COAL DIRECTORY OF INDIA
2019 - 20

Coal Statistics

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

COAL DIRECTORY OF INDIA
2019-20

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FOREWORD

Coal is the backbone of India's Energy sector with 72% share in electricity generation along with significant contribution in production of Steel, Cement, Fertilizer etc. With substantial indigenous reserves and affordability, coal is likely to remain the primary source of energy in foreseeable future despite push for renewables. Therefore, data driven decision making is of immense importance for efficient and optimum utilization of coal and also for ensuring energy security of the country.

Coal Controller's Organization has been carrying out the task of collection, compilation and dissemination of data related to the Coal and Lignite sector through its publication **"The Coal Directory of India"**. This publication provides Coal and Lignite statistics spreading over eleven sections covering a brief history of the coal sector in India, present status, reserve, production, dispatch, pit-head closing stock, price, export and import, trends of coal consumption, captive coal and lignite blocks, world coal statistics and brief colliery statistics.

The data presented in this Directory have been collected from different Coal/Lignite companies through a format designed by the Coal Controller's Organization. I am grateful to all data supply agencies viz. CIL and its Subsidiaries, SCCL, NLCIL and other Coal companies, SAIL, Geological Survey of India (GSI), Directorate General of Commercial Intelligence & Statistics (DGCI&S), Central Statistics Office (CSO), Central Electricity Authority (CEA), Cement Manufacturer's Association and International Energy Agency (IEA) for providing useful information to make the ***Coal Directory of India 2019-20*** an exhaustive database of coal & lignite.

I believe that the publication would be useful to different Ministries, Government Organizations, Research bodies, planners, thinkers, etc. I 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 the publication will be appreciated.

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(Santosh)
Coal Controller

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CONTENTS

CONTENTS

CONTENTS

CONTENTS

CONTENTS

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. For some time, coal mining activities in India were at low ebb. 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 too. 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 headquarters 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 and 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. Further, allocation of four coal blocks for UMPPs, namely, Chhatrasal coal block cancelled on 07.05.2015 and Meenakshi, Meenakshi B and Dip side of Meenakshi blocks of UMPP cancelled on 15.12.2015. As such as on date 10 coal blocks allocated through earlier dispensations stand allocated.

1.3.4 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].

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 31.03.2020, the number of coal blocks that exists is 105 (vested/ allotted - 82 + Custodian – 08 + Under Auction by Competitive Bidding Rules, 2012 – 11 and blocks not cancelled – 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 Stee .

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 two 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 heat raising. Bituminous coal is a medium-rank coal used for gasification, industrial coking and heat raising and residential heat raising. 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 national and international, 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 abrasive, 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 clan coals and rejects. It is used for power generation. It is also used by domestic fuel plants, brick manufacturing units, cement plants, industrial plants, etc.

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

1.10 Categorisation of Coal in India

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

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

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

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

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

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

N.B:

1. "Useful heat value" is defined as:

UHV = 8900- 138 (A + M)

Where UHV = Useful heat value in KCal/kg,

A = Ash content (%) ;
M = Moisture content (%).

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

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

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

1.10.4 In order to adopt the best international practices, India decided to switch over from the grading based on Useful Heat Value (UHV) to the grading based on Gross Calorific Value (GCV) and therefore on 16.01.2011 the Ministry of Coal notified the switch over. As per the

new system, following nomenclature has been introduced for gradation of **non-coking coal**.

Grades	GCV Range (Kcal/Kg)
G1	GCV exceeding 7000
G2	GCV between 6701 & 7000
G3	GCV between 6401 & 6700
G4	GCV between 6101 & 6400
G5	GCV between 5801 & 6100
G6	GCV between 5501 & 5800
G7	GCV between 5201 &5500
G8	GCV between 4901 & 5200
G9	GCV between 4601 & 4900
G10	GCV between 4301 & 4600
G11	GCV between 4001 & 4300
G12	GCV between 3700 & 4000
G13	GCV between 3400 & 3700
G14	GCV between 3101 & 3400
G15	GCV between 2801 & 3100
G16	GCV between 2501 & 2800
G17	GCV between 2201 & 2500

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

Table 5: Concordance Table

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

1.11 Some General Concepts

1.11.1 Run-of-Mine (ROM) Coal: The coal delivered from the mine to the Coal Preparation Plant (CPP) is called run-of-mine (ROM) coal. This is the raw material for the CPP and consists of coal, rocks, middlings, minerals and contamination. Contamination is usually introduced by the mining process and may include machine parts, used consumables and parts of ground engaging tools. ROM coal can have a large variability of moisture and particle size.

