.93
Grand Total for all States			7374.10	25650.53	12993.84	46018.46	46018.47

Source: Geological Survey of India

Table 2.8: Promotional Exploration (Drilling in Metres) During Xth, XIth, XIIth and XIIIth Plan

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

Table 2.8: Promotional Exploration (Drilling in Metres) During Xth, XIth, XIIth and XIIIth Plan

Year	Agency	CIL (Coal)	SCCL (Coal)	NLC (Lignite)	Total
(1)	(2)	(3)	(4)	(5)	(6)
2015-16	Mineral Exploration Corporation Ltd.	35216	0	52301	87517
2015-16	DGM (Nagaland)	754			754
2015-16	Central Mine Planning & Design Inst.	0	0	0	0
2015-16 (XIIth Plan)	All Agencies	52086	0	60254	112340
2016-17	Geological Survey of India	0	0	3500	3500
2016-17	Mineral Exploration Corporation Ltd.	49100	0	52186	101286
2016-17	DGM (Nagaland)	595			595
2016-17	Central Mine Planning & Design Inst.	0	0	0	0
2016-17 (XIIth Plan)	All Agencies	49695	0	55686	105381
Total (XIIth Plan)	Geological Survey of India	65312	0	35658	100970
Total (XIIth Plan)	Mineral Exploration Corporation Ltd.	189960	22027	285561	497548
Total (XIIth Plan)	DGM (Nagaland)	2887	0	0	2887
Total (XIIth Plan)	Central Mine Planning & Design Inst.	1187	0	0	1187
G. Total (XIIth Plan)	All Agencies	259346	22027	321219	602592
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
Total (XIIIth Plan)	Geological Survey of India	0	0	341	341
Total (XIIIth Plan)	Mineral Exploration Corporation Ltd.	284032	16190	140906	441128
Total (XIIIth Plan)	DGM (Nagaland)	3944	0	0	3944
Total (XIIIth Plan)	Central Mine Planning & Design Inst.	78762	0	0	78762
G. Total (XIIIth Plan)	All Agencies	366738	16190	141248	524175

Note: Xth Plan 2002-2003 to 2006-2007, XIth Plan 2007-2008 to 2011-2012, XIIth plan 2012-2013 to 2016-17 and XIIIth plan 2017-2018 to 2021-22.

Table 2.9 : Detailed Exploration (Drilling in Meters) During IXth to XIIth Plan

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

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Table 2.9 : Detailed Exploration (Drilling in Meters) During IXth to XIIth Plan

Year	Agency	Blocks	CIL								SCCL	NLC	
			ECL	BCCL	CCL	NCL	WCL	SECL	MCL	NEC			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
2015-16	Departmental	CIL	54145		46119	19683	56400	151876	19219	0	347442		
	Departmental	Non-CIL	2542		4858	6626			46601		60627	0	
	Departmental	Pvt. Blocks									0		
	Departmental	Total	56687	0	50977	26309	56400	151876	65820	0	408069	0	
	MECL	CIL	840		25854		101663				128357		
	MECL	Non-CIL			16158	12445	75530				104133	14750	
	CG/MP/Odisha Govt.	CIL					2833	2442			5275		
	Private /Contractual	CIL	27687	22529	13911		12006	142322	2096		220551		
	Private /Contractual	Non-CIL	1826		7921		26645	66909	9318		112619		
	Private /Contractual	Total	29513	22529	21832	0	38651	209231	11414	0	333170		
	All Agencies	CIL	82672	22529	60030	45537	68406	398694	23757	0	701625		
	All Agencies	Non-CIL	4368	0	12779	22784	39090	142439	55919	0	277379	14750	
2015-16(XIIth Plan)	All Agencies	Total	87040	22529	72809	68321	107496	541133	79676	0	979004	14750	
2016-17	Departmental	CIL	61819		53579	32608	61894	155721	16940	0	382561		
	Departmental	Non-CIL	2503		817	4332		5053	46101		58806	0	
	Departmental	Pvt. Blocks									0		
	Departmental	Total	64322	0	54396	36940	61894	160774	63041	0	441367	0	
	MECL	CIL	11935		20317		160320				192572		
	MECL	Non-CIL			3659	3893	105077				112629	151431	
	CG/MP/Odisha Govt.	CIL					49	480			529		
	Private /Contractual	CIL	69488	8290	25895		10631	77679	28469		220452		
	Private /Contractual	Non-CIL	59851				4825	36680	5719		107075		
	Private /Contractual	Total	129339	8290	25895	0	15456	114359	34188	0	327527		
	All Agencies	CIL	143242	8290	79474	52925	72525	393769	45889	0	796114		
	All Agencies	Non-CIL	62354	0	817	7991	8718	146810	51820	0	278510	151431	
2016-17(XIIth Plan)	All Agencies	Total	205596	8290	80291	60916	81243	540579	97709	0	1074624	151431	
2017-18	Departmental	CIL	53804		26570	16737	60838	131623	15218	0	304790		
	Departmental	Non-CIL	16632		11461	28502	11556	21530	49343		139024	0	
	Departmental	Pvt. Blocks									0		
	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	
2017-18(XIIth Plan)	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 XIIth Plan

Year	Agency	Blocks	CIL								SCCL	NLC	
			ECL	BCCL	CCL	NCL	WCL	SECL	MCL	NEC			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
2018-19	Departmental	CIL	58700		46300	9200	47100	168300	28900	0	358500		
	Departmental	Non-CIL	5700		600	36900	43800	9600	44700		141300	0	
	Departmental	Pvt. Blocks									0		
	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		
2018-19(XIIth Plan)	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	
2019-20	All Agencies	Total	232100	1300	136700	76700	158600	638700	95100	0	1339200	101275	
	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		
2019-20(XIIth Plan)	All Agencies	Total	83400	57500	51100	0	29700	53800	19100	0	294600		
	All Agencies	CIL	56400	67600	52600	16900	62800	308700	18200	0	583200		
2020-21	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	
	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		
2020-21(XIIth Plan)	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

3

Production & Productivity



Section III

Production & Productivity

3.1 Production

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

3.1.9 Lignite Production:

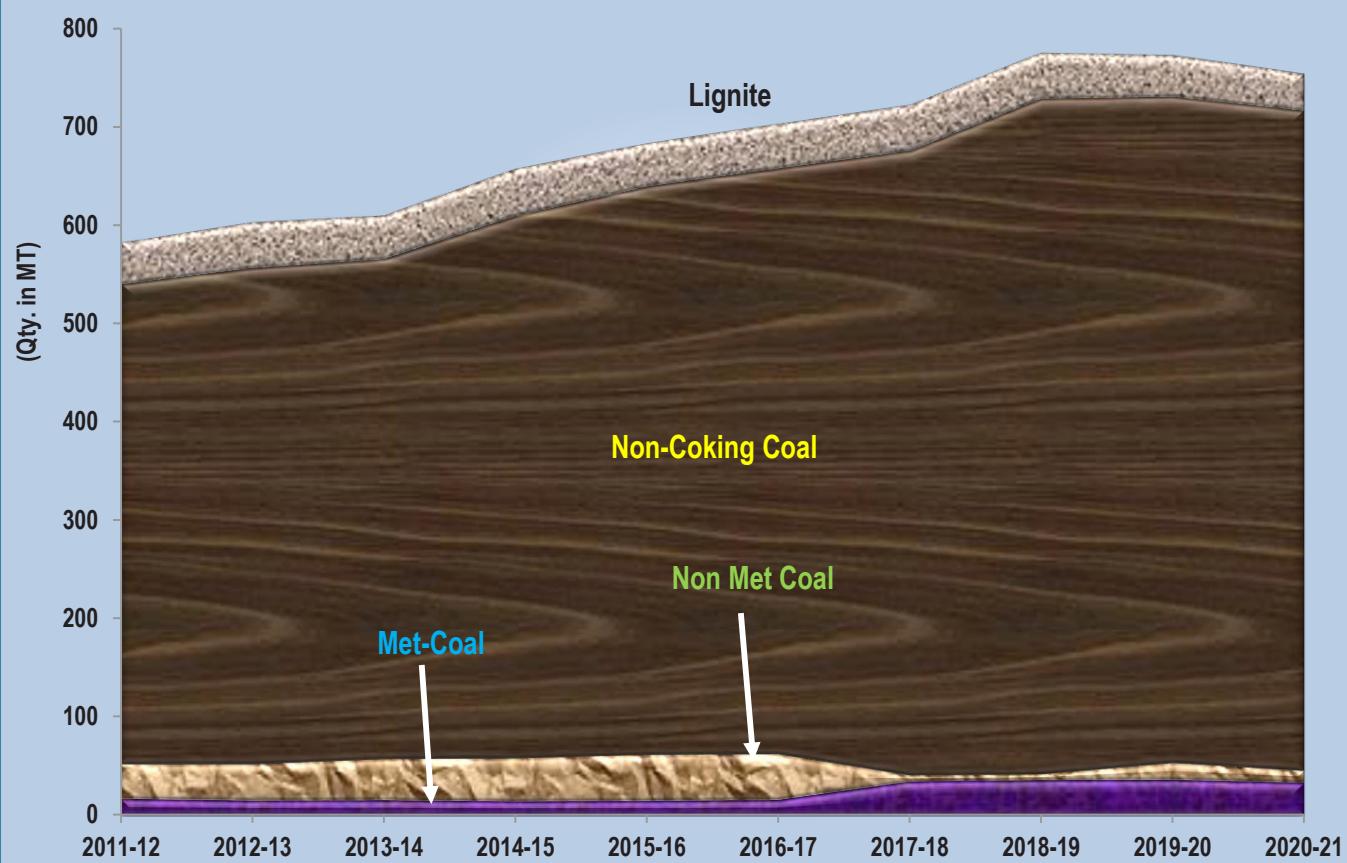
Statement 3.4 shows production of lignite by different companies in 2019-20 and 2020-21. It can be seen that in case of lignite the three major companies were NLC, GMDCL and BLMCL which contributed 50.83%, 15.84% and 15.88% respectively to the total lignite production of 2020-21.

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

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

(Qty. in MT)

Chart III.1 - Area Graph : Trend of Production of Different Type of Raw Coal and Lignite from 2011-2012 to 2020-21



Production of Different Type of Raw Coal and Lignite

(Qty. in MT)

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

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

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

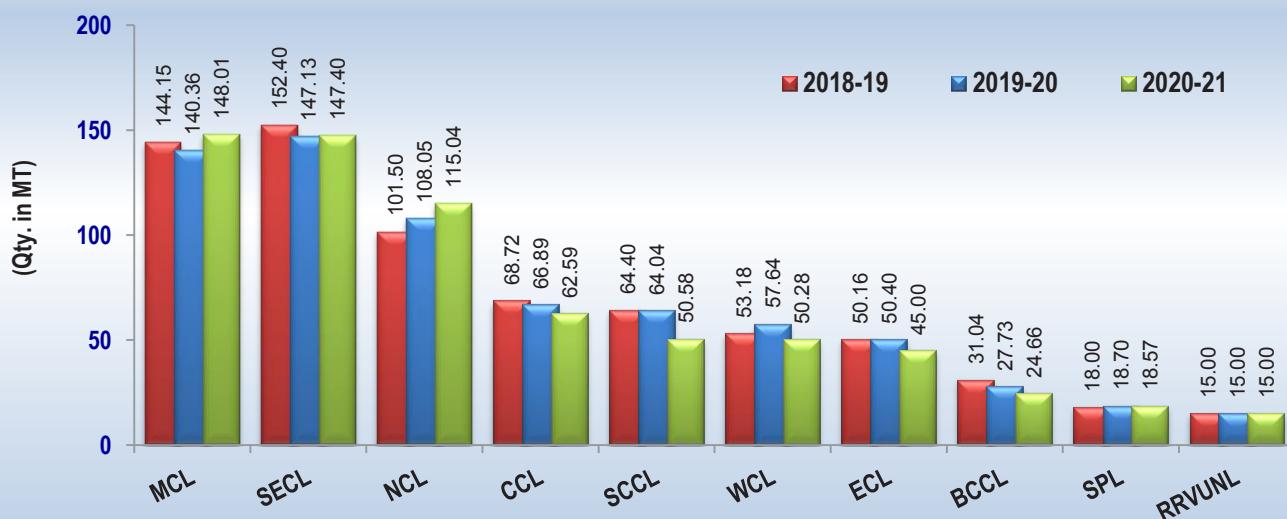
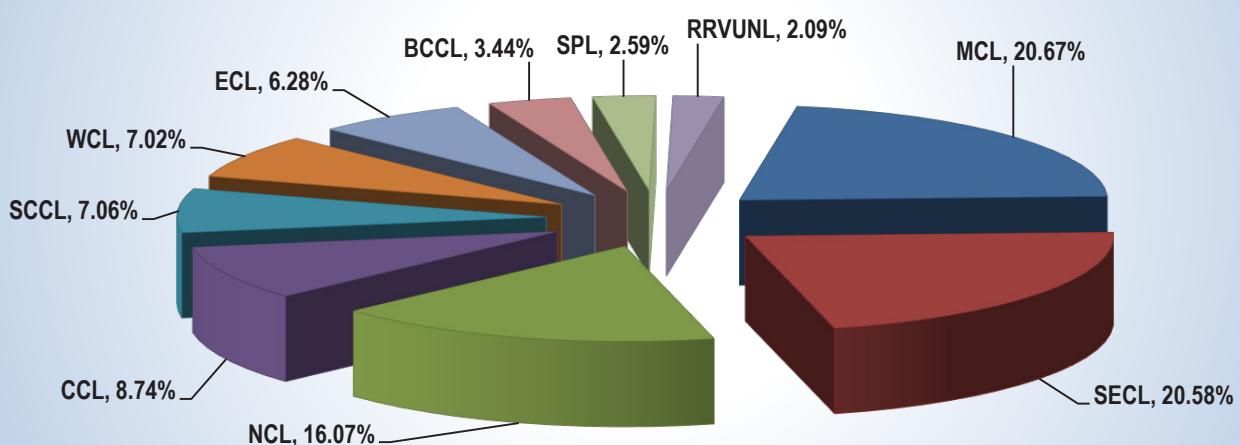
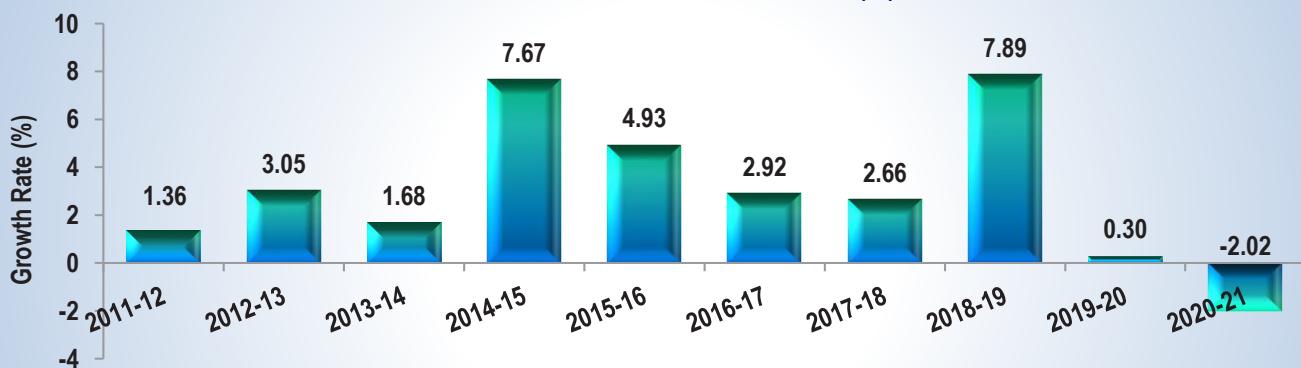
Ch-III.2: Raw Coal Production of the Top Ten Companies during Last Three Years**Ch-III.3: Raw Coal Production of the Top Ten Companies in 2020-21****Ch-III.4: 95% Production (Approx) of Raw Coal was Shared by Top Ten Companies in 2020-21**

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

(Qty. in MT)

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

Growth of Raw Coal over Previous Years (%)



Growth of Lignite over Previous Years (%)

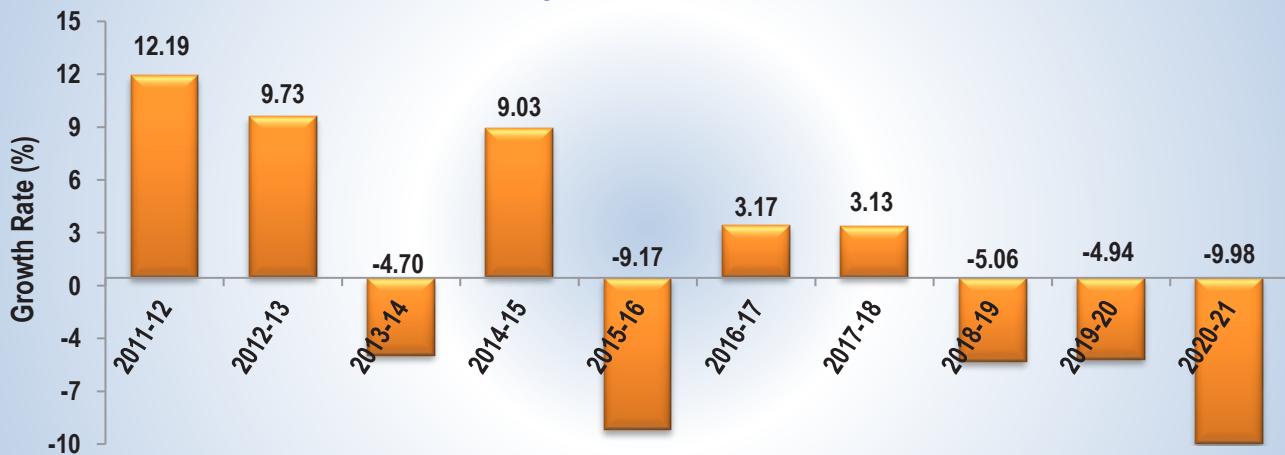


Table 3.2: Trend of Production of Different Type of Raw Coal in Last Ten Years

(Qty. in MT)

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

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

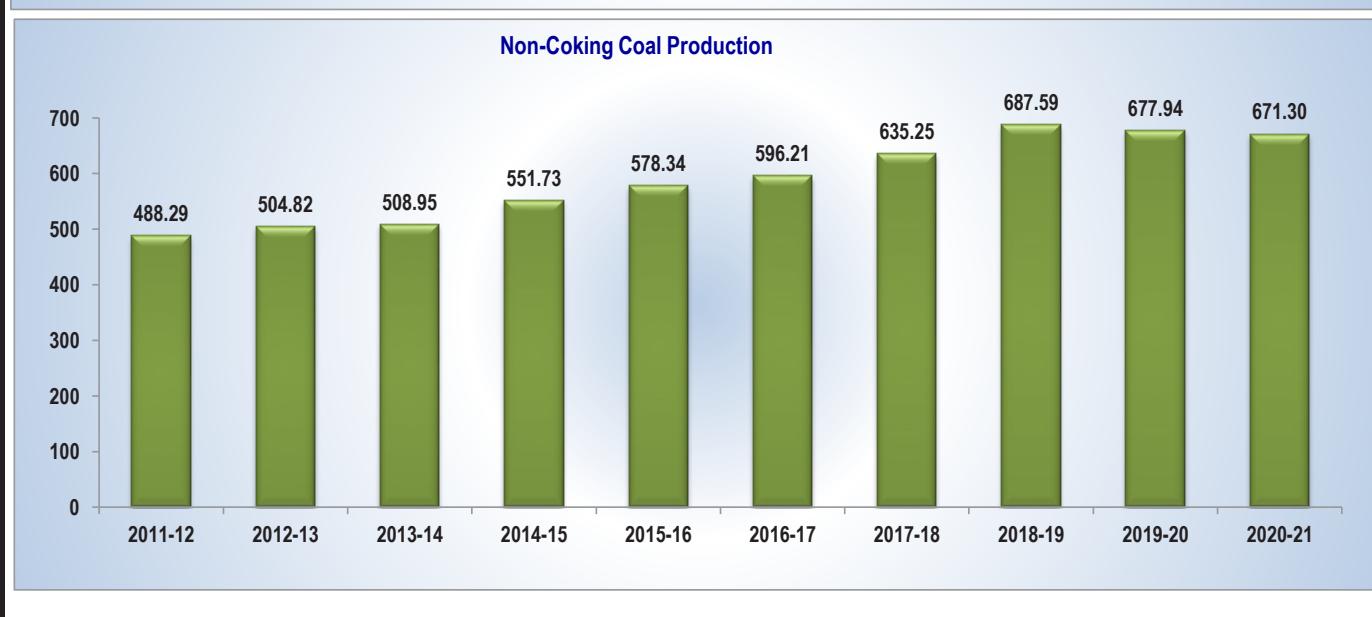
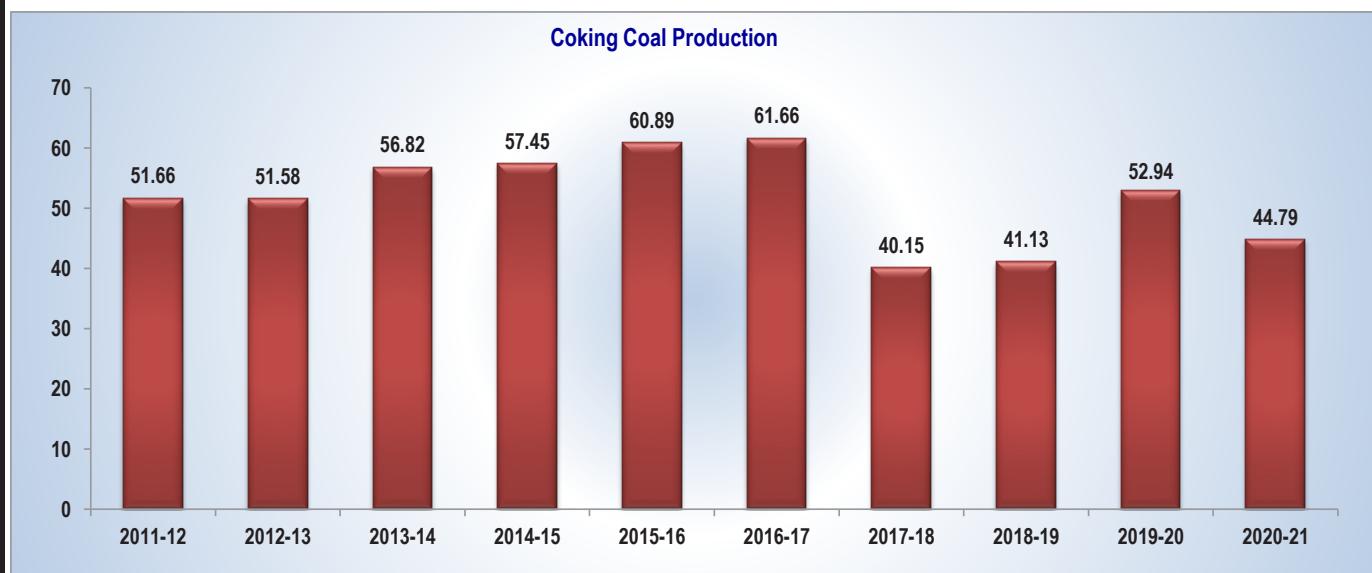


Table 3.3: Trend of Production of Different Type of Coal Products in Last Ten Years

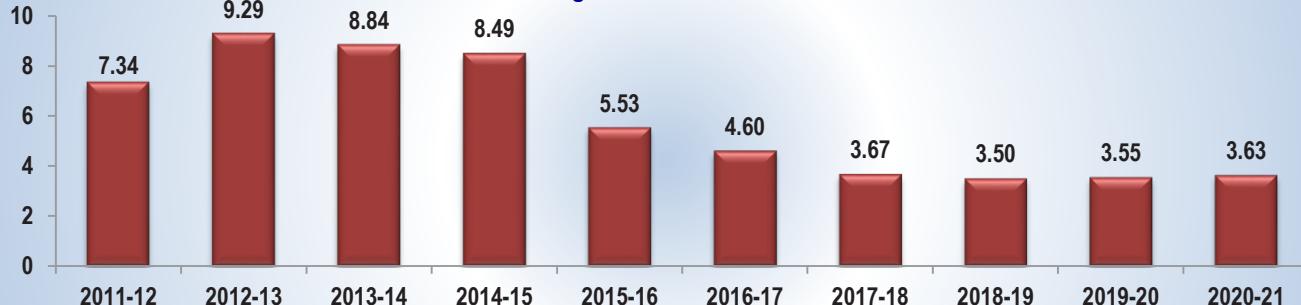
(Qty. in MT)

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

Washed Coal Production



Middling Production



Hard Coke Production



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

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

(Qty. in MT)

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

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

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

Quarterly Production of Raw Coal in Last Three Years

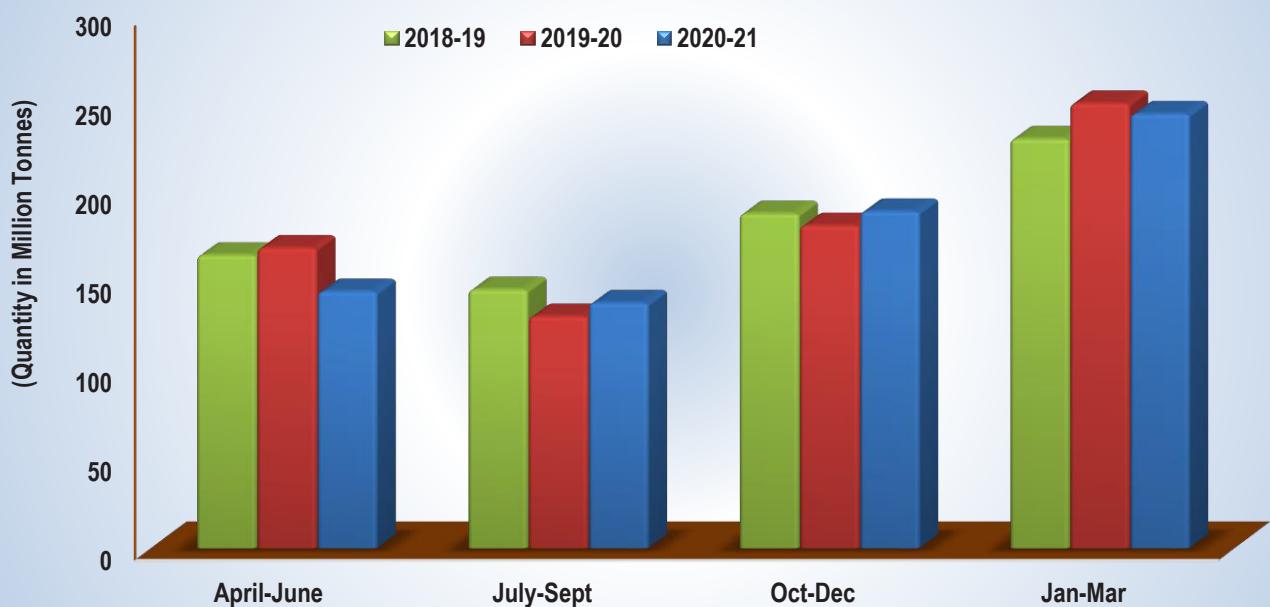


Table 3.5 : Quarterly Production of Different Type of Coal Products in Last Three Years

(Qty. in MT)

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

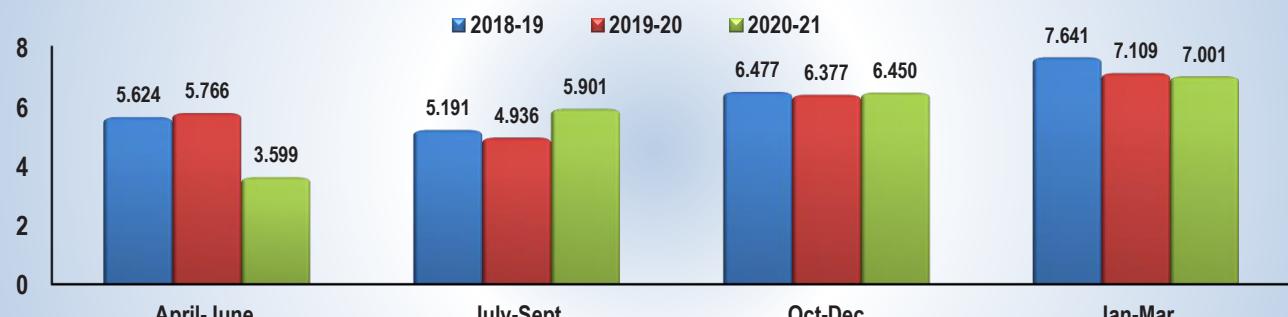
Note: (1) *Growth (%) is calculated over similar period of last year.

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

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

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

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



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

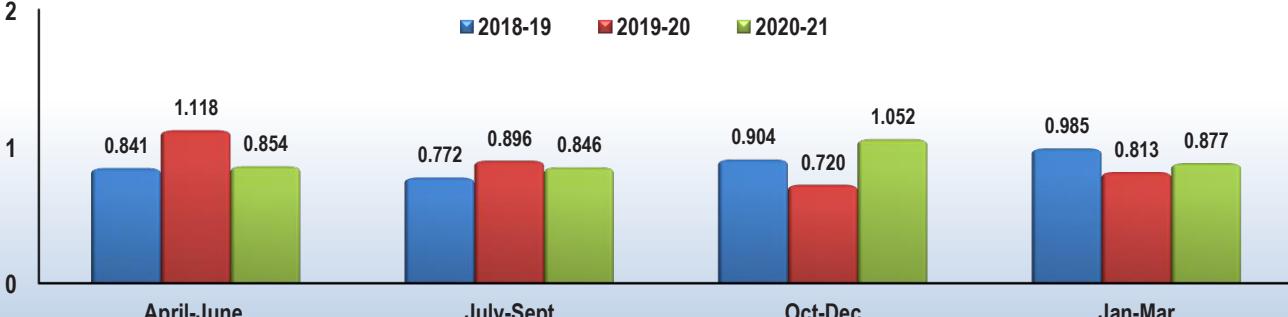


Table 3.6 : Monthly Production of Different Type of Raw Coal and Lignite during 2020-21

(Qty. in MT)

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

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

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

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

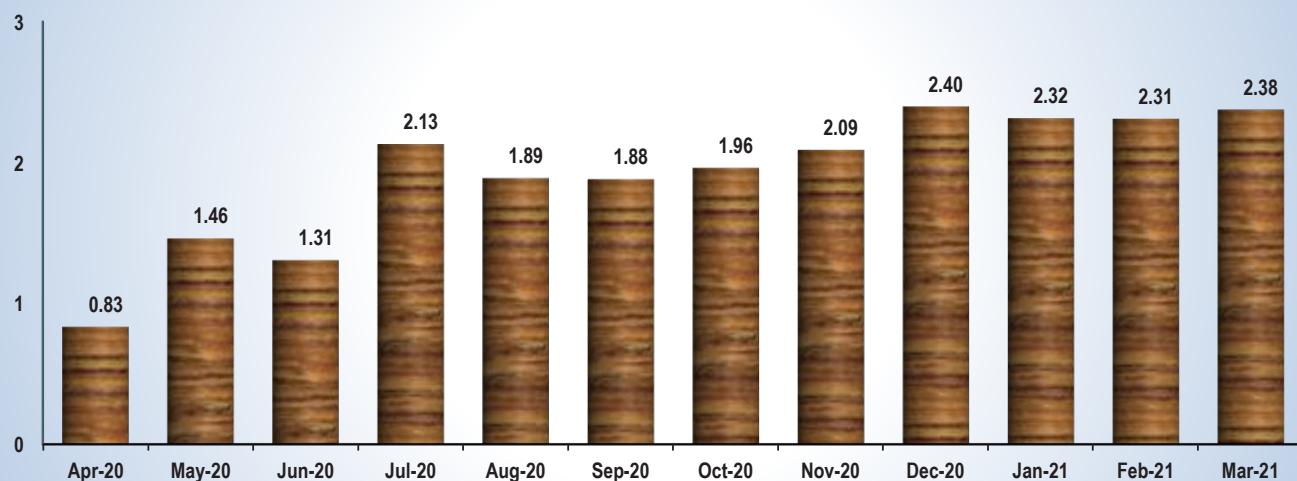


Table 3.7: Monthly Production of Different Type of Coal Products during 2020-21

(Qty. in MT)

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

Month Wise Production of Washed Coal in 2020-21



Month Wise Production of Middlings in 2020-21

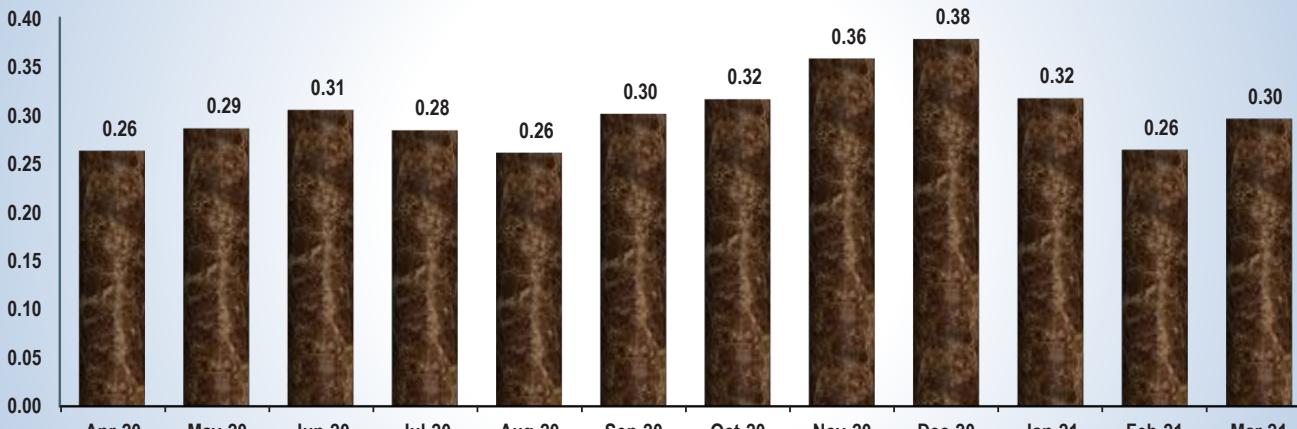


Table 3.8 : Share of Raw Coal Production by State in Last Ten Years

(Qty. in MT)

Year	Arunachal Pradesh			Assam			Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	0.221	0.04	-26.09	0.602	0.11	-45.32	113.958	21.11	0.12
2012-13	0.073	0.01	-66.97	0.605	0.11	0.50	117.83	21.18	3.40
2013-14	0	-	-	0.664	0.12	9.75	127.095	22.46	7.86
2014-15	0	-	-	0.779	0.13	17.32	134.764	22.12	6.03
2015-16	0	-	-	0.487	0.08	-37.48	130.605	20.43	-3.09
2016-17	0	-	-	0.600	0.09	23.20	138.525	21.06	6.06
2017-18	0	-	-	0.781	0.12	30.17	142.546	21.11	2.90
2018-19	0	-	-	0.784	0.11	0.38	161.893	22.22	13.57
2019-20	0	-	-	0.517	0.07	-34.06	157.745	21.58	-2.56
2020-21	0	-	-	0.036	0.01	-93.04	158.410	22.12	0.42
Year	Jammu & Kashmir			Jharkhand			Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2011-12	0.02	0.00	-13.04	109.566	20.29	0.57	71.123	13.17	0.03
2012-13	0.019	0.00	-5.00	111.274	20.00	1.56	75.948	13.65	6.78
2013-14	0	0.00	0.00	113.091	19.99	1.63	75.590	13.36	-0.47
2014-15	0	0.00	-31.58	124.143	20.38	9.77	87.609	14.38	15.90
2015-16	0	0.00	0.00	121.067	18.94	-2.48	107.714	16.85	22.95
2016-17	0	0.00	-23.08	126.435	19.22	4.43	105.013	15.96	-2.51
2017-18	0	0.00	40.00	123.297	18.26	-2.48	112.127	16.60	6.77
2018-19	0	0.00	-7.14	134.666	18.48	9.22	118.661	16.28	5.83
2019-20	0	0.00	7.69	131.763	18.03	-2.16	125.726	17.20	5.95
2020-21	0	0.00	-28.57	123.428	17.24	-6.33	132.531	18.51	5.41
Year	Maharashtra			Meghalaya			Odisha		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2011-12	39.159	7.25	-0.45	7.206	1.33	3.22	105.476	19.53	2.84
2012-13	39.134	7.03	-0.06	5.64	1.01	-27.77	110.132	19.79	4.41
2013-14	37.223	6.58	-4.88	5.732	1.01	1.61	112.917	19.96	2.53
2014-15	38.257	6.28	2.78	2.524	0.41	-127.10	123.627	20.29	9.48
2015-16	38.351	6.00	0.25	3.712	0.58	32.00	138.461	21.66	12.00
2016-17	40.559	6.17	5.76	2.308	0.35	-60.83	139.359	21.18	0.65
2017-18	42.219	6.25	4.09	1.529	0.23	-50.95	143.328	21.22	2.85
2018-19	49.818	6.84	18.00	0.000	0.00	0.00	144.312	19.80	0.69
2019-20	54.746	7.49	9.89	0.000	0.00	0.00	143.016	19.57	-0.90
2020-21	47.435	6.62	-13.35	0.000	0.00	0.00	154.151	21.53	7.79

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

(Qty. in MT)

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

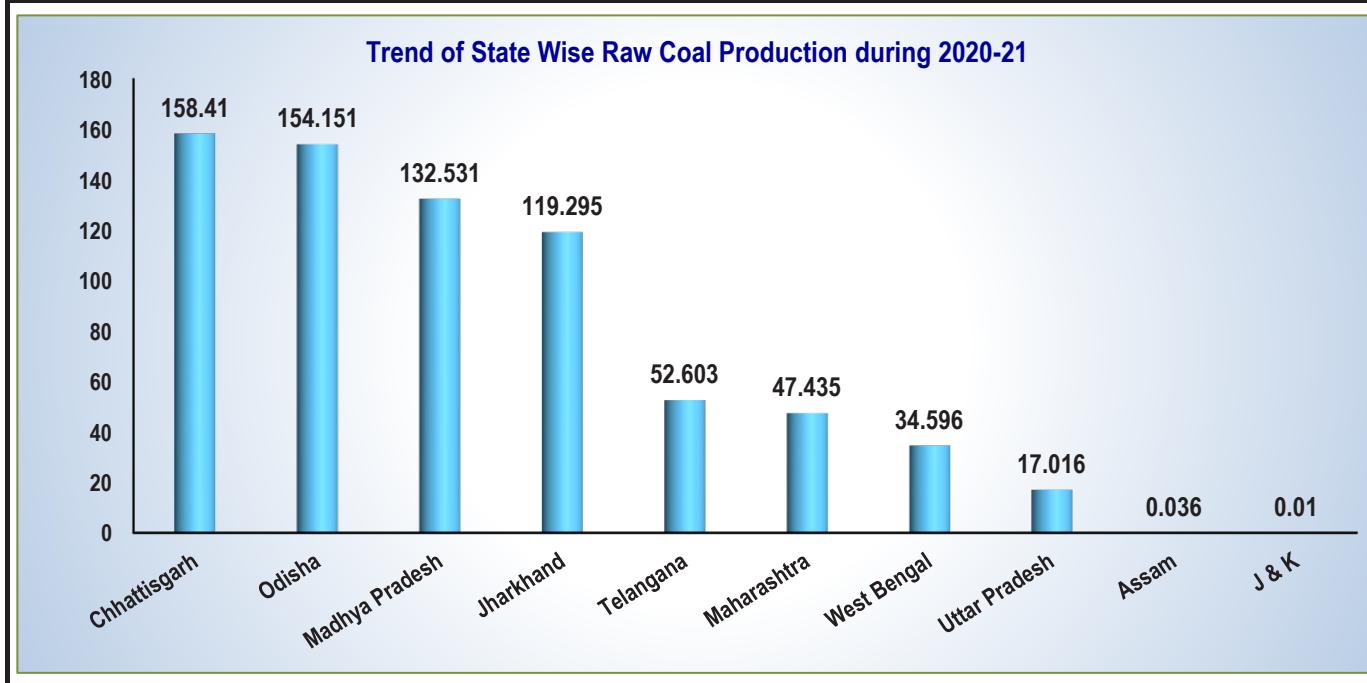
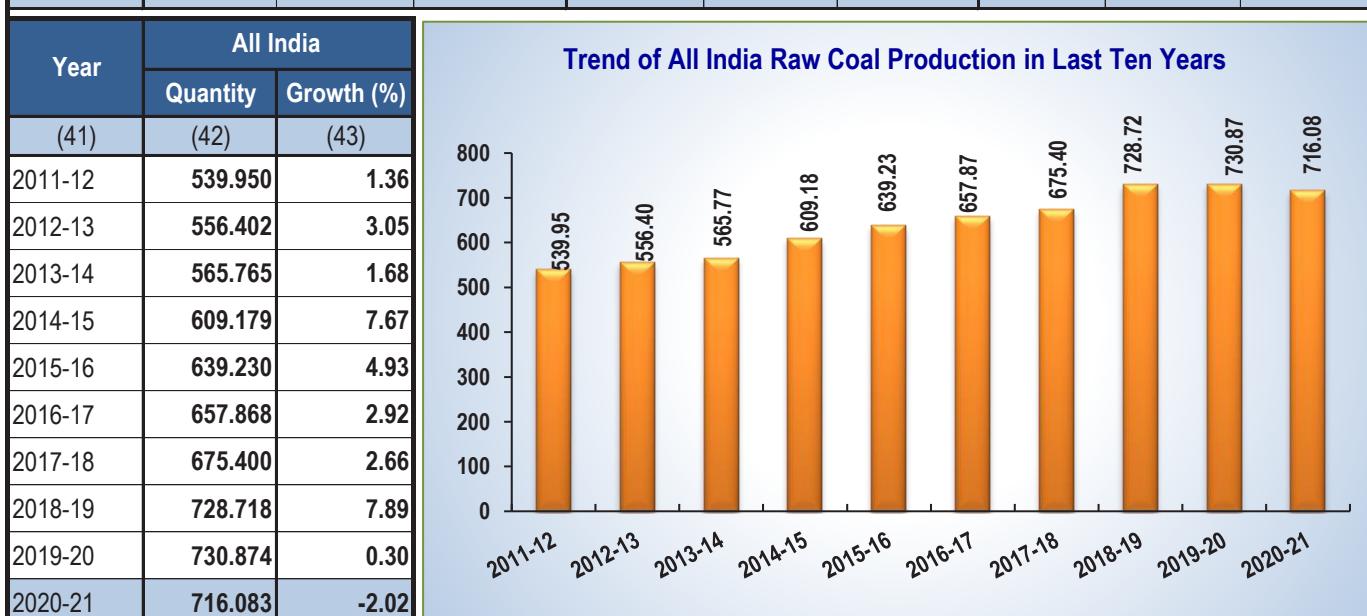


Table 3.9 : Share of Lignite Production by State in Last Ten Years

(Qty. in MT)

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

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

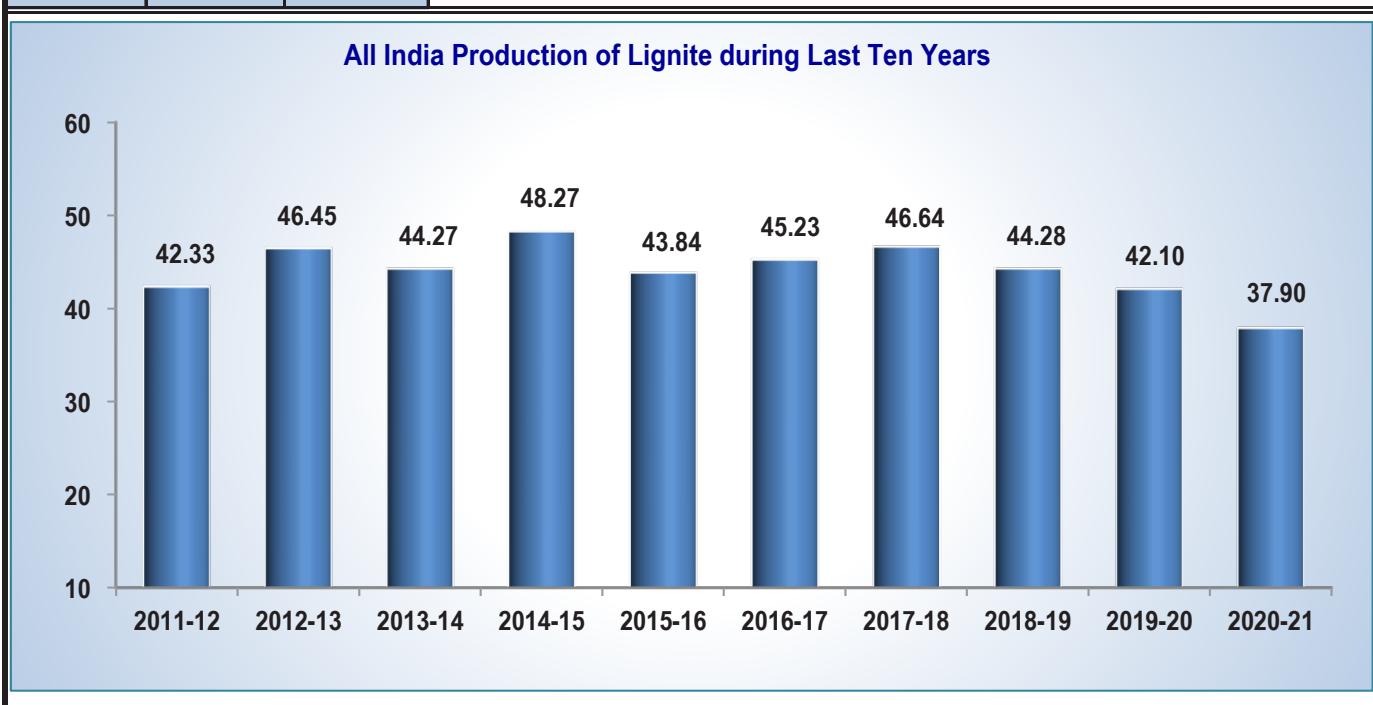
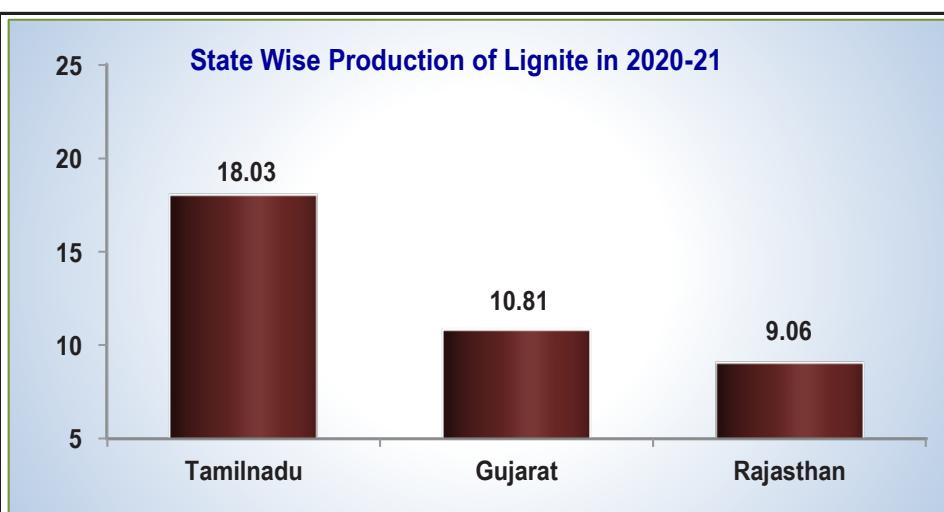


Table 3.10 : Trends of Company Wise Production of Coal & Lignite in Last Three Years

(Qty. in MT)

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

Table 3.11: State Wise Production of Raw Coal by Type in Last Five Years

(Qty. in MT)

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

Table 3.12: Statewise Production of Lignite by Type in Last Five Years

(Qty. in MT)

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

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

(Qty. in MT)

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

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

(Qty. in MT)

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

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

(Quantity in Million Tonnes)

Companies	Production of Coking Coal												
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	Wash -V	Wash-VI	Mg Feed	Met.Coal	Non Met	Total Coking
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
ECL						0.015						0.015	0.015
BCCL	0.001	0.008		0.202	1.412	1.086	13.798	6.487	0.390		23.384	0.000	23.384
CCL					0.304	0.330	8.057	6.311	0.041		2.947	12.096	15.043
NCL												0.000	0.000
WCL							0.181					0.181	0.181
SECL			0.219									0.219	0.219
SECL(GP-IV/2&3)												0.000	0.000
SECL(GP-IV/1)												0.000	0.000
MCL												0.000	0.000
NEC												0.000	0.000
CIL	0.001	0.008	0.219	0.202	1.716	1.431	22.036	12.798	0.431	0.000	26.331	12.511	38.842
SCCL												0.000	0.000
JKML												0.000	0.000
JSMDCL												0.000	0.000
DVC												0.000	0.000
IISCO						0.092				0.092	0.000	0.092	
SAIL												0.000	0.000
RRVUNL												0.000	0.000
NTPC												0.000	0.000
WBDPCL												0.000	0.000
CSPGCL												0.000	0.000
TSPGCL												0.000	0.000
OCPL												0.000	0.000
DPL												0.000	0.000
NLCIL												0.000	0.000
Total Public	0.001	0.008	0.219	0.202	1.716	1.431	22.128	12.798	0.431	0.000	26.423	12.511	38.934
TSL					0.649	0.389	4.815				5.853	0.000	5.853
BALCO												0.000	0.000
CESC												0.000	0.000
GMR												0.000	0.000
HIL												0.000	0.000
JPVL												0.000	0.000
SIL												0.000	0.000
SPL												0.000	0.000
RCCPL												0.000	0.000
TUML												0.000	0.000
OCL												0.000	0.000
AMBUJA												0.000	0.000
Total Private	0.000	0.000	0.000	0.000	0.649	0.389	4.815	0.000	0.000	0.000	5.853	0.000	5.853
All India	0.001	0.008	0.219	0.202	2.365	1.820	26.943	12.798	0.431	0.000	32.276	12.511	44.787

COAL DIRECTORY OF INDIA 2020-21
Table 3.16: Grade Wise Production of Non-Coking Coal by Companies in 2020-21
(Quantity in Million Tonnes)

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

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

(Qty. in MT)

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

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

(Qty. in MT)

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

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

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

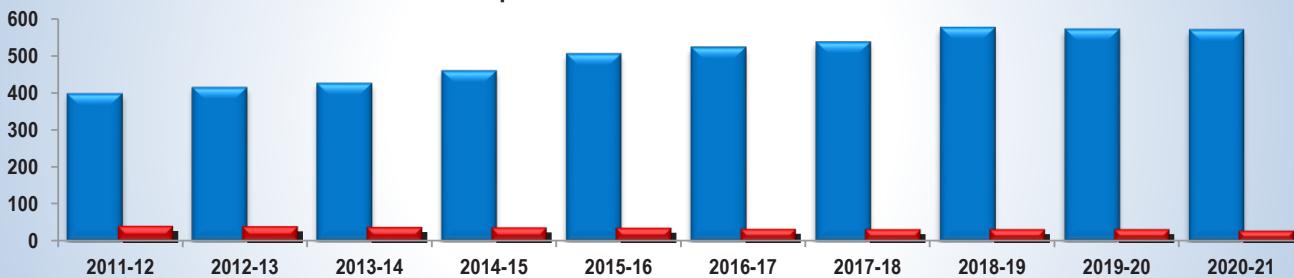
Table 3.19: Trend of Production of Raw Coal from Open Cast and Under Ground Mines in Last Ten Years

(Qty. in MT)

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

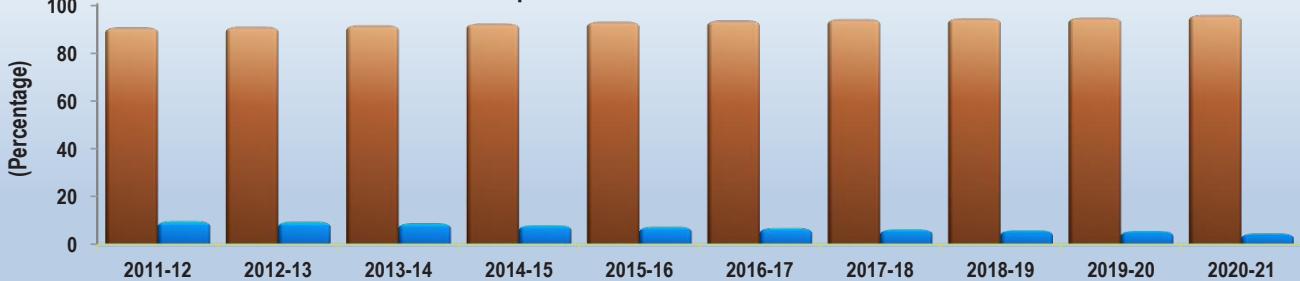
Production by Type of Mines - CIL

■ Open Cast ■ Under Ground



Percentage Distribution of Production by Type of Mines - India

■ Open Cast ■ Under Ground



Production by Type of Mines - SCCL

■ Open Cast ■ Under Ground

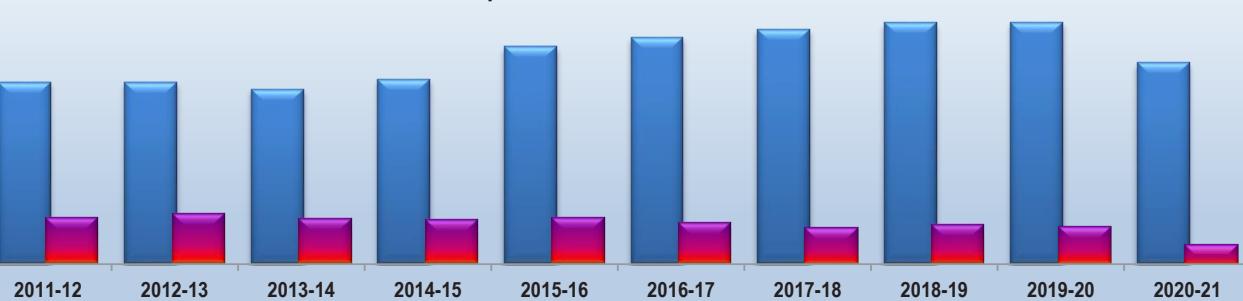


Table 3.20: Company Wise Production of Raw Coal from Open Cast and Under Ground Mines in Last Two Years