1.11.2 Opencast Mining: Open-pit mining, open-cut mining or opencast mining is a surface mining technique of extracting rock or minerals from the earth by their removal from an open pit or borrow. This form of mining differs from extractive methods that require tunneling into the earth such as long wall mining. Open-pit mines are used when deposits of commercially useful

minerals or rock are found near the surface; that is, where the overburden (surface material covering the valuable deposit) is relatively thin or the material of interest is structurally unsuitable for tunneling (as would be the case for sand, cinder, and gravel). For minerals that occur deep below the surface - where the overburden is thick or the mineral occurs as veins in hard rock - underground mining methods extract the valued material.

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

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

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

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

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

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

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

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

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

1.11.9.3 Even there are private sector collieries being managed by the parent company engaged in manufacturing of Steel

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

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

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

1.12 Commodity Classification

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

Highlights

1. Production

In the year 2019-20, the total production of raw coal in India was 730.874 MT whereas it was 728.718 MT in 2018-19. Thus in 2019-20, production of coal increased by 0.30 % in comparison to 2018-19. In the year 2019-20 production of lignite was 42.096 MT against 44.283 MT in 2018-19, thus in 2019-20 lignite production decreased by 4.94 % against 2018-19. [Ref: Table 3.1]

The contribution of Public Sector and Private Sector in the production of Raw Coal in 2019-20 were as follows: [Ref: Table 3.10]

Production of Raw Coal in 2019-20 (MT)			
Sector	**Coking**	**Non-Coking**	**Total Coal**
Public	46.726	651.498	**698.224**
Private	6.210	26.440	**32.650**
All India	**52.396**	**677.938**	**730.874**

The production of coking coal in 2019-20 was 52.936 MT whereas it was 41.132 MT in 2018-19, thus registering a growth of 28.70%. In 2019-20, the production of non-coking coal was 677.938 MT whereas it was 687.586 MT in 2018-19, showcasing a negative growth of 1.40%. [Ref Table: 3.2].

In 2019-20, the production of washed coal (coking) was 5.285 MT which decreased by 5.12% when compared with the previous year. In 2019-20, production of middling (coking) was 3.547 MT whereas in 2018-19, the quantity was 3.502 MT, hence, an increment of 1.28% was observed. [Ref Table: 3.3]

In 2019-20, Chhattisgarh registered the highest coal production of 157.745 MT (21.58%), followed by Odisha 143.016 MT (19.57%), Jharkhand 131.763 MT (18.03%) and Madhya Pradesh 125.726 MT (17.20%). In 2019-20, Tamil Nadu was the largest producer of lignite and produced 23.516 MT (55.86%) followed by Gujarat 10.357 MT (24.60%) and Rajasthan 8.223 MT (19.53%). [Ref Table: 3.8 & 3.9]

Coal India Limited produced 602.129 MT (82.38%) and SCCL 64.044 MT (8.76%) of coal in 2019-20. In that year, main producer of lignite was Neyveli Lignite Corporation that produced 24.864 MT (59.06%). [Ref Table: 3.10]

Like previous years, in 2019-20, Jharkhand produced the maximum coking coal in India, 52.364 MT which was 98.92% of total coking coal production (52.936 MT). Chhattisgarh was the highest non-coking coal producing state, producing 157.495 MT (23.23%) of the total non-coking production of 677.938 MT, followed by Odisha which

produced 143.016 MT (21.10%) and Madhya Pradesh 125.548 MT (18.52%). [Ref Table: 3.11 & 3.8]