(Qty. in MT)

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

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

(Qty. in MT)

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

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

(Qty. in MT)

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

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

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

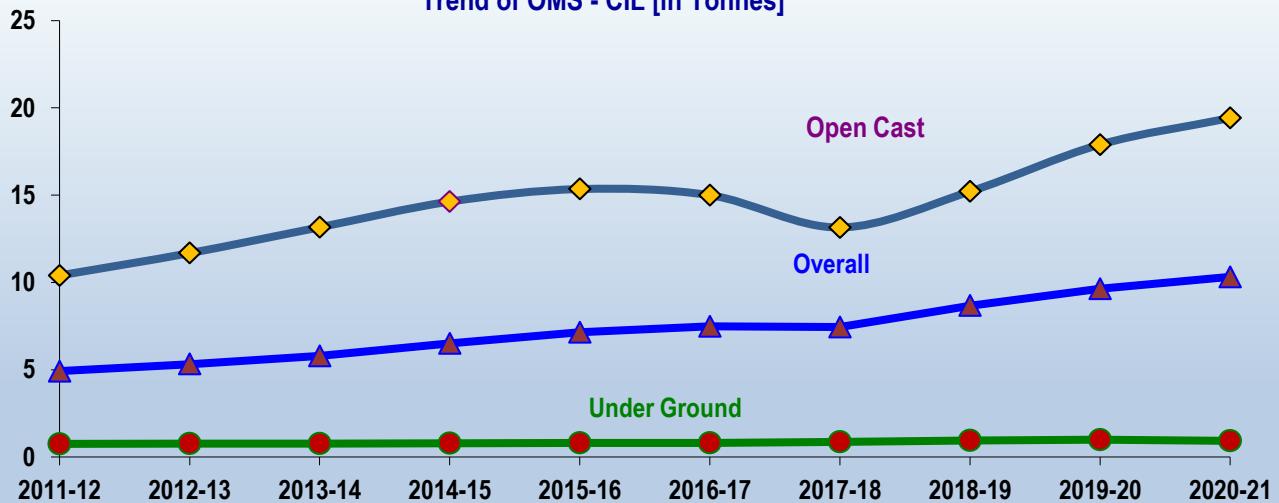
(3) While calculating stripping ratio, if OBR is not reported, corresponding production was excluded to find public/private sector OBR

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

(Qty. in MT)

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

Trend of OMS - CIL [in Tonnes]



Trend of OMS - SCCL [in Tonnes]

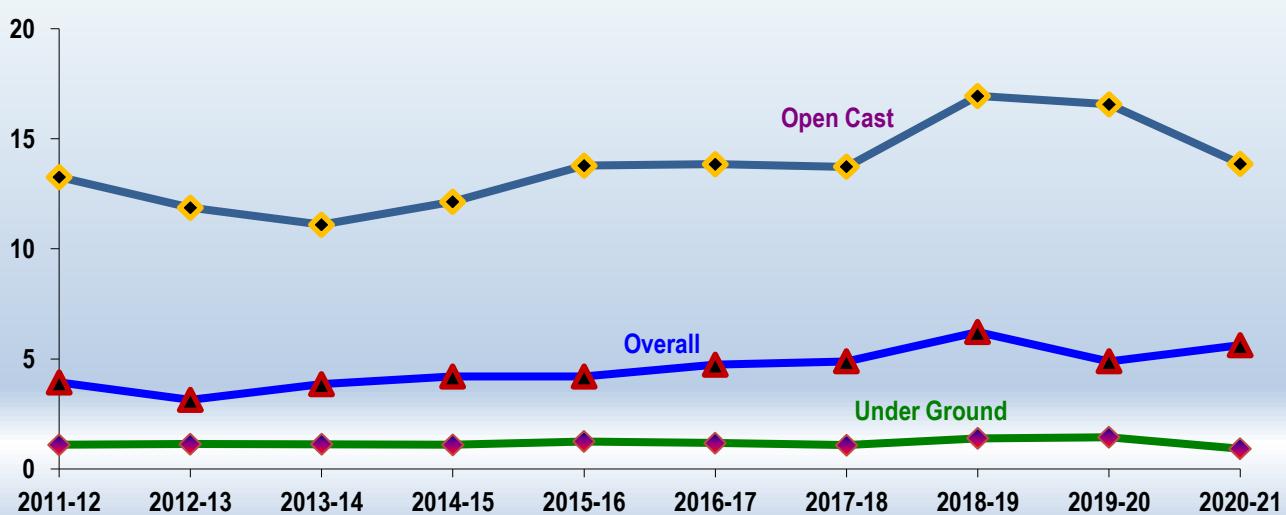


Table 3.24: Company Wise Production, Manshifts & OMS (CIL & SCCL) by Type of Mines in Last Three Years

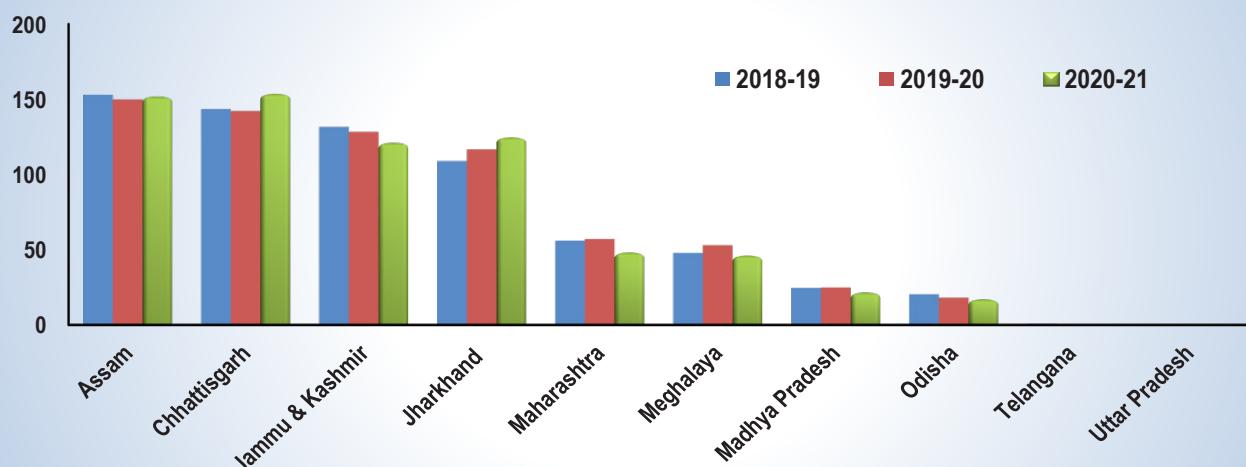
(Qty. in MT)	Type of Mines	2018-19			2019-20			2020-21		
		Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)	Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)	Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ECL	OC	41.099	2.415	17.02	41.195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

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

(Qty. in MT)

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

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



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

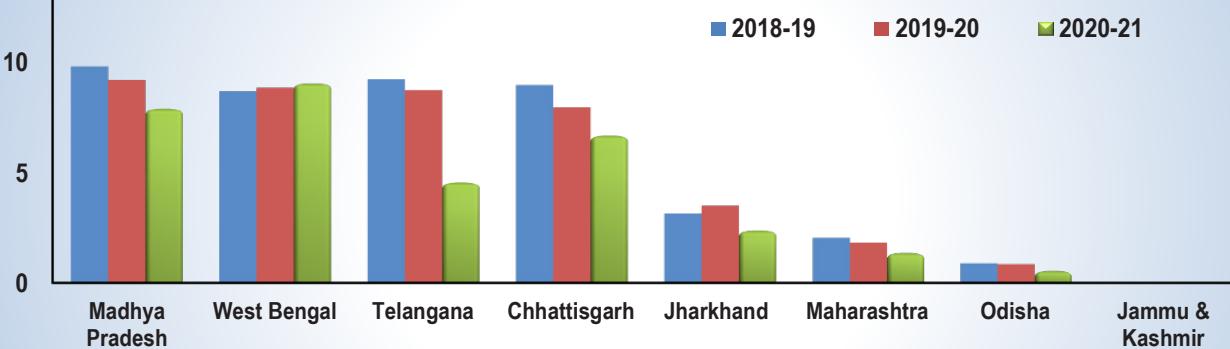


Table 3.26 : Captive Block Wise Production of Raw Coal During Last Three Years

(Qty. in MT)

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

4

Despatch & Off-take



Section IV

4.1 Despatch & Off-take

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

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

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

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

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

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

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

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

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

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

Statement 4.12: Despatch of Washed Coal and Middlings in 2020-21 (MT)		
Company	Washed coal	Middlings
BCCL	0.755	1.079
CCL	5.873	0.732
IISCO	0.595	0.442
RRVUNL	12.327	
Public	19.550	2.253
TSL	3.119	1.079
CESC	0.755	
Private	3.874	1.079
Total	23.424	3.332

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

Statement 4.23: Despatch of Raw Coal in India in 2020-21 to different sectors [MT]	
Sector	Despatch & Off-take [MT]
Power (Utility)	528.945
Power (Captive)	45.786
Steel	8.975
Cement	6.754
Sponge Iron	9.565
Fertilizers	1.527
Pulp & Paper	1.045
Other Basic Metal	0.683
Chemical	0.158
Textiles & Rayons	0.080
Bricks	0.025
Others	80.839
Total Despatch	690.884
Colliery Consumption	0.197
Total Off-take	690.081

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

Statement 4.23: Despatch of Lignite in India in 2020-21 to different sectors [MT]	
Sector	Despatch & Off-take [MT]
Power (Utility)	14.973
Power (Captive)	17.964
Steel	0.024
Cement	0.811
Sponge Iron	0.014
Pulp & Paper	0.566
Chemical	0.365
Textiles & Rayons	0.290
Bricks	0.428
Others	3.071
Total Despatch	38.492
Colliery Consumption	0.000
Total Off-take	38.492

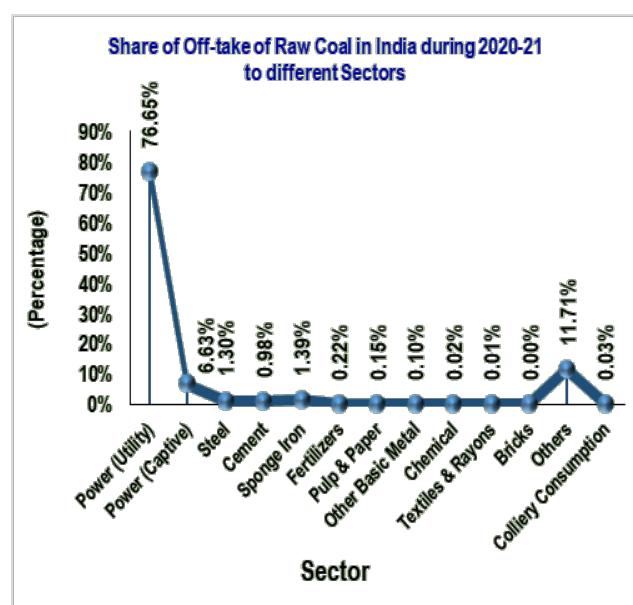


Chart 4.1 : Despatch of Raw Coal from different State During Last Three Years

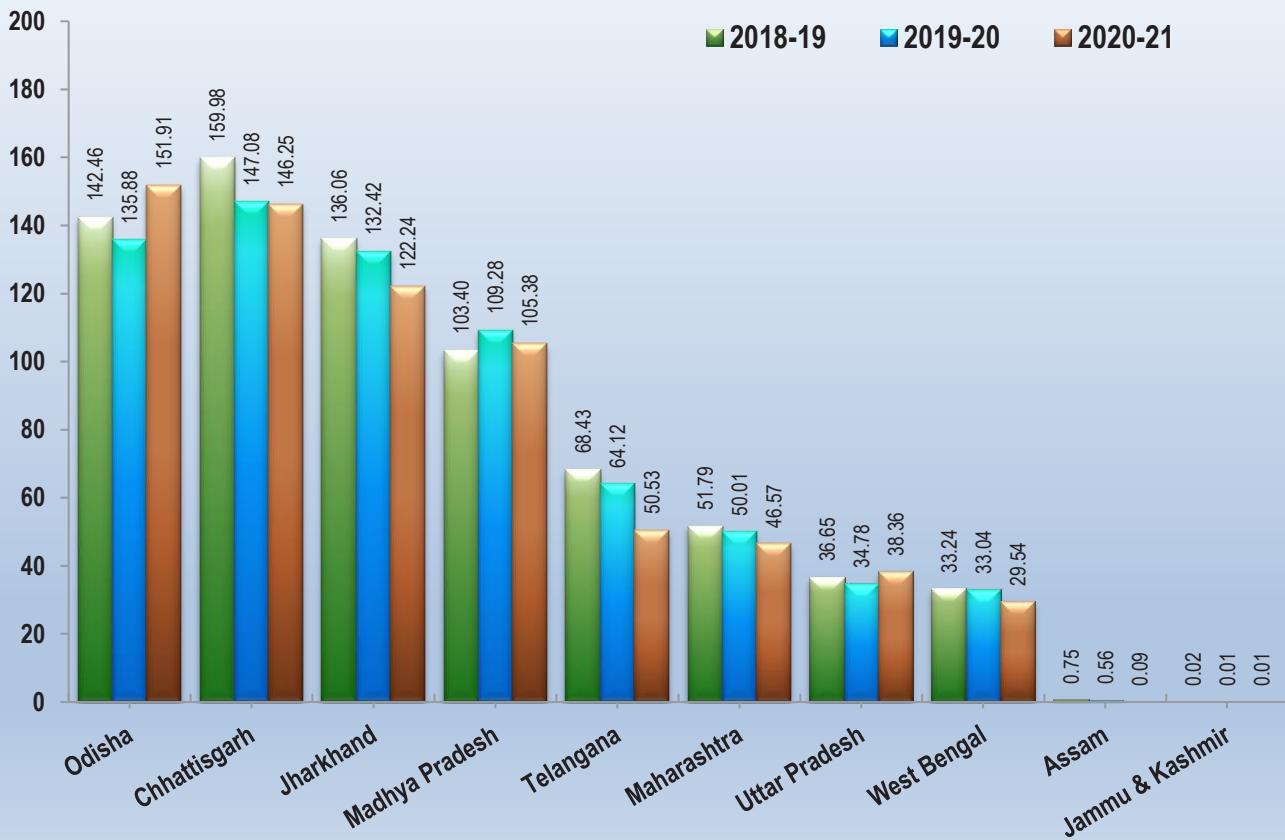


Chart 4.2 : Despatch of Raw Coal from different Companies During Last Three Years

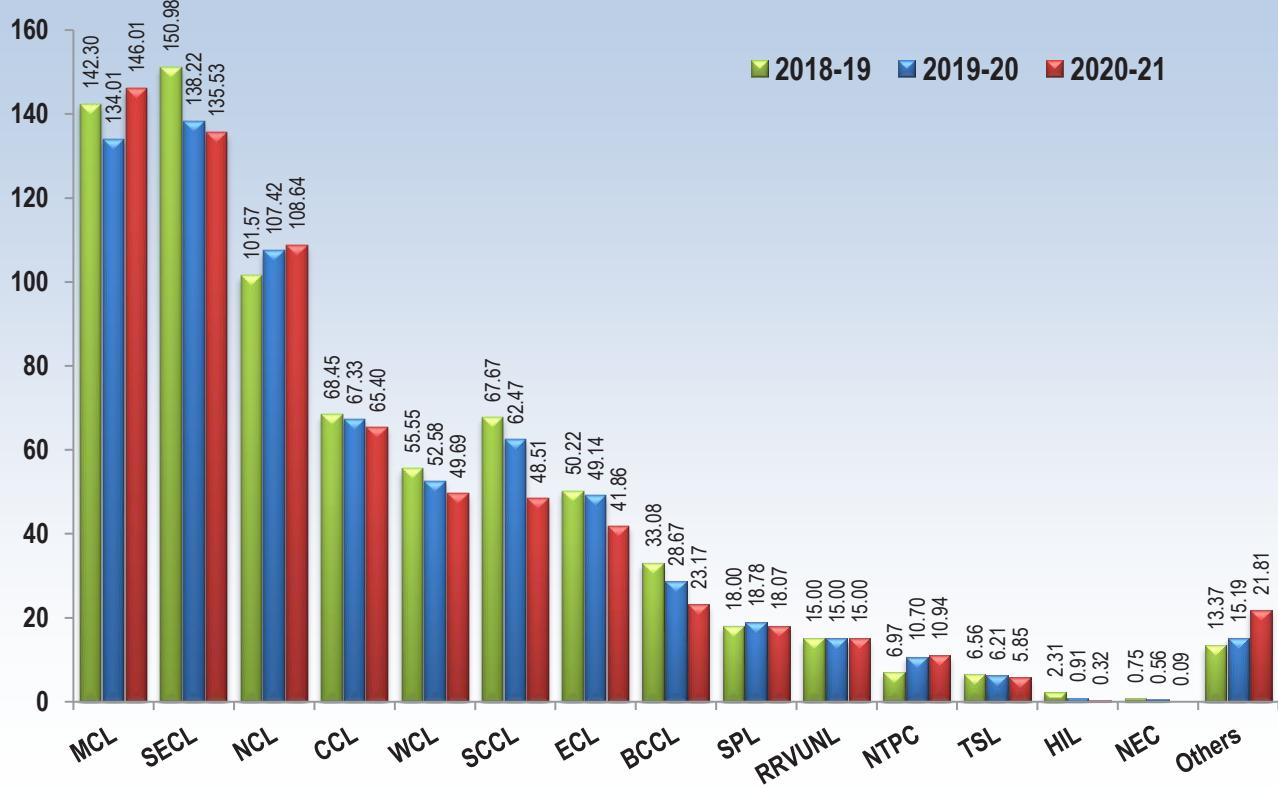


Chart 4.3: Sector Wise Despatch of Raw Coal from different Companies in 2020-21

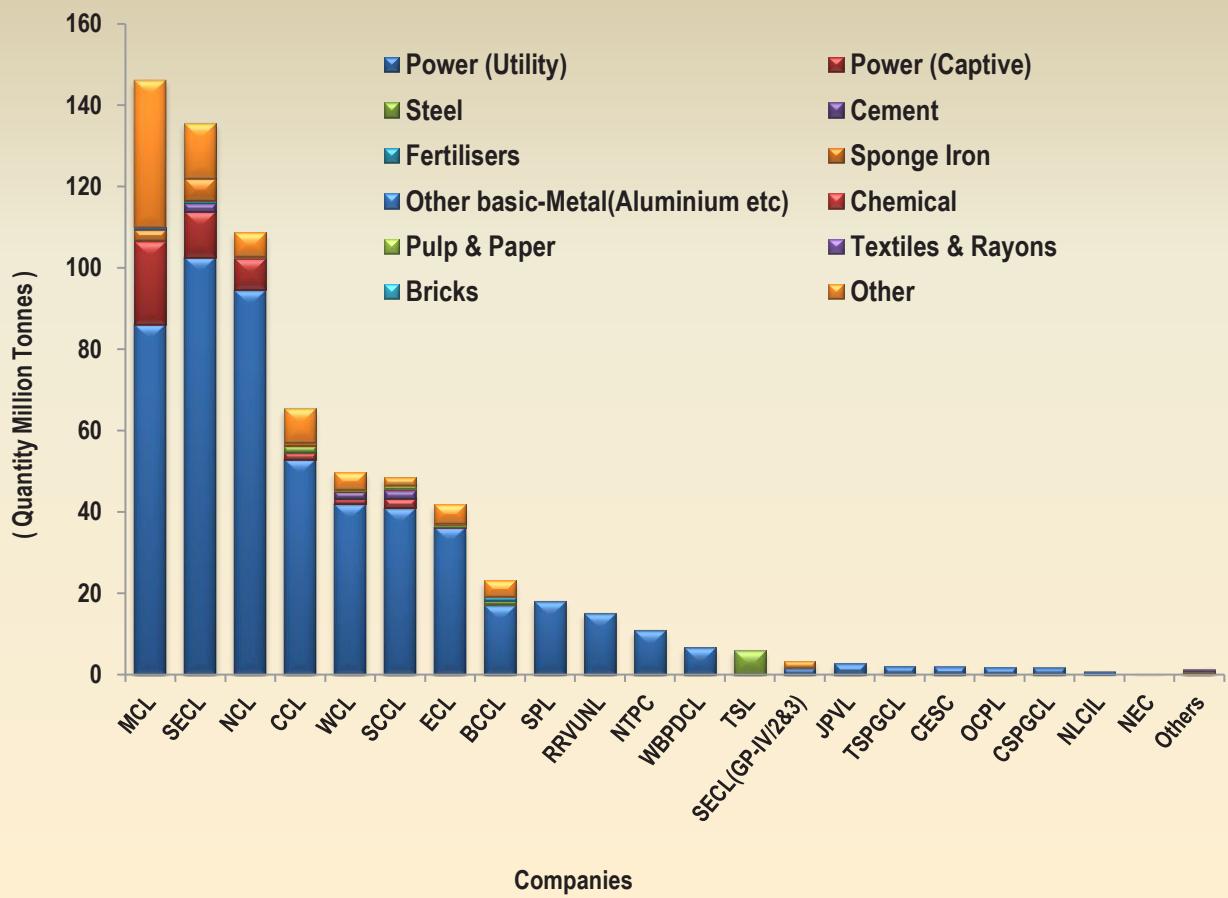


Chart 4.4: Grade Wise Raw Coal Despatch During 2020-21

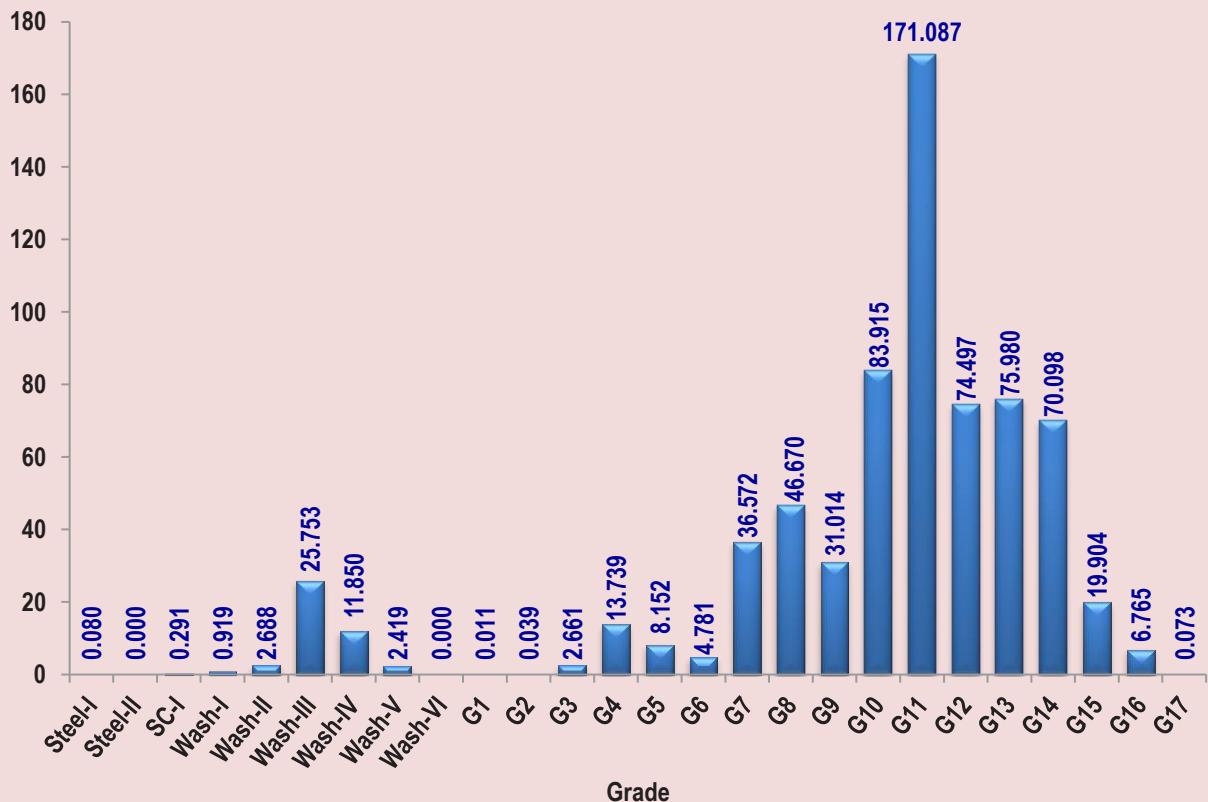


Table 4.1: Trend of Despatch of Raw Coal and Lignite during Last Ten Years

(Qty. in MT)

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

Raw Coal : Growth (%) Over Previous Year



Lignite: Growth (%) Over Previous Year

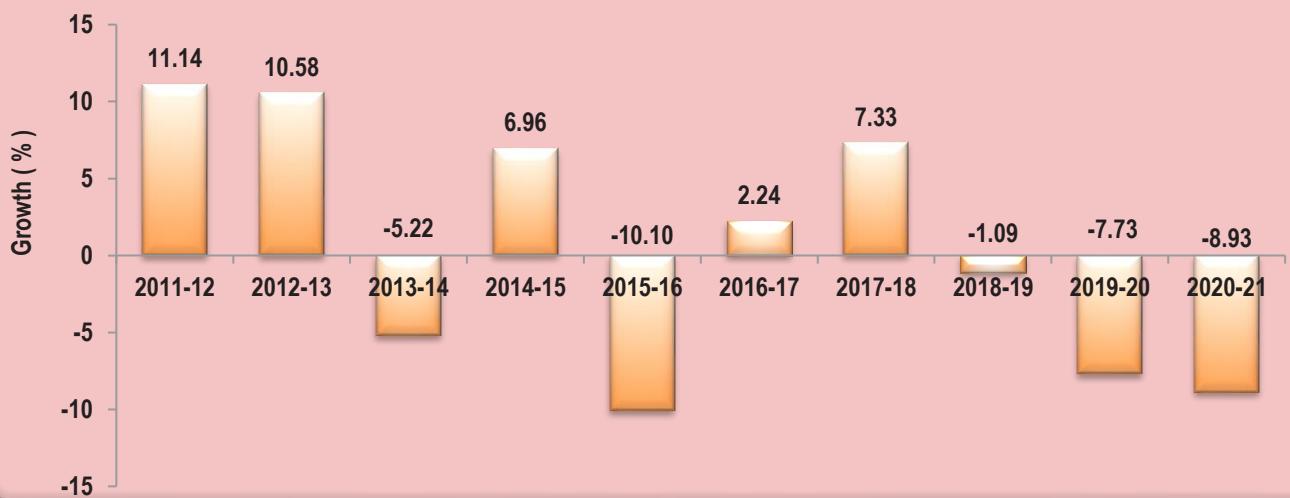


Table 4.2: Trend of Despatch of Different Types of Raw Coal During Last Ten Years

(Qty. in MT)

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

Coking Coal : Despatch



Non Coking Coal : Despatch

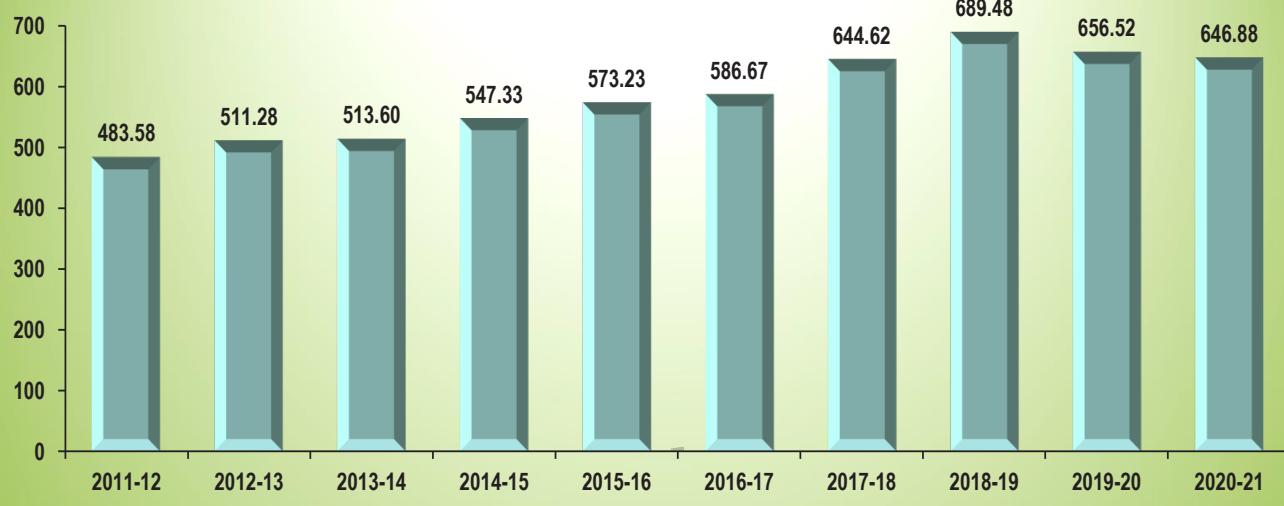


Table 4.3: Trend of Despatch of Different Types of Coal Products in Last Ten Years

(Qty. in MT)

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

Washed Coal : Despatch



Middlings : Despatch



Note:

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

Table 4.4 : Quarterly Despatch of Different Types of Raw Coal and Lignite in Last Three Years

(Qty. in MT)

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

Quarterly Despatch of Raw Coal in Last Three Years

■ 2018-19 ■ 2019-20 ■ 2020-21

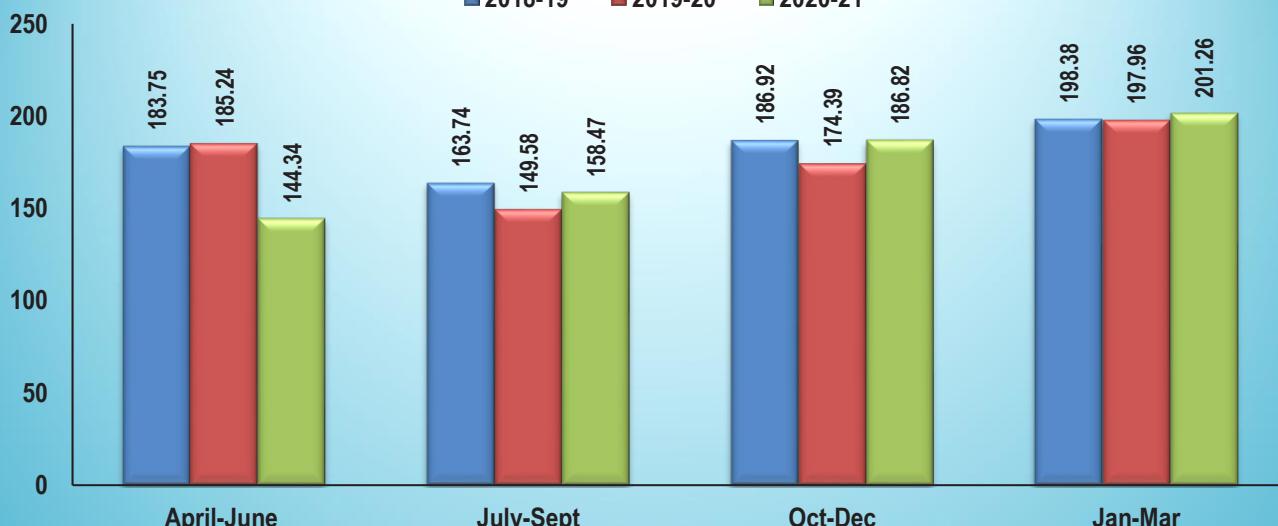
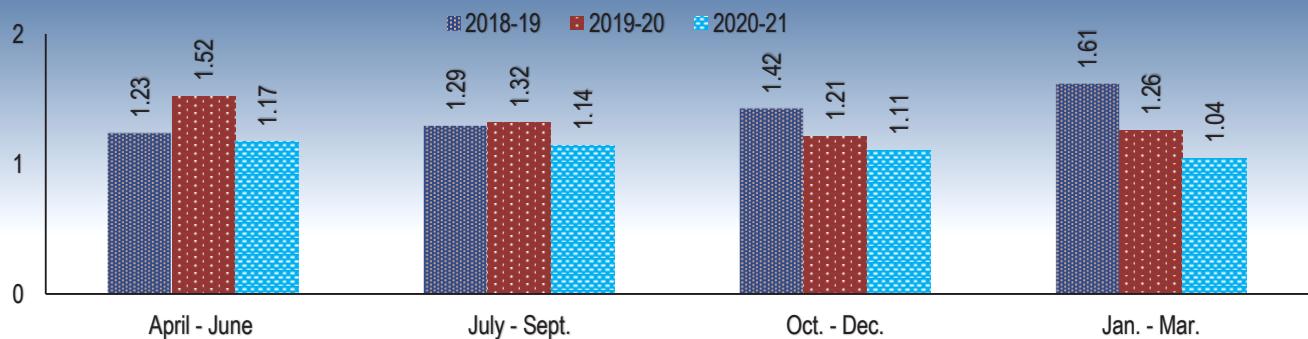


Table 4.5 : Quarterly Despatch of Different Types of Coal Products in Last Three Years

(Qty. in MT)

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

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



Quarterly Despatch of Middling (Coking) in Last Three Years

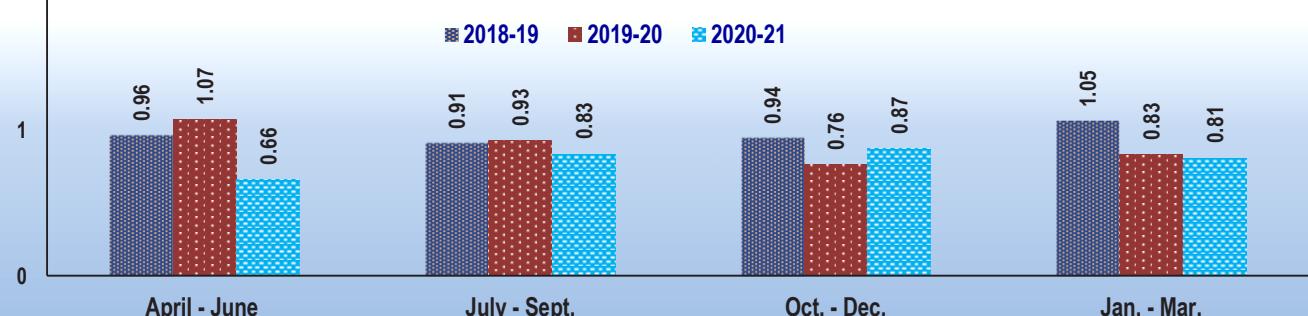


Table 4.6: Monthly Despatch of Different Types of Raw Coal and Lignite During 2020-21

(Qty. in MT)

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

Month Wise Despatch of Raw Coal in 2020-21



Monthly Despatch of Lignite in 2020-21

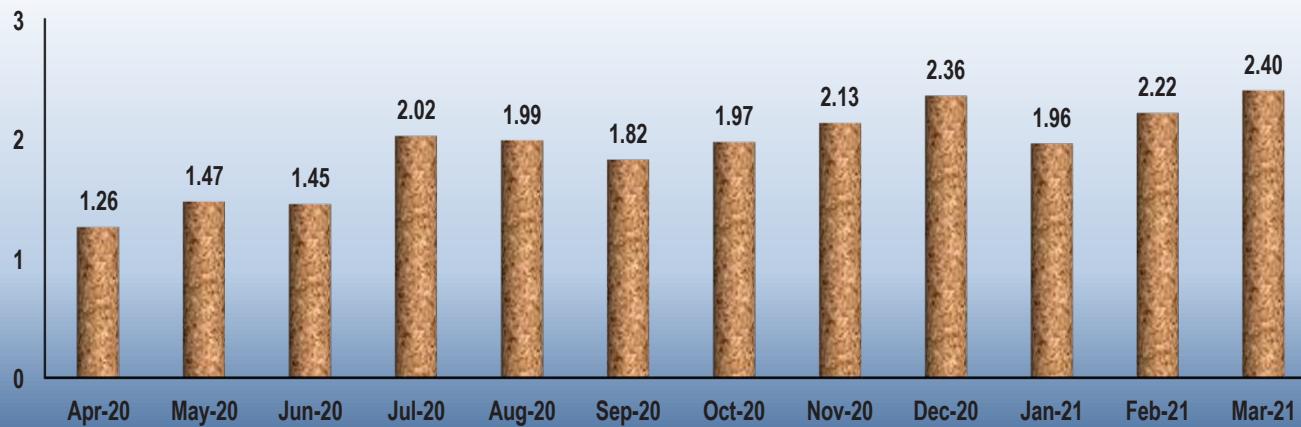


Table 4.7: Monthly Despatch of Different Types of Coal Products During 2019-20

(Qty. in MT)

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

Month Wise Despatch of Washed Coal in 2020-21



Month Wise Despatch of Middlings in 2020-21

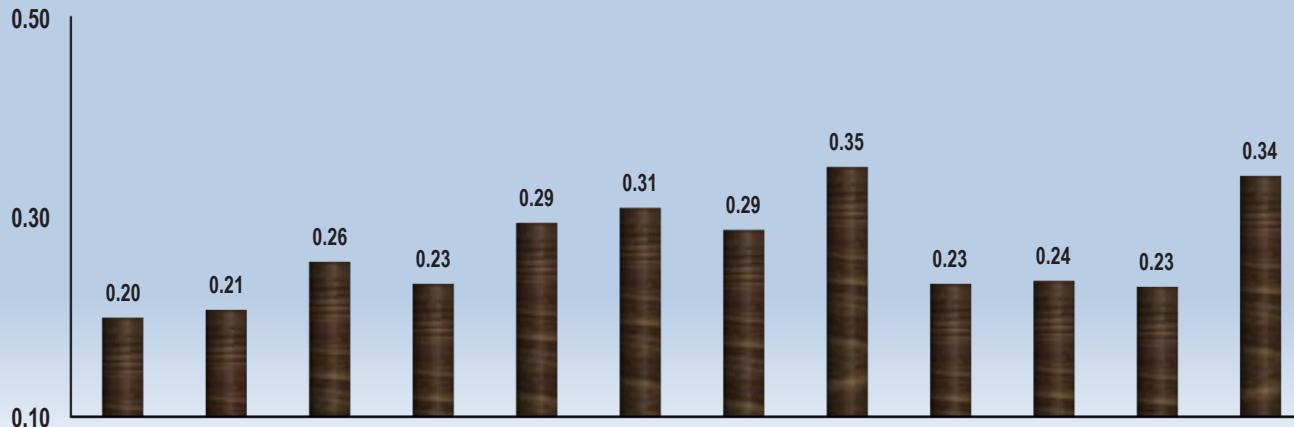


Table 4.8 : Share of Raw Coal Despatch by States During Last Ten Years

(Qty. in MT)

Year	State : Arunachal Pradesh			State: Assam			State: Chhattisgarh		
	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	0.322	0.06	31.43	0.800	0.15	-27.40	114.610	21.41	4.61
2012-13	0.055	0.01	-82.92	0.618	0.11	-22.75	121.058	21.35	5.63
2013-14	0	-	-	0.577	0.10	-6.63	124.674	21.79	2.99
2014-15	0	-	-	0.733	0.12	27.04	129.392	21.43	3.78
2015-16	0	-	-	0.342	0.05	-53.34	132.040	20.88	2.05
2016-17	0	-	-	0.777	0.12	127.19	135.268	20.94	2.44
2017-18	0	-	-	0.895	0.13	15.19	146.656	21.25	8.42
2018-19	0	-	-	0.754	0.10	-15.75	159.984	21.83	9.09
2019-20	0	-	-	0.562	0.10	-25.46	147.076	20.80	-8.07
2020-21	0	-	-	0.090	0.10	-83.99	146.253	21.17	-0.56
Year	State: Jammu & Kashmir			State: Jharkhand			State: Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2011-12	0.023	0.00	-8.00	109.792	20.51	2.96	69.560	12.99	0.17
2012-13	0.014	0.00	-39.13	119.276	21.03	8.64	60.411	10.65	-13.15
2013-14	0.013	0.00	-7.14	116.798	20.42	-2.08	63.096	11.03	4.44
2014-15	0.013	0.00	0.00	122.044	20.21	4.49	74.243	12.30	17.67
2015-16	0.012	0.00	-7.69	118.072	18.67	-3.25	85.205	13.47	14.77
2016-17	0.011	0.00	-8.33	120.739	18.69	2.26	87.743	13.58	2.98
2017-18	0.021	0.00	90.91	126.564	18.34	4.82	119.930	17.38	36.68
2018-19	0.016	0.00	-23.81	136.061	18.57	7.50	103.404	14.11	-13.78
2019-20	0.010	0.00	-37.50	132.418	18.72	-2.68	109.283	15.45	5.69
2020-21	0.008	0.00	-20.00	122.238	17.69	-7.69	105.384	15.25	-3.57
Year	State: Maharashtra			State: Meghalaya			State: Odisha		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2011-12	38.108	7.12	-0.35	7.206	1.35	3.22	104.819	19.58	0.44
2012-13	38.316	6.76	0.55	5.640	0.99	-27.77	114.213	20.14	8.96
2013-14	37.205	6.50	-2.90	5.732	1.00	1.61	116.795	20.42	2.26
2014-15	38.553	6.39	3.62	2.524	0.42	-127.10	125.382	20.77	7.35
2015-16	36.444	5.76	-5.47	3.712	0.59	32.00	140.639	22.24	12.17
2016-17	34.954	5.41	-4.09	2.308	0.36	-60.83	143.287	22.18	1.88
2017-18	44.070	6.39	26.08	1.529	0.22	-50.95	138.538	20.08	-3.31
2018-19	51.793	7.07	17.52	0	0	0	142.464	19.44	2.83
2019-20	50.008	7.07	-3.45	0	0	0	135.878	19.21	-4.62
2020-21	46.571	6.74	-6.87	0	0	0	151.911	21.99	11.80

Contd....

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

(Qty. in MT)

Year	State: Telangana			State: Uttar Pradesh			State: West Bengal		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2011-12	51.389	9.60	2.68	15.467	2.89	0.48	23.203	4.33	8.23
2012-13	52.025	9.17	1.24	28.824	5.08	86.36	26.686	4.71	15.01
2013-14	47.892	8.37	-7.94	30.807	5.39	6.88	28.471	4.98	6.69
2014-15	52.662	8.72	9.96	29.021	4.81	-5.80	29.205	4.84	2.58
2015-16	58.687	9.28	11.44	31.815	5.03	9.63	25.474	4.03	-12.78
2016-17	60.791	9.41	3.59	33.006	5.11	3.74	27.094	4.19	6.36
2017-18	64.623	9.37	6.30	17.227	2.50	-47.81	29.950	4.34	10.54
2018-19	68.426	9.34	5.88	36.654	5.00	112.77	33.238	4.54	10.98
2019-20	64.122	9.07	-6.29	34.775	4.92	-5.13	33.044	4.67	-0.58
2020-21	50.533	7.31	-21.19	38.355	5.55	10.29	29.541	4.28	-10.60
Year				All India					
				Quantity	Growth(%)				
(41)				(42)	(43)				
2011-12				535.299	2.26				
2012-13				567.136	5.95				
2013-14				572.060	0.87				
2014-15				603.772	5.54				
2015-16				632.442	4.75				
2016-17				645.978	2.14				
2017-18				690.003	6.82				
2018-19				732.794	6.20				
2019-20				707.176	-3.50				
2020-21				690.884	-2.30				

All India of Raw Coal Despatch During Last Ten Years

Table 4.9 : Share of Lignite Despatch by States During Last Ten Years

(Qty. in MT)

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

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

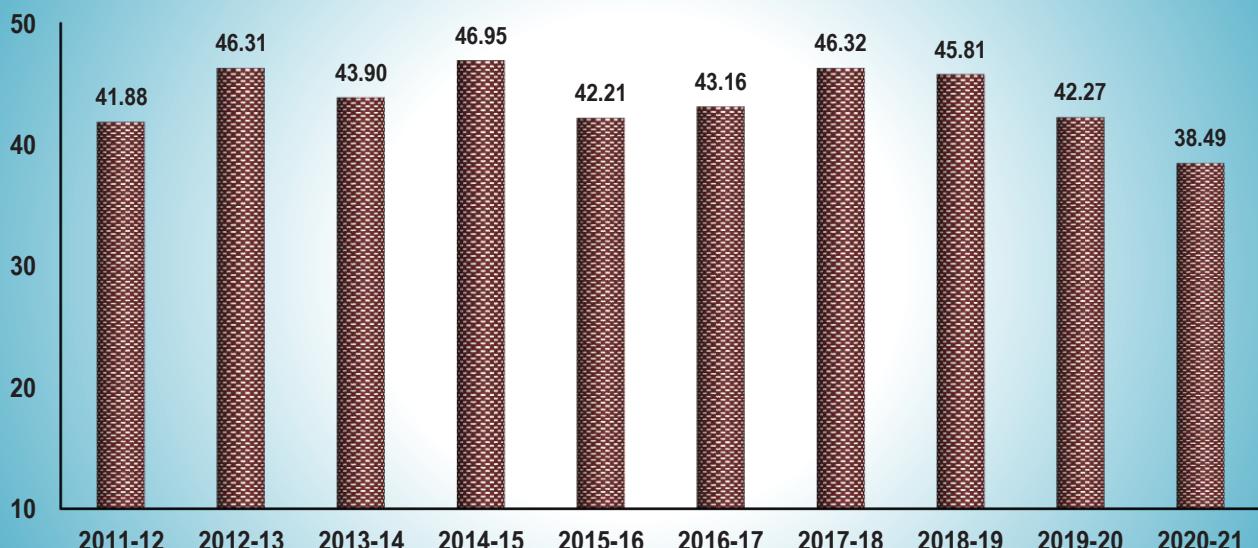
All India Lignite Despatch During Last Ten Years

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

(Qty. in MT)

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

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

(Qty. in MT)

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

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

(Qty. in MT)

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

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

(Qty. in MT)

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

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

(Qty. in MT)

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

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

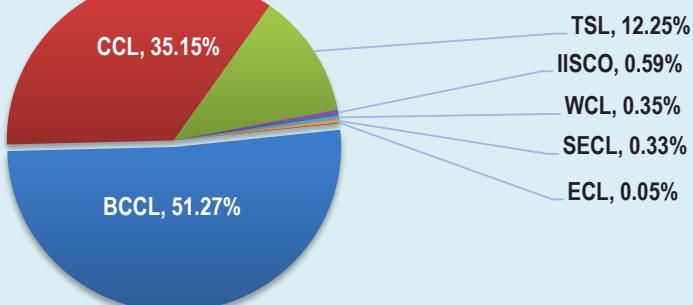


Table 4.15: Grade Wise Despatch of Non Coking Coal by Companies during 2020-21

(Qty. in MT)

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

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

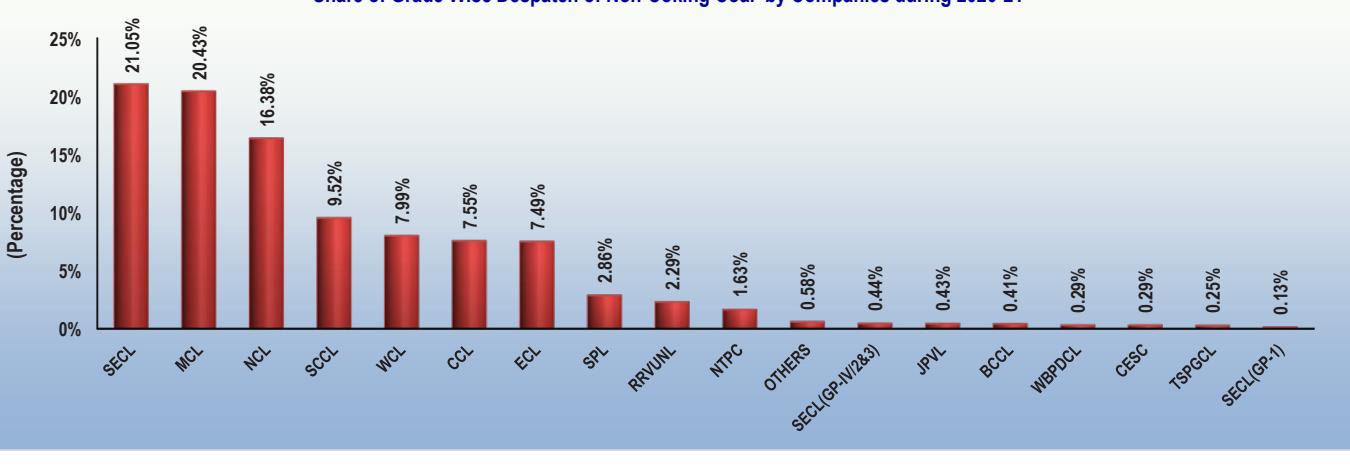
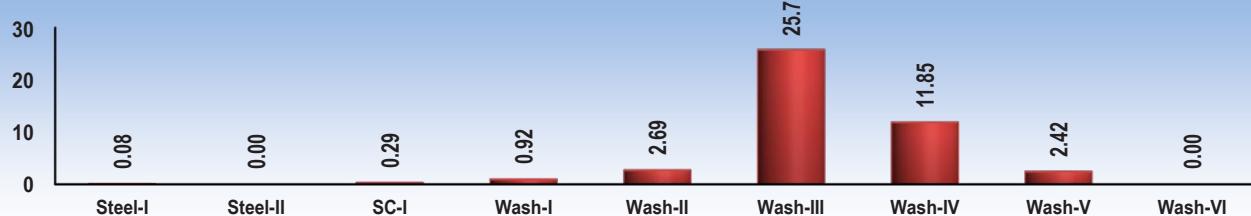


Table 4.16: Grade Wise and State Wise Despatch of Coking Coal and Non-Coking Coal in 2020-21

(Qty. in MT)

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

Grade Wise Despatch of Coking Coal during 2020-21



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

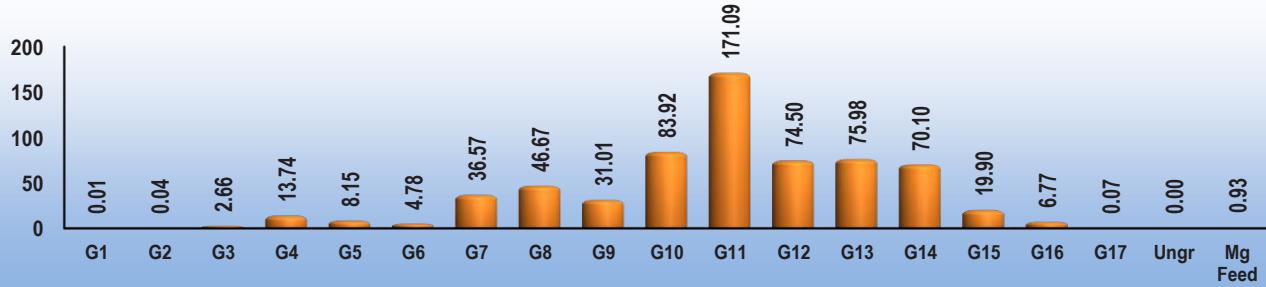


Table 4.17: Grade Wise Despatch of Coking Coal and Non-Coking Coal in India during Last Ten Years

(Qty. in MT)

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

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

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

RC=Raw Coal

CP=Coal Products

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

(Qty. in MT)

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

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

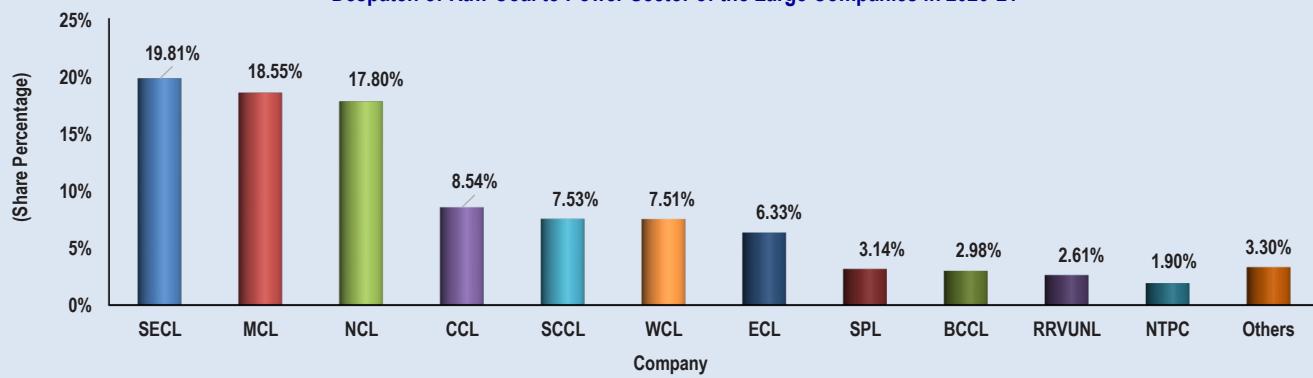


Table 4.20 : Company Wise Off-take of Raw Coal to Different Priority Sectors during 2020-21

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

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

(Qty. in MT)

Grade	Sectors																			Total Offtake																																	
	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																																		
(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																																	
Steel-II	0.080																			0.080																																	
SC-1	0.247	0.023																		0.271																																	
Wash-I	0.020																			0.020																																	
Wash-II	0.219	0.442	0.258																	0.919																																	
Wash-III	2.195	0.158	0.317																	2.688																																	
Wash-IV	14.055	0.137	4.402	1.933																25.937																																	
Wash-V	3.022	0.895																		11.671																																	
Wash-VI	2.364	0.055																		2.419																																	
Mg Feed																				0.000																																	
SLV1																				0.000																																	
Total Coking	22.122	0.137	5.025	3.538	0.000	0.000	0.000	0.942	0.000	0.000	0.000	0.000	0.000	0.000	0.000	12.236	44.000	0.005	0.000	44.005																																	
G1	0.001																			0.011																																	
G2	0.021	0.003																		0.039																																	
G3	0.920	0.192	0.030	0.437 0.088 0.252																2.685																																	
G4	9.392	0.193	0.170	0.094 0.320																13.868																																	
G5	6.307	0.042	0.112	0.083 0.364 0.229 0.064 0.004 0.003																8.181																																	
G6	3.839	0.083	0.187 0.062 0.082 0.004																	4.781																																	
G7	33.079	0.410	0.017 0.388 0.051 0.319 0.049 0.100 0.073 0.004																	36.577																																	
G8	37.306	4.915	0.050 1.458 0.246 0.452 0.009 0.003 0.010 0.001																	46.674																																	
G9	24.679	1.608	2.785 0.285 0.130 0.526 0.001 0.004 0.039 0.009																	31.015																																	
G10	73.344	3.826	2.285 1.082 0.004 0.624 0.079																	83.915																																	
G11	142.049	9.177	1.350 1.820 0.004 3.719 0.212 0.012 12.744																	171.087																																	
G12	58.362	4.136	0.032 0.109 0.760 0.072 0.002 0.024 11.000																	74.497																																	
G13	62.150	7.437	0.010 0.362 0.783 0.040 0.439 0.045 4.714																	75.980																																	
G14	38.607	11.727	0.151 0.913 0.468 0.004 18.228																	70.098																																	
G15	10.921	1.796	0.575 0.015 0.187 6.410																	19.904																																	
G16	5.847																		0.918	6.765																																	
G17	0.029																			0.073																																	
Mg Feed																				0.000																																	
Ungrade	0.074																			0.926																																	
Total Non Coking	506.823	45.649	0.312	0.000	0.000	6.512	0.100	6.754	0.585	9.555	0.683	0.158	1.045	0.080	0.025	68.603	646.884	0.192	0.000	647.076																																	
All India	528.945	45.786	5.337	3.538	0.000	6.512	0.100	6.754	1.527	9.555	0.683	0.158	1.045	0.080	0.025	80.839	690.884	0.197	0.000	691.081																																	

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

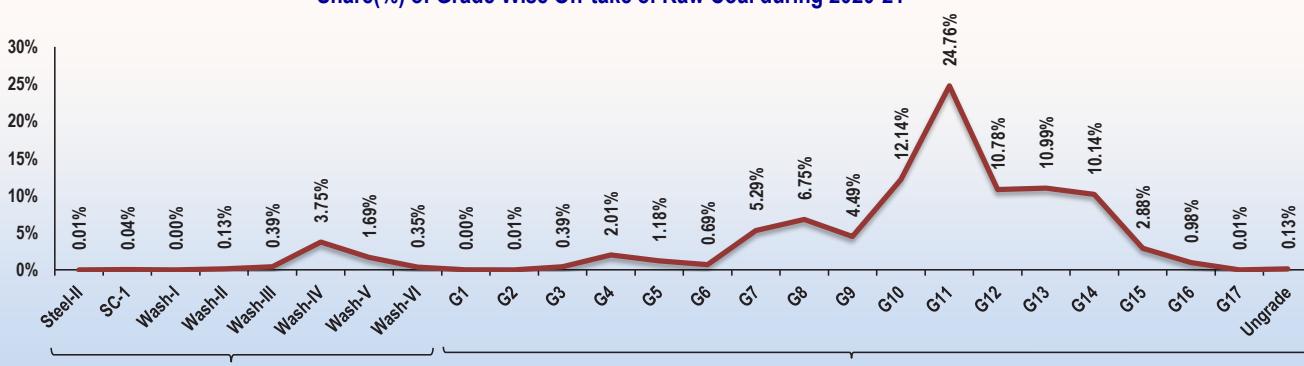


Table-4.22 : Company Wise & Sector Wise of Despatch/Off-take of Coking Coal (Raw Coal, Washed Coal & Middling) During 2020-21

(Qty. in MT)

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

(Qty. in MT)

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

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

(Qty. in MT)

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

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

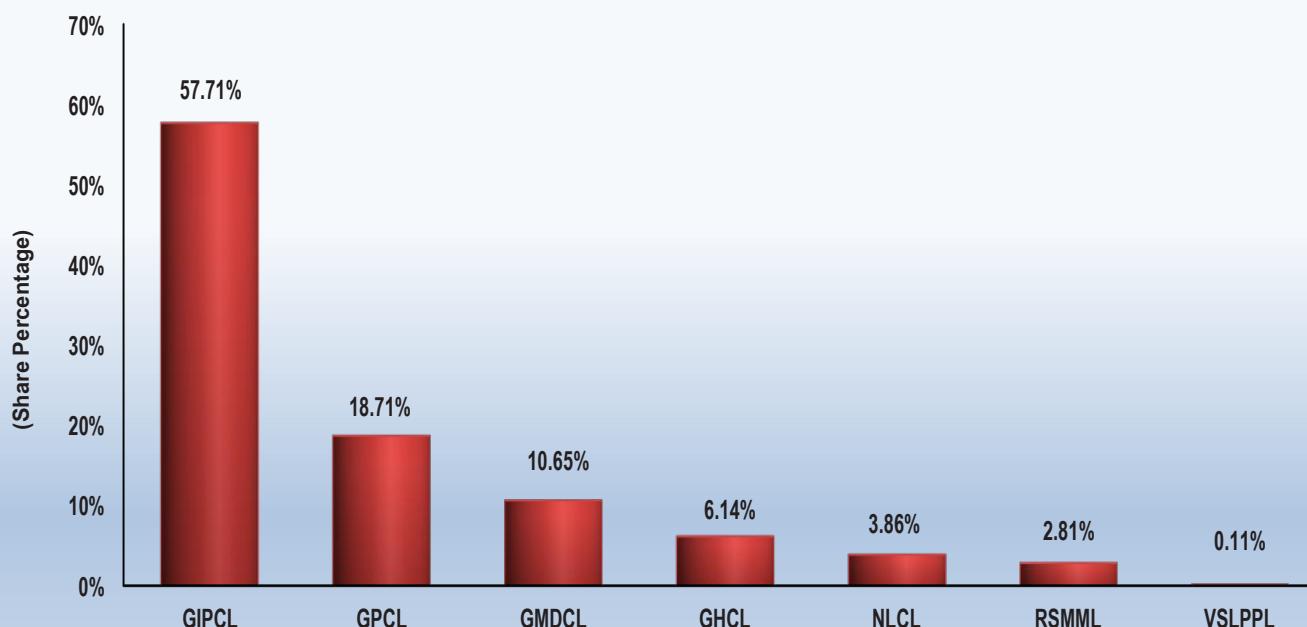


Table-4.25: State Wise Despatch/Off-take of Raw Coal, Washed Coal, Middlings & Lignite to Different State During 2020-21

(Qty. in MT)

COAL :

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

Contd.....

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

(Qty. in MT)

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

LIGNITE :

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

Table 4.26 : Availability and Off-take of Indian Raw Coal from Public & 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			
	Op.St.	Prdn.	Total	Desp.	Coll. Con.	Total		Op.St.	Prdn.	Total	Desp.	Coll. Con.	Total		Op.St.	Prdn.	Total	Desp.	Coll. Con.	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
2011-12	71.569	490.755	562.324	486.900	0.581	487.481	72.628	0.623	49.195	49.818	48.399	0.001	48.400	1.412	72.192	539.950	612.142	535.299	0.621	535.920	74.040
2012-13	72.628	509.240	581.868	520.326	0.466	520.792	61.347	1.412	47.162	48.574	46.810	0.002	46.812	1.702	74.040	556.402	630.442	567.136	0.468	567.604	63.049
2013-14	61.347	528.080	589.427	533.951	0.424	534.375	54.534	1.702	37.685	39.387	38.109	0.001	38.110	0.980	63.049	565.765	628.814	572.060	0.425	572.485	55.514
2014-15	54.534	567.032	621.566	543.648	0.575	544.223	59.101	0.980	42.147	43.127	27.087	0.001	27.088	0.288	55.514	609.179	664.693	570.735	0.576	571.311	59.389
2015-16	59.101	606.677	665.778	600.306	0.335	600.641	64.776	0.288	32.553	32.841	32.136	0.001	32.137	0.585	59.389	639.230	698.619	632.442	0.336	632.778	65.361
2016-17	64.776	625.196	689.972	613.398	0.289	613.687	75.278	0.585	32.672	33.257	32.580	0.000	32.580	0.674	65.361	657.868	723.229	645.978	0.289	646.267	75.952
2017-18	75.278	641.774	717.052	656.706	0.243	656.949	61.031	0.674	33.626	34.300	33.297	0.000	33.297	1.005	75.952	675.400	751.352	690.003	0.243	690.246	62.036
2018-19	61.031	694.983	756.014	698.919	0.220	699.139	56.776	1.005	33.735	34.740	33.875	0.000	33.875	0.864	62.036	728.718	790.754	732.794	0.220	733.014	57.640
2019-20	56.776	698.224	755.000	674.526	0.211	674.737	80.568	0.864	32.650	33.514	32.650	0.000	32.650	0.864	57.640	730.874	788.514	707.176	0.211	707.387	81.432
2020-21	80.568	685.950	766.518	661.145	0.197	661.342	107.804	0.864	30.133	30.997	29.739	0.000	29.739	1.256	81.432	716.083	797.515	690.884	0.197	691.081	109.060

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

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

(Quantity in Million Tonnes)

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

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



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

(Qty. in MT)

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

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

(Qty. in MT)

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

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

(Qty. in MT)

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

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

(Qty. in MT)

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

5

Pit-head Closing Stock



Section V

5.1 Pit-Head Closing Stock

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

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

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

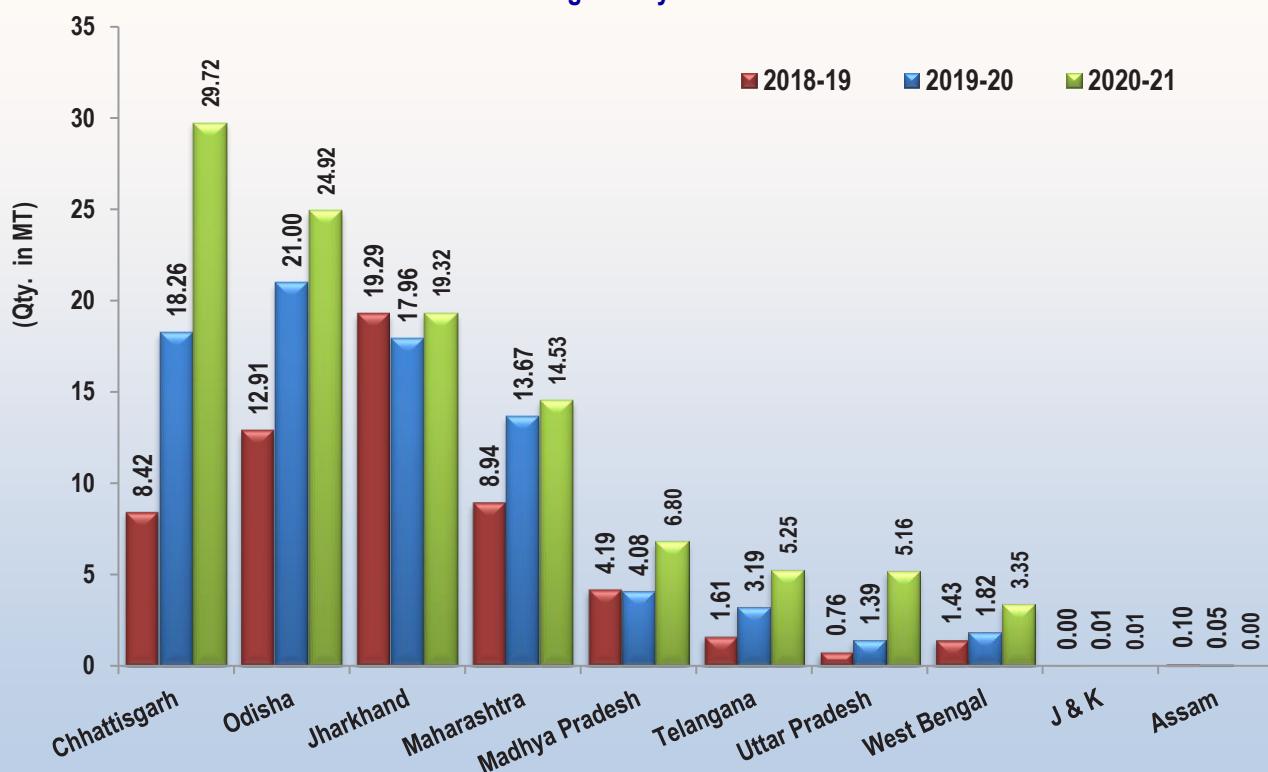
Statement 5.2 Pit-Head Closing Stock (MT) of Coal and Lignite in India in the last ten years.		
Year	Pit Head Closing Stock (MT)	
	Raw Coal	Lignite
2011-12	74.040	1.051
2012-13	63.049	1.493
2013-14	55.514	1.860
2014-15	59.389	3.176
2015-16	65.361	4.809
2016-17	76.889	6.883
2017-18	62.036	7.210
2018-19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

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

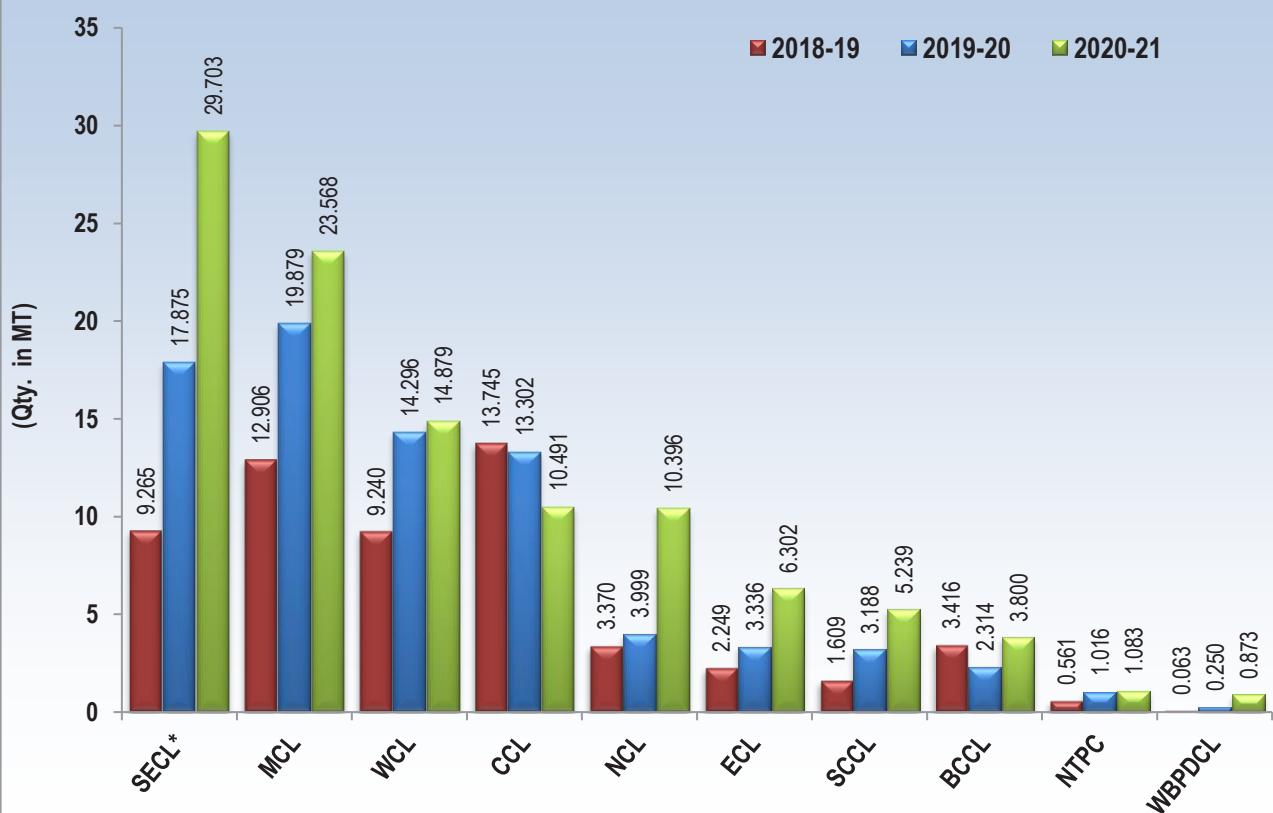
Statement 5.1.3 shows pit-head closing stock of coal by companies for 2019-20 and 2020-21.

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

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



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



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

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

(Qty. in MT)

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

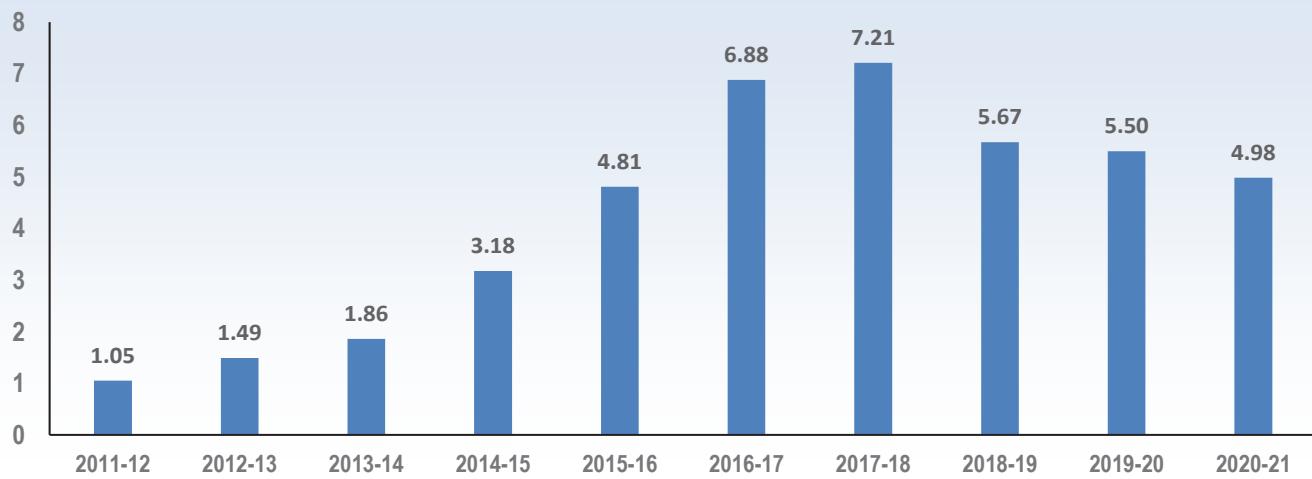
Trend of Pit-Head Closing Stock of Raw Coal in Last Ten Years**Trend of Pit-Head Closing Stock of Lignite in Last Ten Years**

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

(Qty. in MT)

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

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



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



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

(Qty. in MT)

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

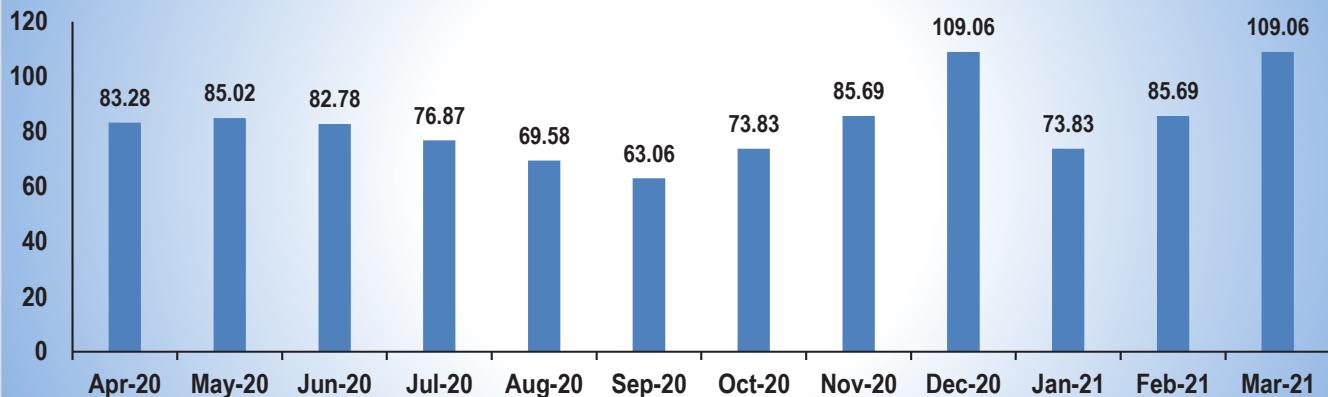
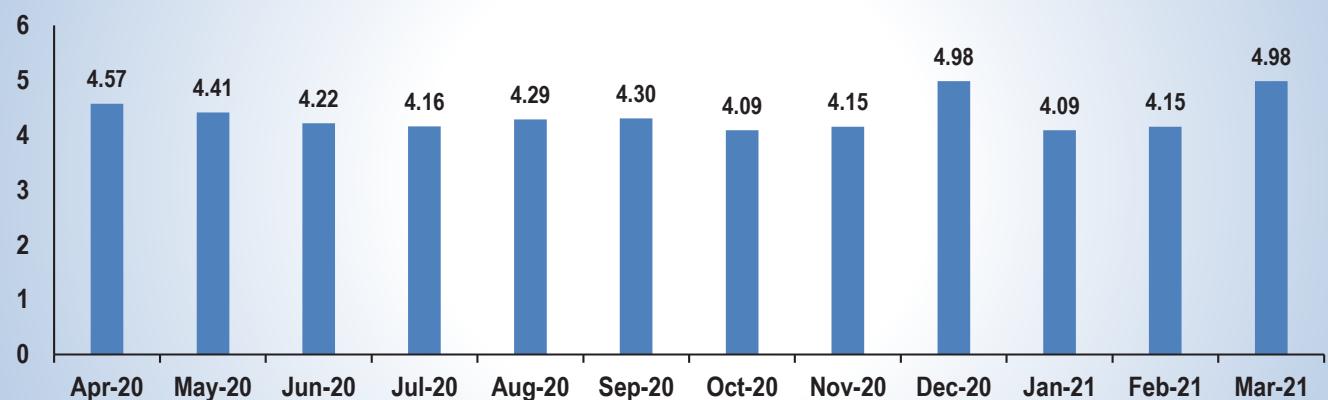
Month Wise Pit-Head Closing Stock of Raw Coal in 2020-21**Month Wise Pit-Head Closing Stock of Lignite in 2020-21**

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

(Qty. in MT)

Year	Arunachal Pradesh			Assam			Chhattisgarh		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	0.004	0.01	-96.15	0.095	0.13	-67.58	8.732	11.79	-10.27
2012-13	0.022	0.03	450.00	0.082	0.13	-13.68	5.639	8.94	-35.42
2013-14	0	0.0	0.0	0.169	0.30	106.10	7.186	12.94	27.43
2014-15	0			0.215	0.36	27.22	11.576	19.49	61.09
2015-16	0			0.359	0.55	66.98	9.444	14.45	-18.42
2016-17	0			0.183	0.24	-49.03	12.147	15.80	28.62
2017-18	0			0.069	0.11	-62.30	7.359	11.86	-39.42
2018-19	0			0.100	0.17	44.93	8.424	14.61	14.47
2019-20	0			0.054	0.07	-46.00	18.264	22.43	116.81
2020-21	0			0.000	0.00	-100.00	29.723	27.25	62.74
Year	Jammu & Kashmir			Jharkhand			Madhya Pradesh		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2011-12	0.003	0.00	-25.00	24.684	33.34	-9.01	6.265	8.46	42.68
2012-13	0.005	0.01	66.67	17.796	28.23	-27.90	7.318	11.61	16.81
2013-14	0.013	0.02	160.00	13.987	25.20	-21.40	5.756	10.37	-21.34
2014-15	0.013	0.02	0.00	15.544	26.17	11.13	4.111	6.92	-28.58
2015-16	0.013	0.02	0.00	18.355	28.08	18.08	6.854	10.49	66.72
2016-17	0.012	0.02	-7.69	24.002	31.22	30.77	8.609	11.20	25.61
2017-18	0.005	0.01	-58.33	20.645	33.28	-13.99	2.846	4.59	-66.94
2018-19	0.003	0.01	-40.00	19.286	33.46	-6.58	4.187	7.26	47.12
2019-20	0.007	0.01	133.33	17.959	22.05	-6.88	4.078	5.01	-2.60
2020-21	0.009	0.01	28.57	19.320	17.72	7.58	6.796	6.23	66.65
Year	Maharashtra			Odisha			Telangana		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2011-12	4.841	6.54	27.63	22.261	30.07	3.01	3.038	4.10	25.90
2012-13	5.656	8.97	16.84	18.175	28.83	-18.35	3.020	4.79	-0.59
2013-14	5.670	10.21	0.25	14.293	25.75	-21.36	5.548	9.99	83.71
2014-15	5.370	9.04	-5.29	12.538	21.11	-12.28	5.348	9.01	-3.60
2015-16	7.170	10.97	33.52	10.330	15.80	-17.61	7.025	10.75	31.36
2016-17	12.771	16.61	78.12	6.393	8.31	-38.11	7.481	9.73	6.49
2017-18	10.917	17.60	-14.52	11.178	18.02	74.85	4.921	7.93	-34.22
2018-19	8.939	15.51	-18.12	12.906	22.39	15.46	1.611	2.79	-67.26
2019-20	13.673	16.79	52.96	20.999	25.79	62.71	3.192	3.92	98.14
2020-21	14.533	13.33	6.29	24.922	22.85	18.68	5.247	4.81	64.38

Contd.....

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

(Qty. in MT)

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

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

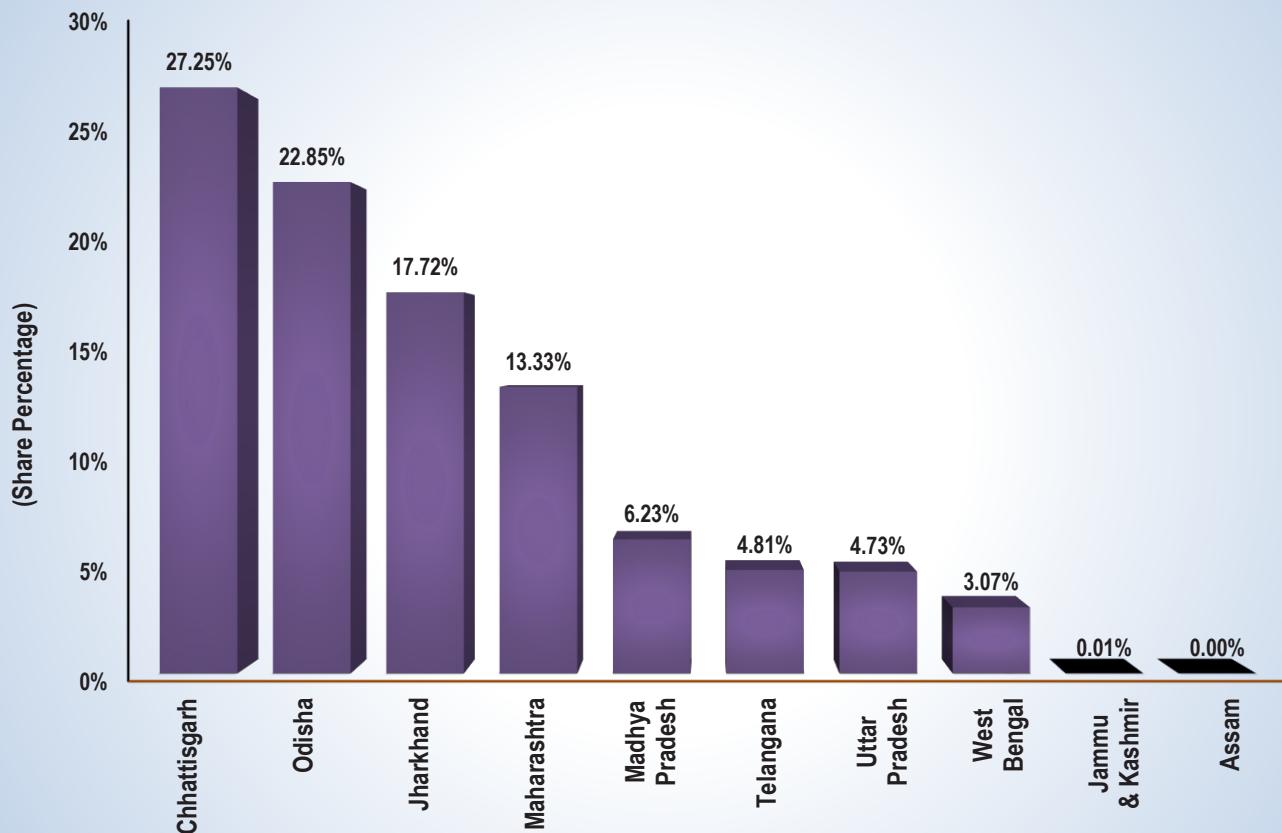


Table-5.5 : Share of Lignite of Pit-Head Closing Stock by States in Last Ten Years

(Qty. in MT)

Year	Tamil Nadu			Gujarat			Rajasthan		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	0.589	56.04	25.05	0.462	43.96	232.37			
2012-13	1.121	75.08	90.32	0.320	21.43	-30.74	0.052	3.48	0.00
2013-14	1.739	93.49	55.13	0.069	3.71	-78.44	0.052	2.80	0.00
2014-15	2.842	73.29	63.43	0.023	0.59	-66.67	1.013	26.12	1848.08
2015-16	4.573	95.09	60.91	0.011	0.23	-52.17	0.225	4.68	-77.79
2016-17	6.612	96.06	44.59	0.012	0.17	9.09	0.259	3.76	15.11
2017-18	6.784	94.09	2.60	0.014	0.19	16.67	0.412	5.71	59.07
2018-19	5.319	93.78	-21.59	0.025	0.44	78.57	0.328	5.78	-20.39
2019-20	5.059	92.07	-4.89	0.028	0.51	12.00	0.408	7.42	24.39
2020-21	4.571	91.77	-9.65	0.103	2.07	267.86	0.307	6.16	-24.75
Year									All India
(11)									Quantity
(11)									(12)
2011-12									1.051
2012-13									1.493
2013-14									1.860
2014-15									3.878
2015-16									4.809
2016-17									6.883
2017-18									7.210
2018-19									5.672
2019-20									5.495
2020-21									4.981
Year									Growth (%)
(11)									(13)
2011-12									72.30
2012-13									42.06
2013-14									24.58
2014-15									108.49
2015-16									24.01
2016-17									43.13
2017-18									4.75
2018-19									-21.33
2019-20									-3.12
2020-21									-9.35

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

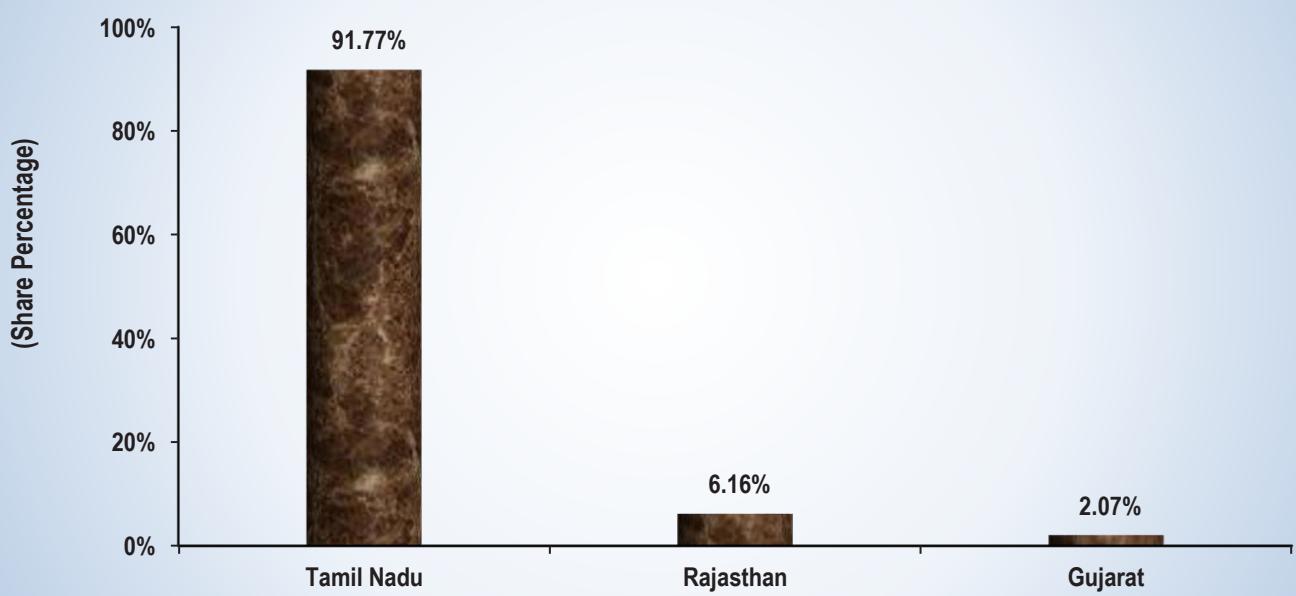


Table-5.6 : Trend of Pit-Head Closing Stock of Raw Coal and Lignite by Companies in Last Three Years

(Qty. in MT)

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

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

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

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

(Qty. in MT)

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

6

Pit-head Value & Price



Section VI

Pit-head Value and Price

6.1 Pit-head Value

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

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

Statement 6.2: State Wise Production (MT) and Value (Million Rs.) of Lignite during 2020-21

State	Production	Value
Gujarat	10.813	19216.8
Tamilnadu	18.026	36700.3
Rajasthan	9.056	15350.5
All India	37.895	71267.6

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 2020-21 are given in Table 6.3 and 6.4.

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

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

(Qty. in MT and Value in Million Rupees)

States	2016-17		2017-18		2018-19		2019-20		2020-21	
	Production	Value	Production	Value	Production	Value	Production	Value	Production	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
COAL :										
Assam	0.600	2231.9	0.781	4312.4	0.784	4312.4	0.517	1736.2	0.036	117.1
Chhattisgarh	138.525	104427.5	142.546	114808.0	161.893	134351.9	157.745	139234.0	158.410	187286.1
Jammu & Kashmir	0.010	21.3	0.014	31.1	0.013	25.8	0.014	25.8	0.010	18.4
Jharkhand	126.435	200571.5	123.297	254292.4	134.666	271051.4	131.763	272123.7	119.295	250829.6
Maharashtra	40.559	64267.7	42.219	70892.8	49.818	80555.6	54.746	93946.4	47.435	88149.5
Meghalaya	2.308	8585.4	1.529	5687.7						
Madhya Pradesh	105.013	148372.8	112.127	174484.1	118.661	184713.4	125.726	195145.4	132.531	200715.7
Odisha	139.359	103882.9	143.328	130037.0	144.312	119110.9	143.016	146624.3	154.151	122400.0
Telangana	61.336	110294.2	62.010	119131.3	65.160	174938.4	65.703	151074.6	52.603	124663.3
Uttar Pradesh	16.056	19731.1	18.309	23827.2	20.275	26852.2	18.030	25063.5	17.016	23955.4
West Bengal	27.667	72246.3	29.240	78220.9	33.136	105237.4	33.614	85069.8	34.596	78563.6
All India	657.868	834632.6	675.400	975724.7	728.718	1101149.5	730.874	1110043.7	716.083	1076698.8

LIGNITE :

Gujarat	10.546	13628.1	13.781	17808.6	12.565	11092.0	10.357	9142.9	10.813	19216.8
Tamilnadu	26.204	51991.8	23.569	47666.8	23.041	42903.8	23.516	43788.3	18.026	36700.3
Rajasthan	8.480	9815.1	9.294	13941.4	8.676	14499.2	8.223	13742.2	9.056	15350.5
All India	45.230	75435.0	46.644	79416.7	44.282	68495.0	42.096	66673.3	37.895	71267.6

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

(Qty. in MT and Value in Million Rupees)

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

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

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

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

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

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

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

Companies	Period	Grade of Coal								
		SI	SII	WI	WII	WIII	WIV	SCI	SCII	Direct Feed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ECL (Unspecified)	01-04-2014 to 31-03-2015	3110	2590	1910	1780					
ECL (Unspecified)	01-04-2015 to 31-03-2016		2590	1910	1780					
ECL (Unspecified)	01-04-2016 to 31-03-2017		2590	1910	1780					
ECL (Unspecified)	01-04-2017 to 31-03-2018		2590	1910	1780					
ECL (Unspecified)	01-04-2018 to 31-03-2019		2590	1910	1780					
ECL (Unspecified)	01-04-2019 to 31-03-2020		2590	1910	1780					
ECL (Unspecified)	01-04-2020 to 31-03-2021		2590	1910	1780					
ECL (Raniganj)	01-04-2014 to 31-03-2015	2800	2330							
ECL (Raniganj)	01-04-2015 to 31-03-2016		2330							
ECL (Raniganj)	01-04-2016 to 31-03-2017		2330							
ECL (Raniganj)	01-04-2017 to 31-03-2018		2330							
ECL (Raniganj)	01-04-2018 to 31-03-2019		2330							
ECL (Raniganj)	01-04-2019 to 31-03-2020		2330							
ECL (Raniganj)	01-04-2020 to 31-03-2021		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		2180	1610	1500					
BCCL	01-04-2016 to 12-01-2017	2630	2180	1610	1500					
BCCL	13-01-2017 to 31-03-2017		5028	3840	3060	2892				
BCCL	01-04-2017 to 28-03-2018		5028	3840	3060	2892				
BCCL	29-03-2018 to 31-03-2018	5860	5635	5028	3840	3060	2892			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
CCL	01-04-2014 to 31-03-2015	2550	2110	1560	1460					
CCL	01-04-2015 to 31-03-2016		2110	1560	1460					
CCL	01-04-2016 to 13-01-2017		2110	1560	1460					
CCL	14-01-2017 to 31-03-2017	4880	4080	3450	3210	2750	2300			
CCL	01-04-2017 to 31-03-2018	4880	4080	3450	3210	2750	2300			
CCL	01-04-2018 to 31-03-2019	4880	4080	3450	3210	2750	2300			
CCL	01-04-2019 to 31-03-2020	4880	4080	3450	3210	2750	2300			
CCL	01-04-2020 to 31-03-2021	4880	4080	3450	3210	2750	2300			
WCL	01-04-2014 to 31-03-2015	2220	1830	1680						
WCL	01-04-2015 to 31-03-2016		1830	1680						
WCL	01-04-2016 to 31-03-2017		1830	1680						
WCL	01-04-2017 to 31-03-2018		1830	1680						
WCL	01-04-2018 to 31-03-2019		1830	1680						
WCL	01-04-2019 to 31-03-2020		1830	1680						
WCL	01-04-2020 to 31-03-2021		1830	1680						
SECL	01-04-2014 to 31-03-2015	2260	1890							
SECL	01-04-2015 to 31-03-2016		1890							
SECL	01-04-2016 to 31-03-2017		1890							
SECL	01-04-2017 to 31-03-2018		1890							
SECL	01-04-2018 to 31-03-2019		1890							
SECL	01-04-2019 to 31-03-2020		1890							
SECL	01-04-2020 to 31-03-2021		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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
G 1	Exceeding 7000	*	*	*	*	*	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870	3450	3450	3288	3288	3288	3298
G 3	Exceeding 6400 and not exceeding 6700	3890	3890	3890	3890	3210	3210	3144	3144	3144	3154
G 4	Exceeding 6100 and not exceeding 6400	3490	3490	3490	3490	3000	3000	3000	3000	3000	3010
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2750	2750	2737	2737	2737	2747
G 6	Exceeding 5500 and not exceeding 5800	1600	1600	1600	1600	1900	1900	2317	2317	2317	2327
G 7	Exceeding 5200 and not exceeding 5500	1400	1400	1400	1400	1600	1600	1926	1926	1926	1936
G 8	Exceeding 4900 and not exceeding 5200	1250	1250	1250	1250	1420	1420	1465	1465	1465	1475
G 9	Exceeding 4600 and not exceeding 4900	970	970	970	970	1100	1100	1140	1140	1140	1150
G 10	Exceeding 4300 and not exceeding 4600	860	860	860	860	980	980	1024	1024	1024	1034
G 11	Exceeding 4000 and not exceeding 4300	700	700	700	700	810	810	955	955	955	965
G 12	Exceeding 3700 and not exceeding 4000	660	660	660	660	760	760	886	886	886	896
G 13	Exceeding 3400 and not exceeding 3700	610	610	610	610	720	720	817	817	817	827
G 14	Exceeding 3100 and not exceeding 3400	550	550	550	550	650	650	748	748	748	758
G 15	Exceeding 2800 and not exceeding 3100	510	510	510	510	600	600	590	590	590	600
G 16	Exceeding 2500 and not exceeding 2800	450	450	450	450	530	530	504	504	504	514
G 17	Exceeding 2200 and not exceeding 2500	400	400	400	400	470	470	447	447	447	457

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

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

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

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

(Excluding WCL)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Source : Information provided by SCCL

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

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

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

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

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

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

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

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

7

Import & Export



Section VII

7.1: Import & Export

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

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

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

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

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

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

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

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

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

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

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

Statement 7.4 Source Country-Wise Import of Non-Coking Coal to India during 2020-21		
Country	Quantity [MT]	Share
Indonesia	91.137	55.56%
South Africa	31.093	18.95%
Australia	18.008	10.98%
U S A	8.309	5.06%
Russia	5.421	3.30%
Colombia	2.350	1.43%
Mozambique	1.900	1.16%
Others	5.835	3.56%
Total	164.053	100.00%

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

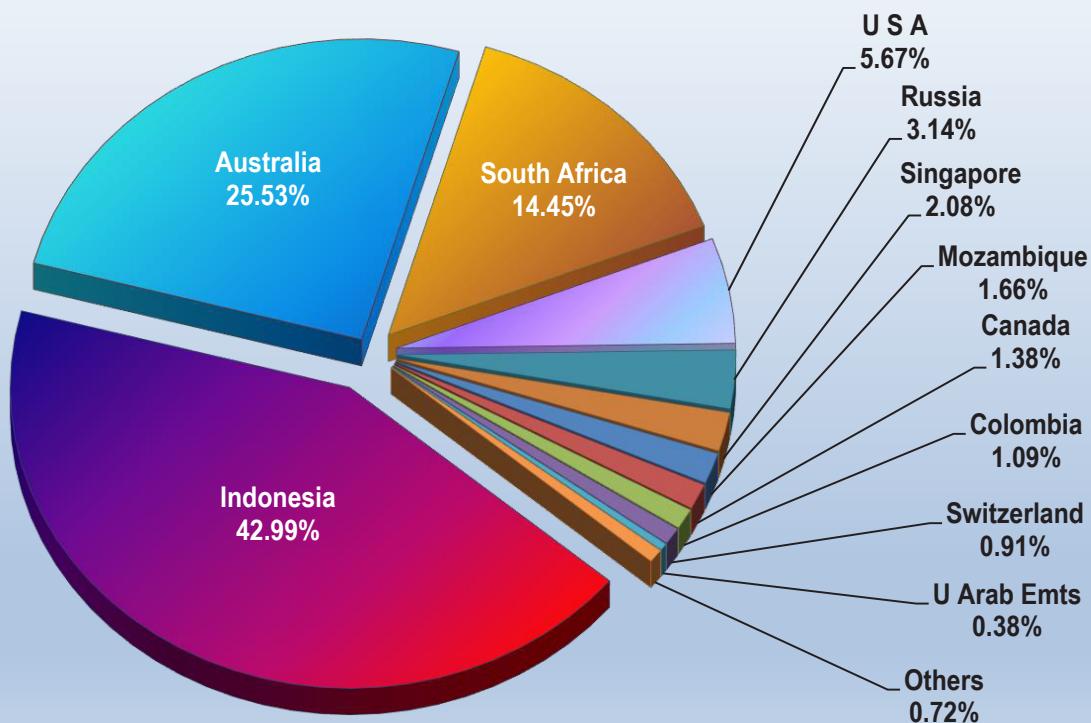
7.1.7 Export of Coal: Although, there is short supply of coal in India compared to its demand and it has to resort to import of coal, India does export some quantity of coal to its neighbouring countries. In 2020-21 the export of coal was 2.945 MT (statement 7.6) and mainly exported to Bangladesh and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

Statement 7.6: Export of Coal from India by destination countries during 2020-21		
Country	Quantity [MT]	Share
Nepal	2.201	74.74%
Bangladesh	0.665	22.58%
Bhutan	0.048	1.63%
Others	0.031	1.05%
Total	2.945	100.00%

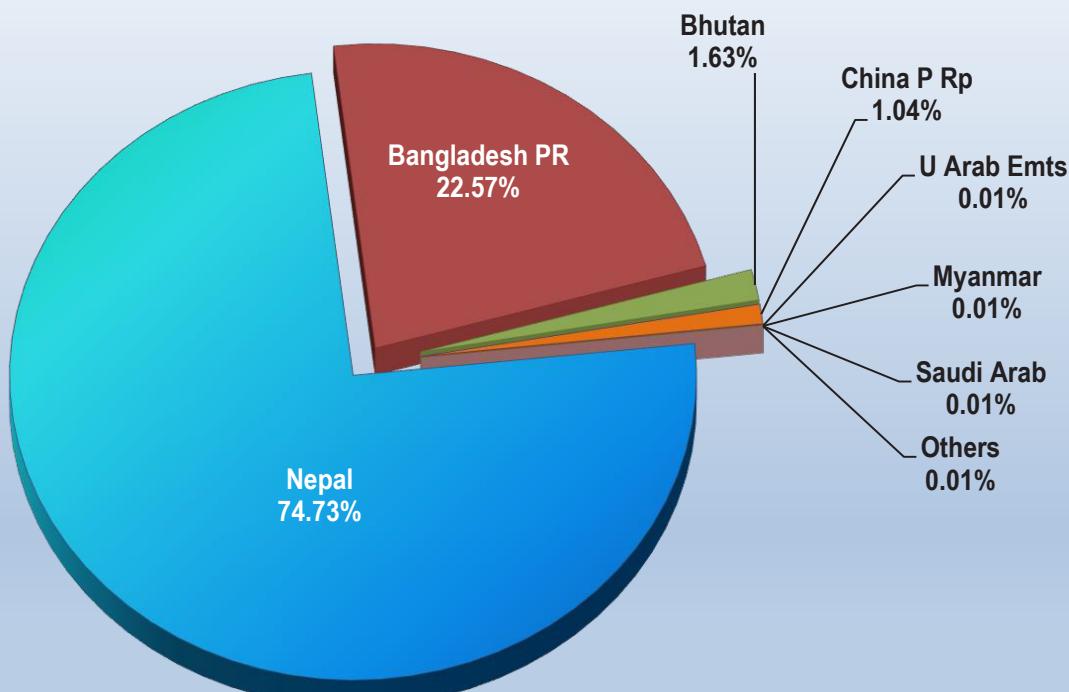
Statement 7.5: Demand, Production and Import of Coal in India in last five years [MT]			
Year	Demand *	Production	Import
2016-17	884.870	657.868	190.953
2017-18	908.400	675.400	208.249
2018-19	991.350	728.718	235.348
2019-20	1000.00	730.874	248.537
2020-21	1052.00	716.083	215.251

* Source: Annual Plan, MOC

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



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



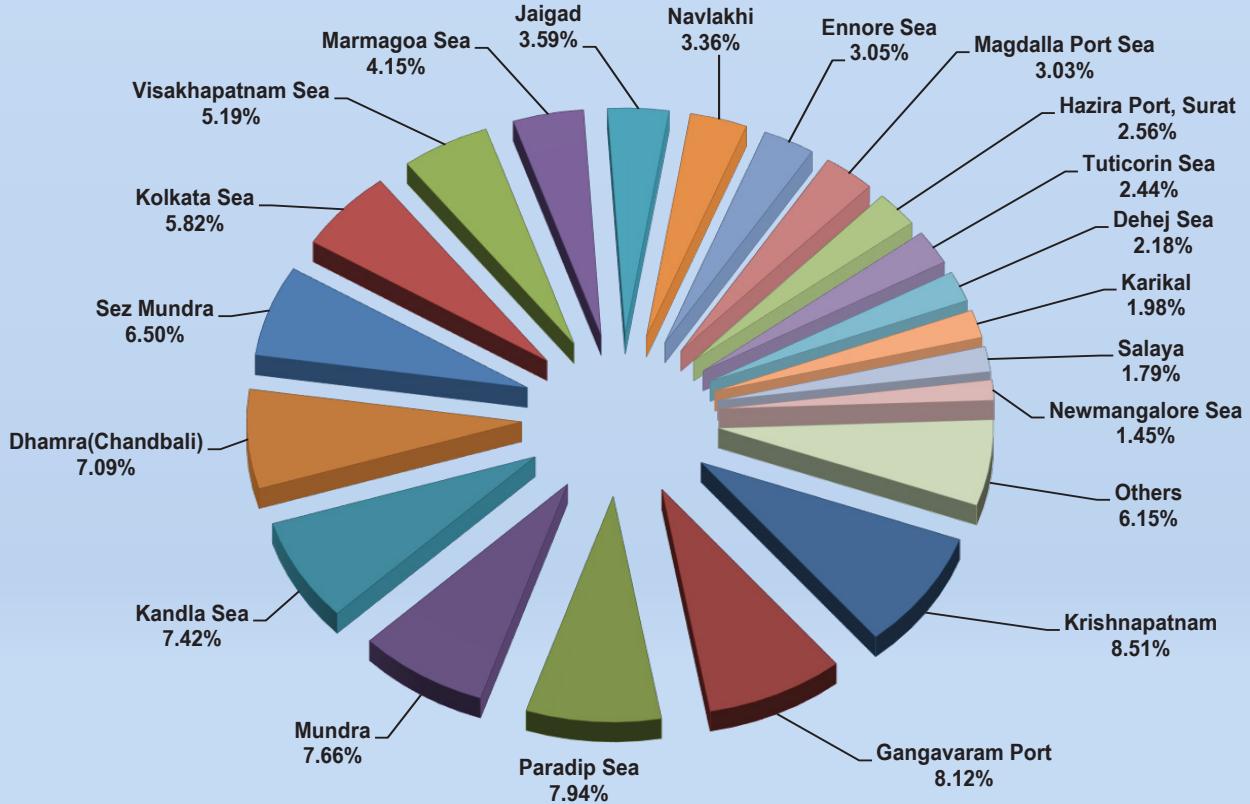
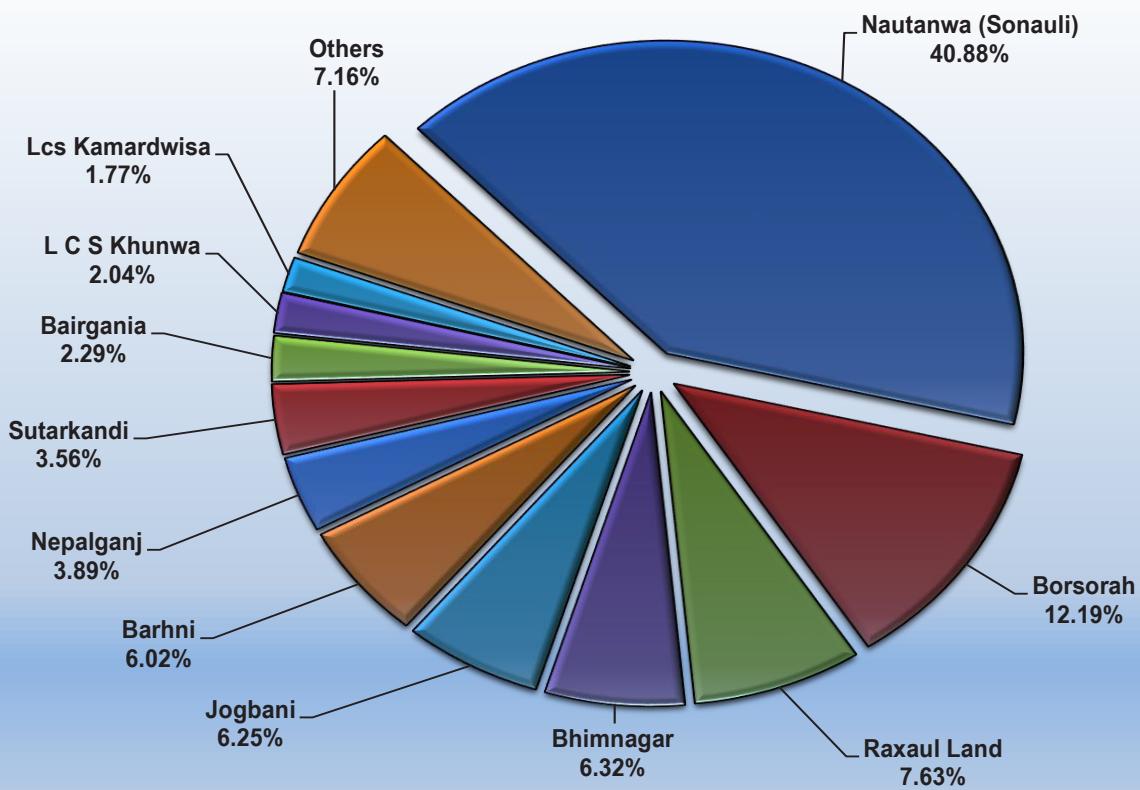
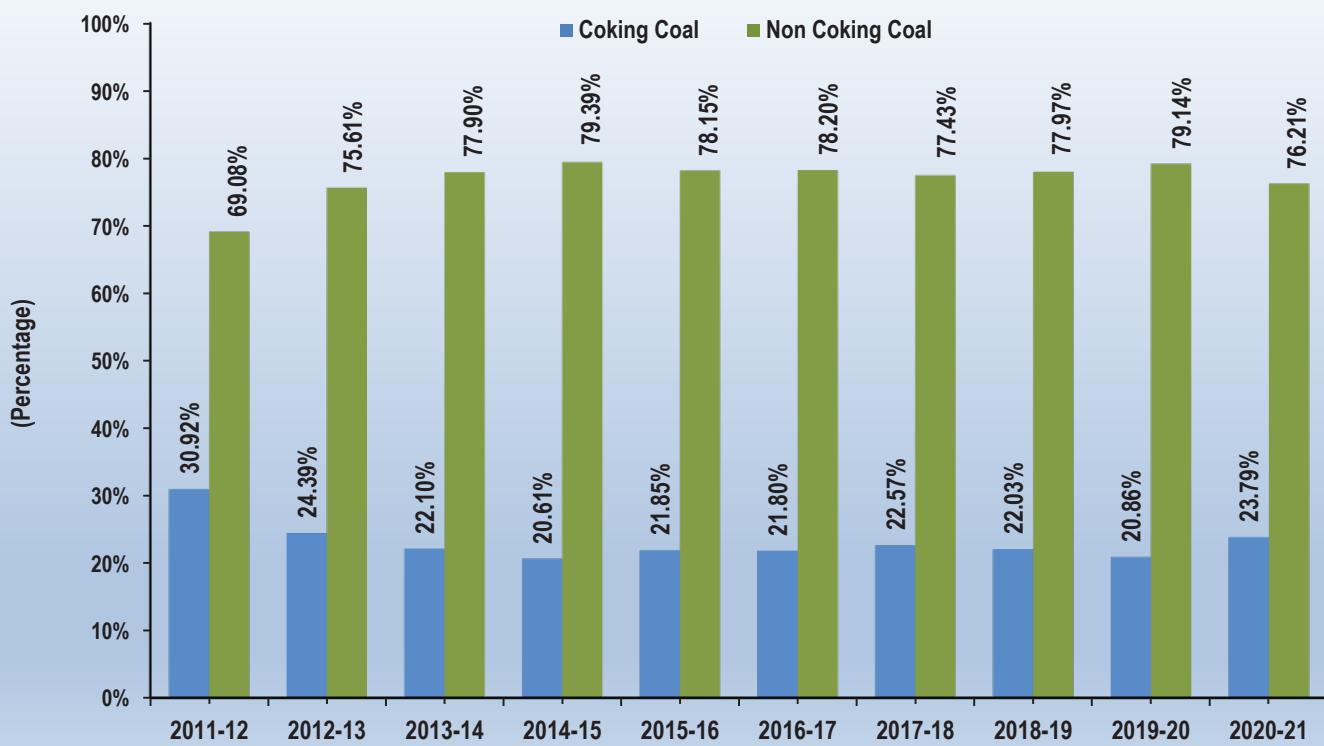
Ch.7.3 : Share of Port Wise Import of Coal in 2020-21**Ch.7.4 : Share of Port Wise Export of Coal in 2020-21**

Table 7.1 : Year Wise Import of Coal, Coke & Others Coal Products & Lignite to India during Last Ten Years

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

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

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

Source: DGCI & S

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

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

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



Source: DGCI & S

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

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

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

Source: DGCI & S

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

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

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

Source: DGCI & S

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

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

Port	Coking Coal			Non Coking Coal			Total Coal			Coke & Others Coal Products			Lignite		
	Quantity	Value Rs.	Value (\$)	Quantity	Value Rs.	Value (\$)	Quantity	Value Rs.	Value (\$)	Quantity	Value Rs.	Value (\$)	Quantity	Value Rs.	Value (\$)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Agartala				0.01761	155.10	2.08	0.01761	155.10	2.08						
Appiic Multi Prod Sez Vizag Dc				0.23400	924.39	12.50	0.23400	924.39	12.50	0.04709	788.61	10.61			
Bangalore Airport		0.15	0.00				0.00000	0.15	0.00		0.03	0.00			
Bedi Sea	0.04700	458.31	6.27	0.23450	975.24	13.27	0.28150	1433.55	19.54						
Bhavnagar				1.41682	5036.22	67.94	1.41682	5036.22	67.94						
Chennai Air				0.00000	0.02	0.00	0.00000	0.02	0.00						
Chennai Sea	0.00058	17.55	0.24	0.00997	286.40	3.82	0.01055	303.95	4.06	0.00293	83.05	1.12	0.00993	163.86	2.23
Cochin Sea				0.00018	6.58	0.09	0.00018	6.58	0.09						
Concor Icd Naya Raipur				0.00031	8.78	0.12	0.00031	8.78	0.12						
Concor Icd/Mmlp Khapri Nagpur				0.00218	71.62	0.96	0.00218	71.62	0.96						
Dehej Sea				4.69082	17226.70	233.01	4.69082	17226.70	233.01						
Delhi (Icd)							0.00000	0.00	0.00	0.00239	71.08	0.98			
Delhi Air				0.00001	0.77	0.01	0.00001	0.77	0.01		0.23	0.00			
Dhahanu Sea				0.41135	1695.58	22.93	0.41135	1695.58	22.93						
Dhamra(Chandbalii)	8.27320	73803.69	996.41	6.99502	40236.70	543.45	15.26822	114040.39	1539.86						
Dharmatar Sea				2.56913	9749.42	131.54	2.56913	9749.42	131.54						
Ennore Sea	0.85935	7696.99	104.63	5.70395	21392.52	289.34	6.56330	29089.51	393.97				0.00132	21.19	0.28
Gangavaram Port	4.48199	38293.81	518.35	12.99593	60310.79	814.82	17.47793	98604.60	1333.16						
Gopalpur Port	0.24331	1651.00	22.39	0.48350	2201.80	29.88	0.72680	3852.80	52.27	0.03257	579.99	7.88			
Hazira Port, Surat				5.50349	17166.69	231.81	5.50349	17166.69	231.81						
Htpl Kilaraipur Icd				0.00022	5.03	0.07	0.00022	5.03	0.07						
Hyderabad Airport	0.00000	0.08	0.00	0.00000	0.01	0.00	0.00000	0.08	0.00						
Icd Bhusawal							0.00000	0.00	0.00	0.00136	23.42	0.31			
Icd Chowpaly				0.00010	1.62	0.02	0.00010	1.62	0.02						
Icd Concor Jharsuguda				0.00025	2.93	0.04	0.00025	2.93	0.04						
Icd Dhandari Kalan, Pswc				0.00016	4.43	0.06	0.00016	4.43	0.06						
Icd Durgapur, Wb				0.00028	3.28	0.04	0.00028	3.28	0.04	0.00081	12.79	0.18			
Icd Jajpur				0.00748	89.18	1.21	0.00748	89.18	1.21						
Icd Ludhiana				0.00009	2.35	0.03	0.00009	2.35	0.03						
Icd Rewari							0.00000	0.00	0.00	0.00003	0.63	0.01			
Icd Sahnewal, Grfl				0.00049	11.09	0.15	0.00049	11.09	0.15						
Icd Tuticorin				0.00006	2.33	0.03	0.00006	2.33	0.03						
Jabilant Infra Lt Kandla				0.00300	8.26	0.11	0.00300	8.26	0.11						
Jaigad	3.98603	35064.35	473.52	3.74178	18308.73	247.14	7.72781	53373.08	720.66						
Jakhav				0.52727	2403.35	32.50	0.52727	2403.35	32.50						
Kakinada Sea	0.27671	2069.42	28.31	0.83323	3314.17	44.72	1.10994	5383.58	73.04						
Kandla Sea	0.84221	7729.24	104.80	15.13140	69024.95	931.63	15.97361	76754.20	1036.43	0.00514	118.33	1.60			
Karikal	0.38677	3303.02	44.36	3.88576	15554.25	210.13	4.27253	18857.28	254.49						
Kattupalli Port/ Tiruvallur							0.00000	0.00	0.00				0.00051	7.38	0.10
Kodinar Sea				0.38124	1703.58	23.33	0.38124	1703.58	23.33						
Kolkata Air		0.34	0.00	0.00011	1.13	0.02	0.00011	1.47	0.02		0.00	0.00			
Kolkata Sea	7.06796	63794.89	862.48	5.46479	28101.81	379.86	12.53275	91896.70	1242.33	0.37697	6407.66	86.71	0.00273	44.17	0.59
Krishnapatnam	3.28299	26285.34	355.56	15.04027	60096.89	809.31	18.32326	86382.23	1164.87	0.12064	2280.19	30.94			
Lcs Mahurighat				0.00589	50.51	0.69	0.00589	50.51	0.69						
Magdalla Port Sea				6.52590	28239.48	382.58	6.52590	28239.48	382.58	1.07029	20318.99	274.45			
Marmagoa Sea	5.83726	50753.24	683.12	3.10374	17389.28	234.66	8.94100	68142.52	917.78						
Mumbai Air	0.00001	0.36	0.00	0.00007	1.74	0.02	0.00008	2.09	0.03		0.09	0.00		0.01	0.00
Mumbai Sea				1.70459	7896.94	106.57	1.70459	7896.94	106.57						
Mundra	0.54890	5515.92	74.55	15.94719	72192.50	972.49	16.49608	77084.42	1047.04	0.00063	10.35	0.14			
Navlakhi				7.23729	22792.27	308.54	7.23729	22792.27	308.54						
Newmangalore Sea	0.03992	409.02	5.62	3.08594	14137.02	190.57	3.12586	14546.04	196.19	0.15308	3253.00	43.77			
Nhava Sheva Sea				0.00424	134.85	1.83	0.00424	134.85	1.83	0.00909	164.61	2.22	0.00068	5.74	0.08
Okha	0.10697	928.58	12.61	0.77348	3536.00	47.77	0.88045	4464.58	60.39						
Paradip Sea	9.51412	86167.21	1163.41	7.57538	41329.15	557.32	17.08950	127496.37	1720.73	0.09633	1676.08	22.61			
Pari Infra Co Pvt Ltd				0.09000	224.36	3.02	0.09000	224.36	3.02						
Pipavab(Vicyor)	0.05077	476.80	6.54	1.02226	4734.43	64.12	1.07303	5211.23	70.66	0.09612	1536.02	20.86			
Porbandar				0.51581	2204.02	29.85	0.51581	2204.02	29.85						
Ranpar				0.11159	341.47	4.53	0.11159	341.47	4.53						
Revdanda				0.53432	2181.63	29.50	0.53432	2181.63	29.50						
Salaya				3.84291	13322.20	179.22	3.84291	13322.20	179.22						
Saraf Agencies Pvt Ltd				0.00330	45.86	0.60	0.00330	45.86	0.60						
Sez Dahej				0.00500	12.98	0.17	0.00500	12.98	0.17	0.00005	1.68	0.02			
Sez Jamnagar (Reliance)				0.29895	1198.02	16.29	0.29895	1198.02	16.29						
Sez Mundra				13.99543	57680.60	779.57	13.99543	57680.60	779.57						
Srimantapur				0.30736	74.73	1.01	0.30736	74.73	1.01						
Tuticorin Sea				5.25541	17496.31	235.24	5.25541	17496.31	235.24	0.00193	131.13	1.74	0.00225	141.86	1.92
Visakhapatnam Sea	5.35149	49132.79	662.80	5.82085	23387.37	315.29	11.17234	72520.17	978.08	0.43988	7230.64	97.48	0.00143	25.04	0.33
Unspecified							0.00000	0.00	0.00						
Total	51.19754	453552.10	6125.98	164.05357	706688.44	9539.41	215.25112	1160240.54	15665.39	2.45729	44688.59	603.62	0.01886	409.24	5.52

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

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

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

Source: DGCI & S

8

Washery Performance



Section VIII

Washery Performance

8.1 Washery Performance of Coal in India

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

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

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

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

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

8.2 Contribution of Coal Washerries

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

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

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

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

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

Table 8.2: Coking Coal Washery Performance in Last Three Years

(Qty. in MT)

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

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

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

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

Table 8.4: Performance of Non Coking Coal Washerries in India for Last Three Financial Years

(Qty. in MT)

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

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

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

9

Captive Mining Blocks



Section IX

Captive Coal Blocks & Lignite Block

Captive Coal & Lignite Blocks

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

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

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

2015] were allowed to produce coal up to 31.03.2015.

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

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

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

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

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

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

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

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

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

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

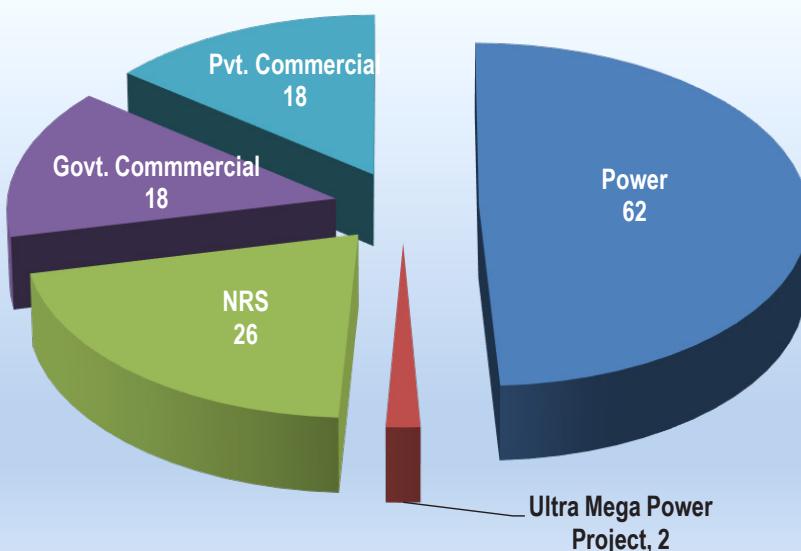


Table 9.3: State Wise and Sector Wise Allotment of Captive Coal Blocks that Stand Allocated/Vested including Blocks Allotted under MMDR Act upto 2020-21 (Except CIL as Custodian)

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

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

State Wise Number of Coal Blocks upto 2020-21

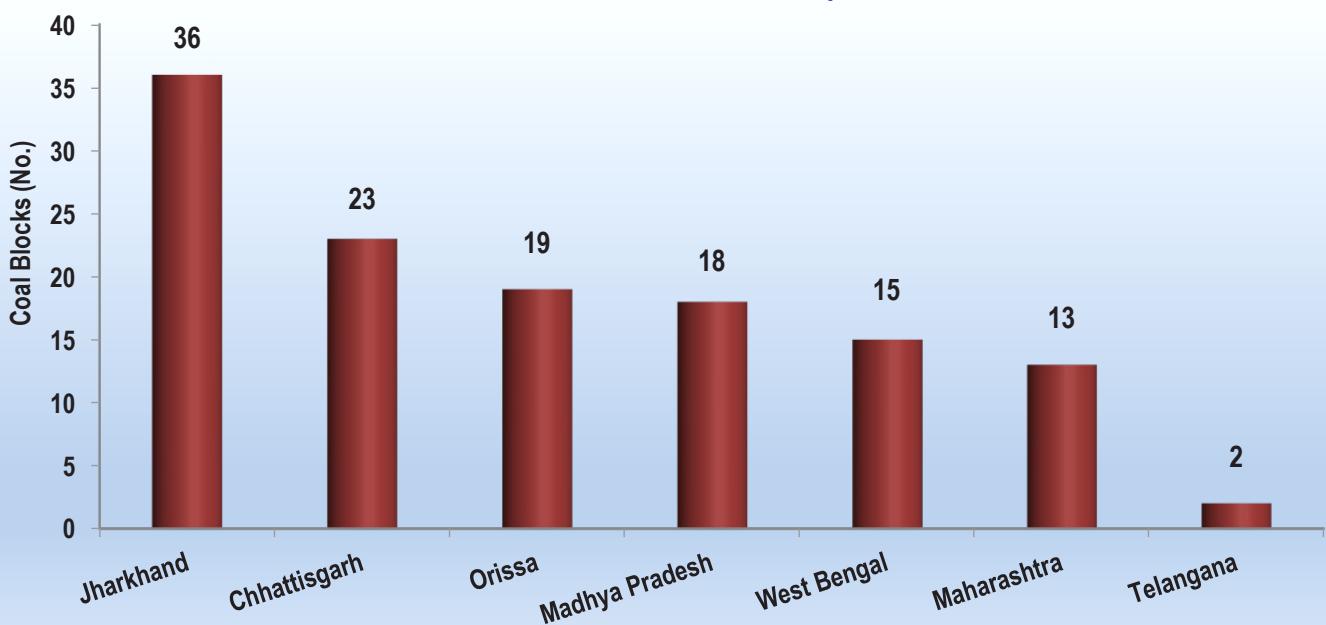


Table 9.4: Coal Production from Captive Blocks Since 1997-98, Projection for XIIth Five Year Plan and CCO Estimates

Year	Target / Achievement	Power		Iron & Steel		Govt. Comm		Private Comm & Cements		Total	
		No. of Coal Blocks	Production (Million Tonnes)	No. of Coal Blocks	Production (Million Tonnes)	No. of Coal Blocks	Production (Million Tonnes)	No. of Coal Blocks	Production (Million Tonnes)	No. of Coal Blocks	Production (Million Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1997-98	Achievement	2	0.71							2	0.71
1998-99		2	1.79	1	0.04					3	1.83
1999-00		2	2.17	1	0.78					3	2.95
2000-01		2	2.41	1	1.42					3	3.83
2001-02		2	2.91	1	1.55					3	4.46
2002-03		3	3.40	1	2.12					4	5.52
2003-04		4	5.36	1	2.47					5	7.83
2004-05		4	6.92	2	3.09			2	0.10	8	10.11
2005-06		5	7.58	2	5.76			2	0.28	9	13.62
2006-07		5	10.07	4	7.32			2	0.22	11	17.61

XIth Five Year Plan

2007-08	Target 1(BE)	13	13.90	4	8.05	1	0.20	2	0.33	20	22.48
	Achievement	7	12.83	5	8.01	1	0.08	2	0.33	15	21.25
2008-09	Target 1(BE)	20	22.53	14	11.21	3	1.65	3	0.33	40	35.72
	Achievement	14	21.25	8	8.39	1	0.14	2	0.24	25	30.01
2009-10	Target 1(BE)	30	24.90	37	19.04	6	2.85	2	0.30	75	47.09
	Achievement	14	25.74	11	9.48	1	0.25			26	35.46
2010-11	Target 1(BE)	33	35.80	41	31.20	8	5.70	2	0.30	84	73.00
	Target 2(RE)	15	25.50	9	9.64	1	0.20	2	0.30	27	35.64
	Achievement	15	24.36	10	9.27	1	0.30	2	0.30	28	34.22
2011-12	Target 1(BE)	42	54.28	41	41.30	8	8.20	2	0.30	93	104.08
	Target 2(RE)	18	27.30	16	10.35	2	0.30	2	0.30	38	38.25
	Achievement	15	25.82	11	9.83	1	0.22	2	0.30	29	36.17

XIIth Five Year Plan

2012-13	Target	17	26.80	17	11.10	3	1.00	2		39	38.90
	Achievement	19	25.59	13	10.72	2	0.42	2	0.30	36	37.04
2013-14	Target	20	28.25	21	12.16	4	0.57	3	0.30	48	41.28
	Achievement	22	26.81	13	11.64	3	0.73	2	0.30	40	39.49
2014-15	Target	25	37.87	14	12.69	3	1.01	4	0.30	46	51.87
	Achievement	22	37.93	13	11.95	3	2.54	2	0.30	40	52.72

Coal Production from Captive Blocks during 2015-16 to 2020-21 and Production Projection as per Mine Plan

Year	Target / Achievement	Power		NRS		Govt. Comm		Total		Production (Qty. in MT)
		No. of Coal Blocks	Production (Qty. in MT)	No. of Coal Blocks	Production (Qty. in MT)	No. of Coal Blocks	Production (Qty. in MT)	No. of Coal Blocks		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
2015-16	Target	6	22.70	5	3.27	2	2.00	13		27.97
	Achievement	6	25.67	4	3.15	2	2.28	12		31.10
2016-17	Target	12	33.50	11	7.60	2	5.00	25		46.10
	Achievement	7	27.38	6	5.16	2	4.90	15		37.43
2017-18	Target	8	43.54	9	7.80	3	12.25	20		63.59
	Achievement	7	31.16	7	5.72	3	4.42	17		41.30
2018-19	Target	11	50.35	9	5.20	3	11.25	23		66.80
	Achievement	11	45.63	11	4.28	3	4.95	25		54.85
2019-20	Target	17	52.88	10	5.83	3	17.00	30		75.71
	Achievement	16	54.89	10	2.98	3	3.42	29		61.30
2020-21	Target	21	82.54	10	9.99	3	11.25	34		103.78
	Achievement	21	62.31	10	0.83	3	3.20	34		66.35

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

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

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

COAL DIRECTORY OF INDIA 2020-21

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

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

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

Sl.No.	Block Allocated	No. of Blocks	State where the Block is Located	Extractable Reserve (Qty. in MT)	Date of Allotment	Mode of Allocation	Name of the party	Type of Company: PSU(S)/PSU(C)/Private	End-use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
39	Tokisud North	1	Jharkhand	51.97	22.09.2020	Allotted	NMDC Limited	PSU(C)	Commercial
40	Patal East	1	Jharkhand	200.00	29.09.2016	Allotted	Jharhand State Mineral Development Corp Ltd	PSU(S)	Commercial
41-42	Kotre Basantpur & Pachmo	2	Jharkhand	251.30	21.11.2019	Allotted	Central Coalfields Ltd	PSU(C)	Commercial
43	Sugia Closed Mine	1	Jharkhand	4.00	22.09.2020	Allotted	Jharhand State Mineral Development Corp Ltd	PSU(S)	Commercial
44	Rohne	1	Jharkhand	241.00	16.12.2019	Allotted	NMDC Limited	PSU(C)	Commercial
45	Rabodh	1	Jharkhand	450.00	16.12.2019	Allotted	Rashtriya Ispat Nigam Limited	PSU(C)	Commercial
46	Brahmadiha	1	Jharkhand	10.63	02.03.2021	Vested	Andhra Pradesh Mineral Development Corp Ltd	PSU(S)	Commercial
47	Chakla	1	Jharkhand	83.10	03.03.2021	Vested	Hindalco Industries Limited	PVT	Commercial
48	Gondulpura	1	Jharkhand	74.88	08.03.2021	Vested	Adani Enterprises Limited	PVT	Commercial
49	Rajhara North (Central & Eastern)	1	Jharkhand	17.09	03.03.2021	Vested	Fairmine Carbons Private Limited	PVT	Commercial
50	Urma Paharitola	1	Jharkhand	700.00	03.03.2021	Vested	Aurobindo Reality and Infrastructure Private Limited	PVT	Commercial
51	Amarkonda Murgadangal	1	Jharkhand	410.00	24.01.2019	Allotted	Eastern Coalfields Limited	PSU(C)	Commercial
Total Jharkhand Commercial		13		2493.97					
52	Kathautia	1	Jharkhand	21.47	23.03.2015	Vested	Hindalco Industries Limited	PVT	NRS
53-54	Brinda and Sasai	2	Jharkhand	25.40	22.04.2015	Vested	Usha Martin Limited (Tata Spong Iron Ltd from 04.04.2019)	PVT	NRS
55	Dumri	1	Jharkhand	46.14	22.04.2015	Vested	Hindalco Industries Limited	PVT	NRS
56	Lohari	1	Jharkhand	9.05	22.04.2015	Vested	Araanya Mines Private Limited	PVT	NRS
57	Meral	1	Jharkhand	12.67	22.04.2015	Vested	Trimula Industries Limited	PVT	NRS
58	Moitra	1	Jharkhand	29.91	22.04.2015	Vested	JSW Steel Limited	PVT	NRS
59	Tasra	1	Jharkhand	96.31	26.02.1996	Allotted	SAIL	PSU(C)	NRS
Total Jharkhand NRS		8		240.95					
60	Amelia	1	M. P.	393.60	17.01.2017	Allotted	THDC India Limited (JV of Govt. of India & Govt. of U.P.)	PSU(C)	Power
61	Amelia (North)	1	M. P.	51.98	23.03.2015	Vested	Jaiprakash Power Ventures Ltd.	PVT	Power
62	Gondbahera Ujjeni	1	M. P.	200.00	31.03.2015	Allotted	Madhya Pradesh Power Generating Co Ltd	PSU(S)	Power
63-64	Moher, Moher-Amlori Extn.	2	M. P.	351.81	13.09.2006	Allotted	Power Finance Corporation	PSU(C)	UMPP
Total Madhya Pradesh Power		5		997.39					
65	Sial Ghogri	1	M. P.	5.31	23.03.2015	Vested	Reliance Cement Company Pvt. Ltd.	PVT	NRS
66	Bicharpur	1	M. P.	29.12	23.03.2015	Vested	Ultra Tech Cement Ltd.	PVT	NRS
67	Bikram	1	M. P.	20.97	10.02.2020	Vested	Birla Corporation Limited	PVT	NRS
68	Brahampuri	1	M. P.	37.00	10.02.2020	Vested	Birla Corporation Limited	PVT	NRS
Total Madhya Pradesh NRS		4		92.40					
69	Suliayari	1	M. P.	141.00	29.09.2016	Allotted	The Andhra Pradesh Mineral Development Corporation Ltd.	PSU(S)	Commercial
70-71	Gotitoria (East) & Gototoria (West)	2	M. P.	9.34	2021	Vested	Boulder Stone Mart Private Limited	PVT	Commercial
72	Sahapur West	1	M. P.	42.00	03.03.2021	Vested	Sarda Energy and Minerals Limited	PVT	Commercial
73	Sahapur East	1	M. P.	63.63	03.03.2021	Vested	Chowgule and Company Private Limited	PVT	Commercial
74	Urtan North	1	M. P.	69.82	03.03.2021	Vested	JMS Mining Private Limited	PVT	Commercial
75	Bandha	1	M. P.		03.03.2021	Allotted	EMIL Mines and Mineral Resources Limited	PVT	Commercial
76	Dhirauli	1	M. P.		03.03.2021	Allotted	Startech Mineral Resources Pvt. Ltd.	PVT	Commercial
77	Urtan	1	M. P.		03.03.2021	Allotted	JMS Mining Private Limited	PVT	Commercial
Total Madhya Pradesh Commercial		9		325.79					
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Table 9.6: State Wise List of Captive & Commercial Coal Blocks that Stand Vested/Allocated upto 2020-21 (Except CIL as Custodian)

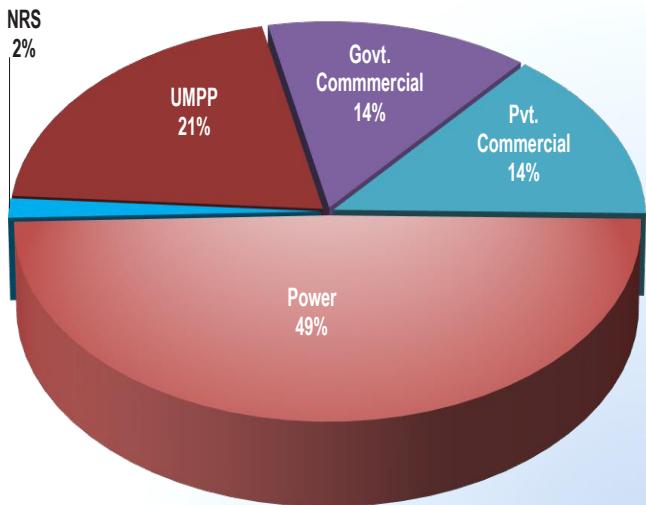
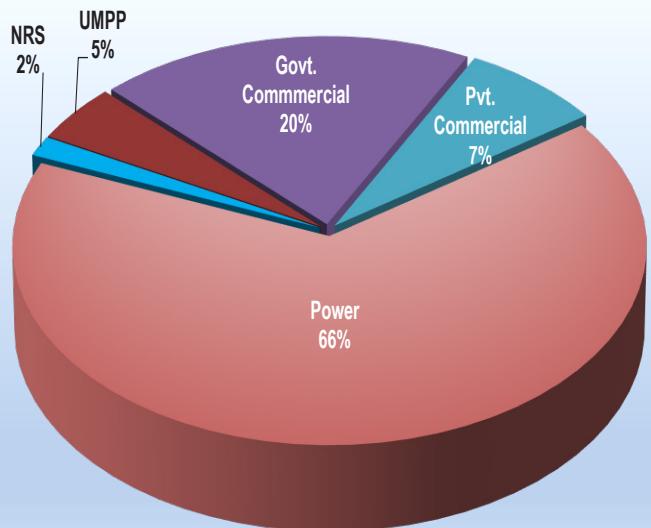
Sl.No.	Block Allocated	No. of Blocks	State where the Block is Located	Extractable Reserve (Qty. in MT)	Date of Allotment	Mode of Allocation	Name of the party	Type of Company: PSU(S)/PSU(C)/Private	End-use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
78-83	Baranj – I, II, III, IV, Kiloni & Manora Deep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

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

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

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

Sector Wise Number Allotment of Captive Coal Blocks**Sector Wise Extractable Reserve of Captive Coal Blocks**

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

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

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

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

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

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

Contd.....

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

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

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

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

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

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

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

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

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

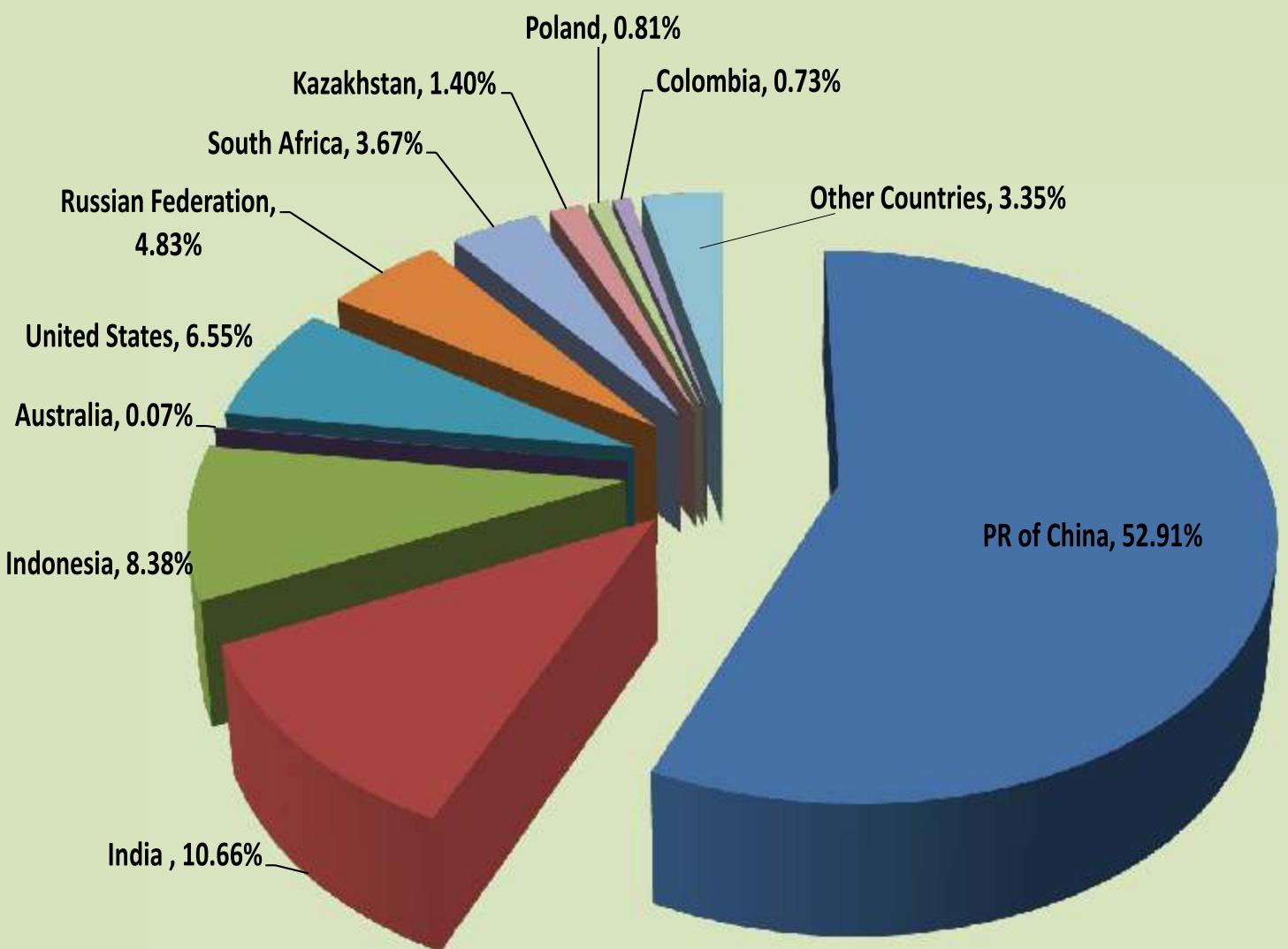
Sl.No.	Block Allocated	No. of Blocks	State where the Block is Located	Geological/ Extractable Reserve (Qty. in MT)	Date of Allotment	Name of the Party	Type of Company (PSU(S)/ PSU(C)/ Private	End-use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Pakri-Barwadih	1	JH	1436.00	11.10.2004	NTPC	PSU(C)	Power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

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

10

World Coal Statistics

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



Note: Data in this section is based on calendar year

Section X

World Coal Review

10.1 World Coal

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

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

Source: IEA

10.2 Production

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

Statement 10.2: World Coal Production (MT) in 2020		
Country / Group	Production	% Share
P R of China	3902.0	50.4%
India	756.5	9.7%
Indonesia	562.5	7.2%
United States	484.7	6.3%
Australia	476.7	6.2%
Russian Federation	399.8	5.2%
South Africa	248.3	3.2%
Kazakhstan	113.2	1.5%
Germany	107.4	1.4%
Poland	100.7	1.3%
Others	589.8	7.6%
World	7741.6	100.00%

Source: IEA

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

Statement 10.3: World Coking Coal Production (MT) in 2020		
Country	Production	% Share
P R of China	553.7	49.90%
Australia	183.7	18.69%
Russian Federation	90.5	9.79%
United States	49.8	6.57%
India	42.0	3.55%
Canada	26.1	3.37%
Mongolia	27.2	3.03%
Poland	12.3	1.20%
Mexico	4.6	0.57%
Indonesia	5.4	0.57%
Others	27.775	2.76%
World	1023.075	100.00%

Source: IEA

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

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

Source: IEA

10.3 Import and Export

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

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

Source: IEA

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

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

Source: IEA

10.4 Coal Price

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

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

(Qty. in MT)

Countries	Anthracite and Bituminous	Sub Bituminous and Lignite	Total	Share of Total	R/P Ratio	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Canada	4346	2236	6582	0.6%	166	* More than 500 years.
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%	*	
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	
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	
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	
India	105979	5073	111052	10.3%	147	
Indonesia	23141	11728	34869	3.2%	62	
Japan	340	10	350	◆	453	
Mongolia	1170	1350	2520	0.2%	58	
New Zealand	825	6750	7575	0.7%	*	
Pakistan	207	2857	3064	0.3%	396	
South Korea	326	-	326	◆	320	
Thailand	-	1063	1063	0.1%	80	
Vietnam	3116	244	3360	0.3%	69	
Other Asia Pacific	1421	726	2147	0.2%	33	
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	

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.

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.

Reserves-to-production (R/P) ratios are calculated excluding other solid fuels in reserves and production.

Shares of total and R/P ratios are calculated using million tonnes figures.

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

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

(Qty. in MT)

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

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

♦ Less than 0.05%.

USSR includes Georgia and the Baltic States.

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

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

Growth rates are adjusted for leap years.

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

(Qty. In MT Oil Equivalent)

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

Contd.....

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

(Qty. In MT Oil Equivalent)

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

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

◆ Less than 0.005. n/a not available.

USSR includes Georgia, Ukraine and the Baltic States.

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

Notes: Differences between these consumption figures and the world production statistics are accounted for by stock changes, and unavoidable disparities

Annual changes and share of total are calculated using million tonnes oil equivalent figures.

Table 10.4: Trends of World Coal Prices

(in USD/ Tonne)

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

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

The Asian prices are the average of the monthly marker.

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

‡ Source: S&P Global Platts ©2020, S&P Global Inc. Prices are for CAPP 12,500 Btu, 1.2 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-10.5: Production of Coal, Coke and Lignite by major Coal Producing Countries during 2019 & 2020 e
(Qty. in MT)

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

Contd.....

Algeria	0	0	0	15	0	0	0	0	0	0
Botswana	0	2111	0	0	0	0	1876	0	0	0

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

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

Source: International Energy Agency (IEA).

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

(Qty. in MT)

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

Contd.....

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

(Qty. in MT)

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

Source: International Energy Agency (IEA).

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

(Qty. in MT)

Country	2019					2020 e				
	Coking Coal	Other Bituminous & Anthracite	Sub Bituminous Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat	Coking Coal	Other Bituminous & Anthracite	Sub Bituminous Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	28049	3709	87	78	103	32958	1691	61	39	67
Mexico		3					5			
United States	38198	20712	3724	620	26	48004	31162	5868	878	28
North America	66247	24424	3811	698	129	80962	32858	5929	917	95
Chile				59					52	
Colombia	1478	28963		2027		1923	69604		3147	
Argentina							61			
Others South America		465					964			
South America	1478	29428	0	2086	0	1923	70630	0	3199	0
Belgium		292	0	136		1	84	1	38	
Czech Republic	489	341		520	491	873	562		588	685
Denmark		194					46			
Estonia				15					20	
Finland				101					164	
France				13					6	
Germany	10	579		746		12	450		761	
Hungary				222	9				276	4
Italy				284					278	
Latvia		4					5			
Netherlands				299					124	
Norway		46		0			79		0	
Poland	2633	1918		6346	54	2575	1797		6177	148
Portugal		82								
Slovak Republic									68	
Spain		1986		96			1525		143	
Sweden				23					49	
Turkey	6	117		1	4	9	47		1	1
United Kingdom	3	1306				3	737			
Belarus		1574					3243			
Bosnia and Herzegovina				361	150				455	163
Bulgaria					28					50
Croatia				2						
Georgia					1					1
Kosovo					9					27
Montenegro					111					111
Republic of North Macedonia		0	0				0	1		0
Romania					2				0	0
Russian Federation	29105	170021		2687	13109	24572	180823		2798	12116
Serbia		1		0	72					94
Ukraine		2		58		29	32		14	
Europe	32246	178463	1	11908	14040	28075	189430	2	11961	13399
Contd.....										
Australia	177304	212690		814		183156	209778		657	

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

(Qty. in MT)

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

Source: International Energy Agency (IEA).

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

(Qty. in MT)

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

Contd....

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

(Qty. in MT)

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

Source: International Energy Agency (IEA).

11

Mine Statistics



Section XI

11.1 Mine Statistics

11.1.1 Mine statistics in terms of number and distribution of mines has been drawing attention of policy makers in the country. This section, therefore, deals with this aspect in detail. The information has been provided in tabular form in nine tables to describe Number of Mines, company-wise (Table11.1), Number of Mines, State Wise (Table11.2), Number of Mines, Sector Wise (Table11.3), Number of Mines, Captive/Non Captive (Table11.4), Number of Mines, Public/ Private, Captive/Non Captive (Table11.5), Number of Working Coal Mines (Table11.6), Number of working Lignite Mines (Table11.7), Number of Mines - State Wise, Public/Private, Captive/Non Captive (Table11.8), and Number of Lignite Mines, State Wise, Public/Private, Captive/Non Captive (Table11.9) as on 31.03.2021.

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

Statement 11.1: State-wise Distribution of Coal Mines as on 31/03/2021			
State	No. of Coal Mines		
	Captive	Non-Captive	Total
Assam		3	3
Chhattisgarh	11	42	53
J & K	0	2	2
Jharkhand	3	110	113
Madhya Pradesh	4	57	61
Maharashtra	2	52	54
Odisha	6	25	31
Uttar Pradesh	0	5	5
Telangana	1	47	48
West Bengal	6	66	72
All India	33	409	442

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

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

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

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

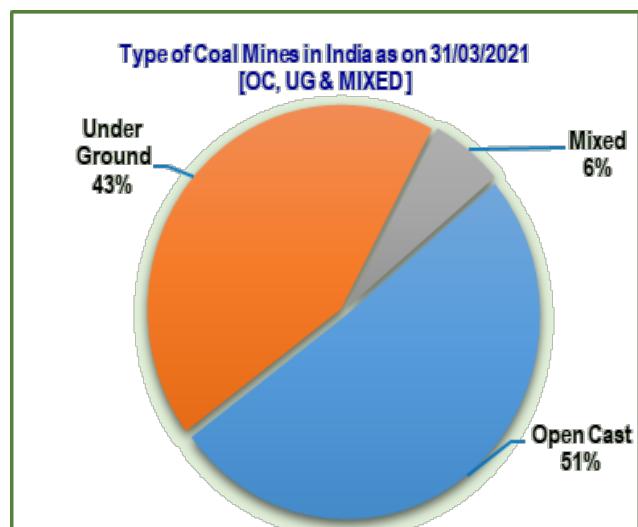


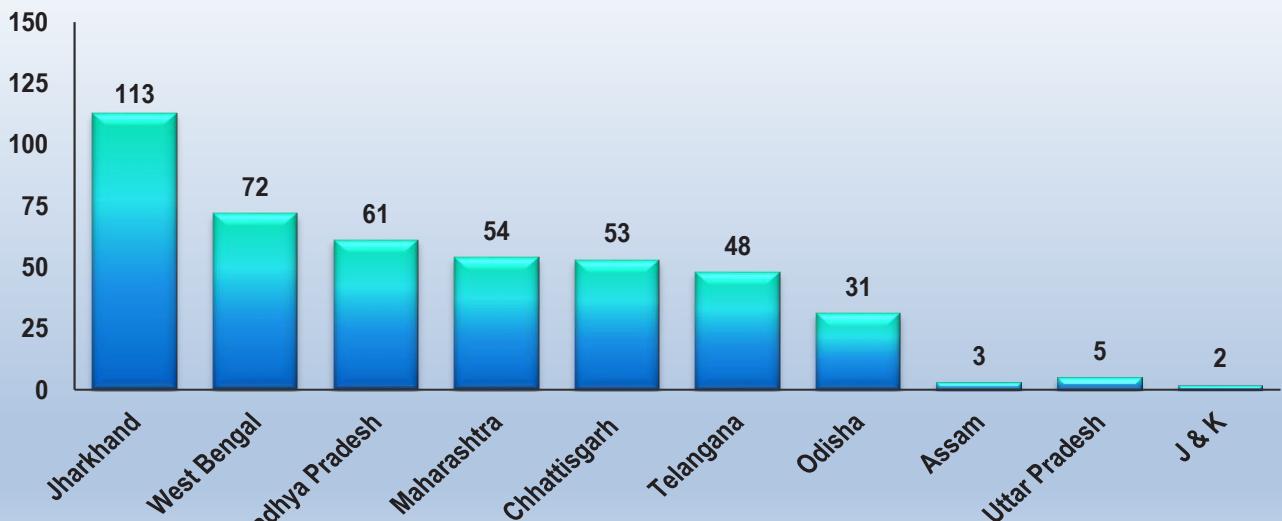
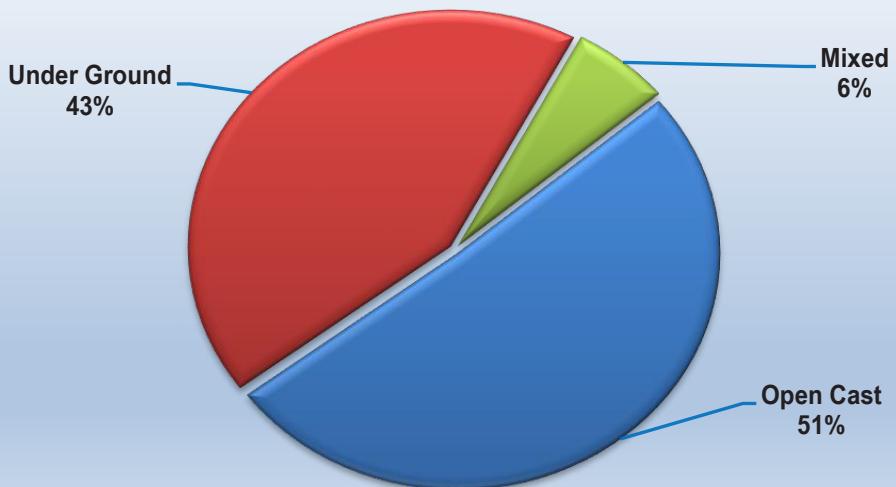
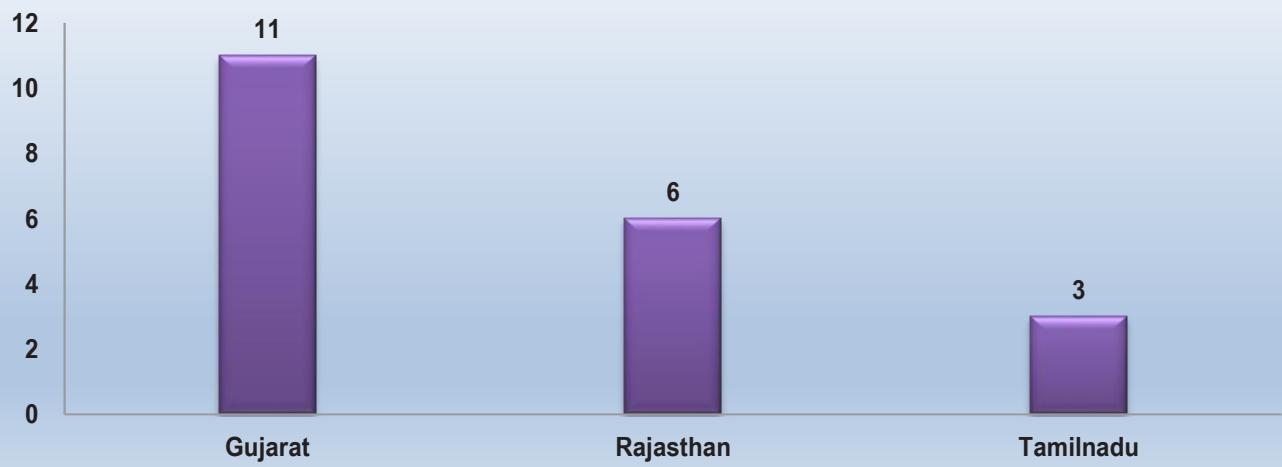
Chart - I : Number of Coal Mines State Wise as on 31/03/2021**Chart-II : Share of OC, UG & Mixed Coal Mines in India as on 31/03/2021****Chart - III : No. of Lignite Mines as on 31/03/2021**

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

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

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

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

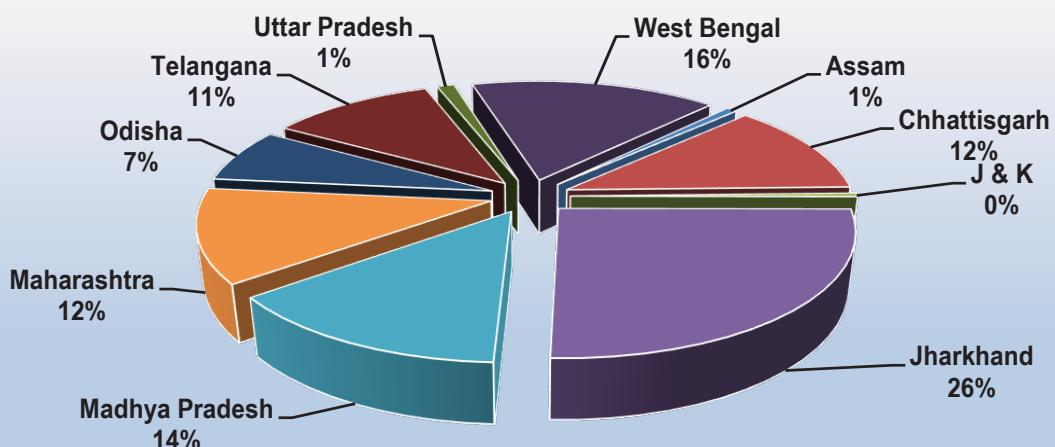
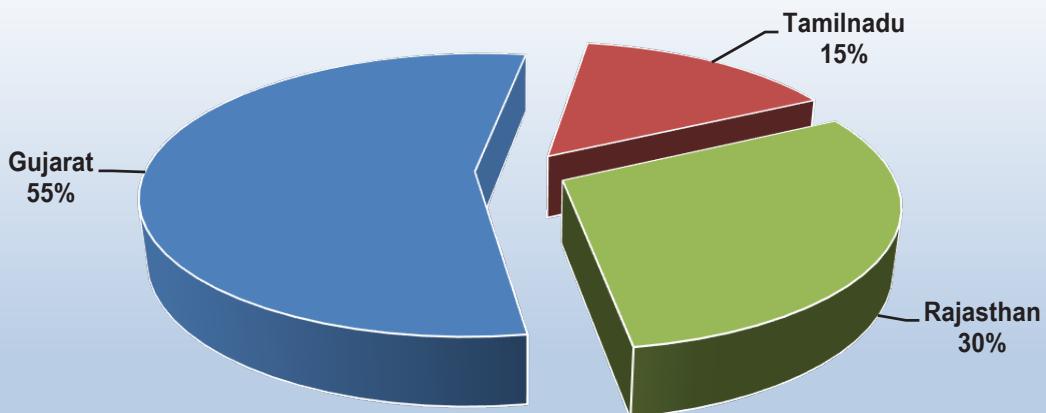
State Wise No. of Coal Mines as on 31/03/2021**State Wise No. of Lignite Mines as on 31/03/2021**

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

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

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

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

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

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

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

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

Contd...

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

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

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

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

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

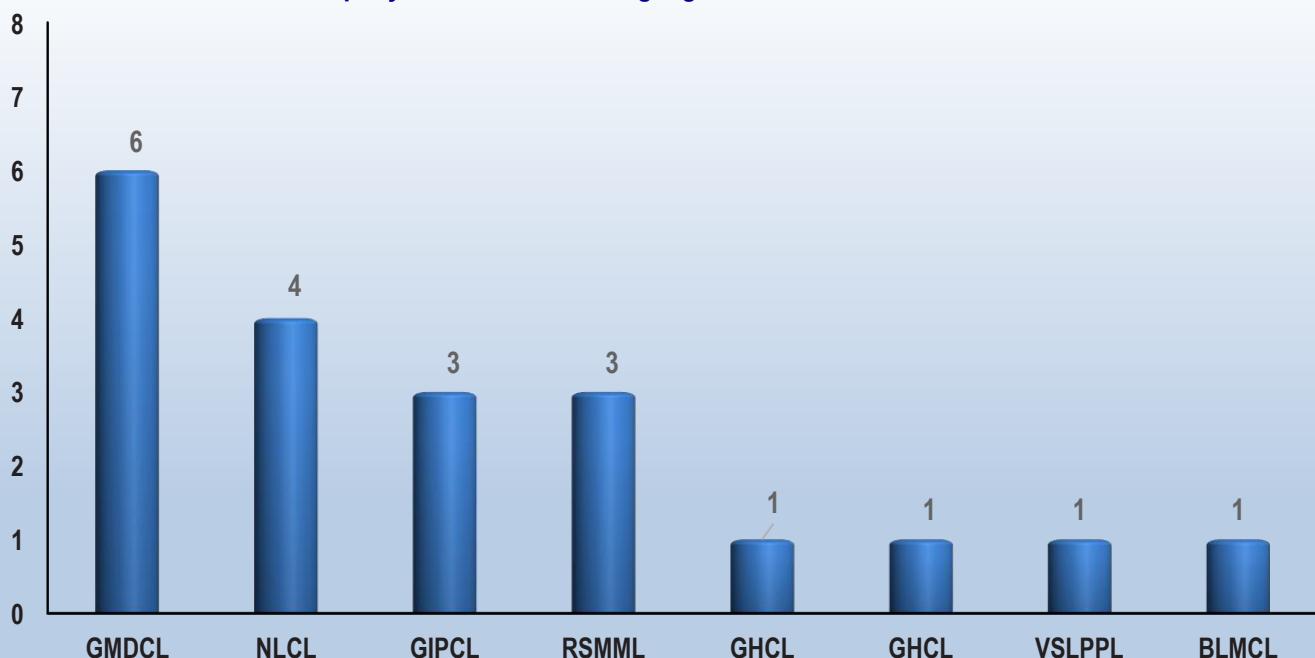


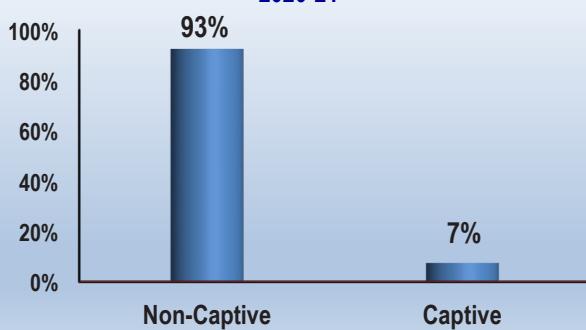
Table 11.8: No. of Coal Mines Captive, Non-Captive, Public and Private as well as State Wise Breakup as on 31/03/2021

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

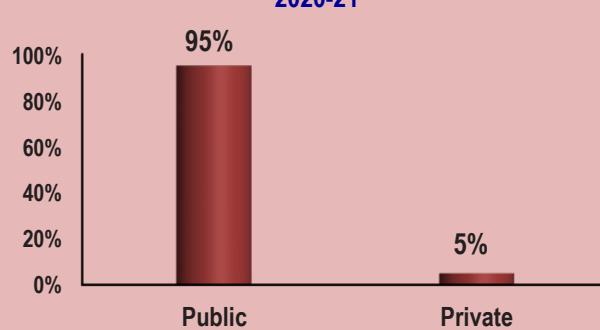
Table 11.9: No. of Lignite Mines Captive, Non-Captive, Public and Private as Well as State Wise Breakup as on 31/03/2021

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

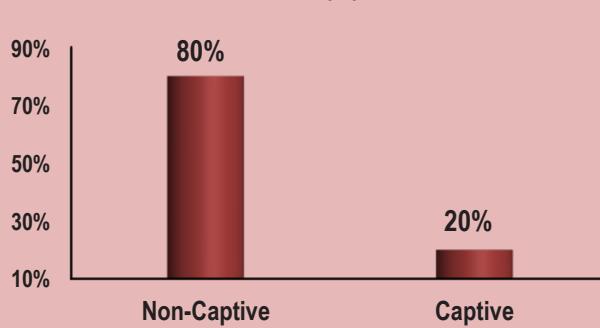
Share(%) of Coal Mines Non-Captive & Captive in 2020-21



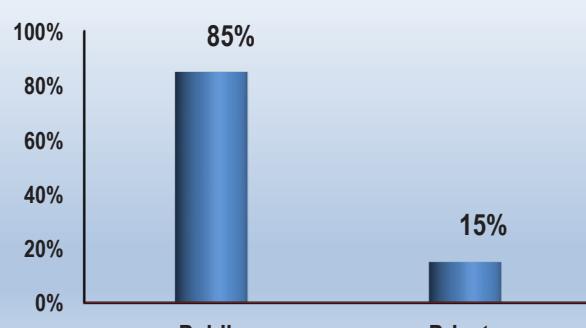
Share(%) of Coal Mines Public & Private in 2020-21



Share(%) of Lignite Mines Non-Captive & Captive in 2020-21



Share(%) of Lignite Mines Public & Private in 2020-21



12

Appendix



Annexure-I**ABBREVIATIONS**

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

Annexure-I**ABBREVIATIONS**

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



**COAL CONTROLLER'S ORGANIZATION
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