In 2019-20, around 94.44% of coal production in India was from Open Cast mines (690.208 MT) and the rest 5.56% was from Underground mines (40.666 MT). [Ref Table: 3.18]. MCL produced highest quantity of coal from Open Cast mines, 139.522 MT (20.21%) followed by SECL which produced 133.035 MT (19.27%). SECL produced highest quantity of coal from Underground mines, 14.090 MT (34.65%) followed by ECL which produced 9.206 MT (22.64%). [Ref Table: 3.19]

Overall stripping ratio for the year 2019-20 was 2.55 (stripping ratio is defined as the ratio of overburden removal to coal produced in open cast mining.) [Ref Table 3.21]

Productivity (OMS) of Open Cast mines in 2019-20 was 17.90 Tonnes for CIL and 19.68 Tonnes for SCCL. OMS for Underground mines of CIL was 0.99 Tonnes and for SCCL was 1.45 Tonnes. (OMS is the output measured in tonnes per unit of man-shift) [Ref Table: 3.22].

2. Despatch

In the year 2019-20, despatch of indigenous raw coal was 707.176 MT against 732.794 MT in 2018-19, thus showing a decrease of 3.50%. In 2019-20, despatch of lignite was 42.267 MT against 45.810 MT in 2018-19, thus showing a negative growth of 7.73%. [Ref Table: 4.1]

The contribution of Public Sector and Private Sector in the despatch of raw coal in 2019-20 was as follows: [Ref Table: 4.10]

Despatch of Raw Coal in 2019-20 (MT)			
Sector	**Coking**	**Non-coking**	**Total Coal**
Public	44.450	630.076	**674.526**
Private	6.206	26.444	**32.650**
All India	**50.656**	**656.520**	**707.176**

Despatch of coking coal increased to 50.656 MT in 2019-20 from 43.318 MT in 2018-19, thus, showing a growth of 16.94% over 2018-2019. [Ref: Table 4.10].

In 2019-20, despatch of non-coking coal 656.520 MT whereas it was 689.476 MT in 2018-19, thus decreasing by 4.78%. [Ref Table: 4.10]

In 2019-20, despatch of washed coal (coking) was 5.305 MT against 5.551 MT in 2018-19, thus decreasing by 4.43%. In 2019-20, despatch of middling (coking) was 3.591 MT against 3.856 MT in 2018-19, thus decreasing by 6.87%. [Ref Table: 4.3]

In 2019-20, major quantity of coal was despatched from Chhattisgarh 147.076 MT (20.80%) followed by Odisha 135.878 MT (19.21%), Jharkhand 132.418 MT (18.72%),

Madhya Pradesh 109.283 MT (15.45%) and Telangana 64.122 MT (9.07%). [Ref Table: 4.8]

In case of lignite despatch, Tamil Nadu had the highest share of 23.775 MT (56.25%) followed by Gujarat 10.354 MT (24.50%) and Rajasthan 8.138 MT (19.25%). [Ref Table: 4.9]

Out of the total despatch of raw coal in 2019-20, despatch of CIL was 581.640 MT (82.25%) and SCCL 62.465 MT (8.83%). Among the other PSUs maximum coal was despatched by RRVUNL 15.00 MT. Despatch of coal from private sector was 32.650 MT in which SPL had the largest share of 18.783 MT followed by TSL 6.206 MT. [Ref Table: 4.10]

Power Sector (Utility) continued to be the largest user of coal. In 2019-20, coal despatched to power sector was 540.995 MT compared to 567.645 MT in 2018-19. Coal despatched to steel sector was 11.908 MT in 2019-20 and 12.813 MT in 2018-19. Coal despatched to cement sector was 8.569 MT in 2019-20 compared to 8.816 MT in 2018-19 [Ref Table: 4.20]

3. Pit Head Closing Stock

Pit-head closing stock of raw coal at the end of 2019-20 was 81.432 MT against 57.640 MT in 2018-19. Closing Stock of lignite at the end of 2019-20 was 5.495 MT whereas it was 5.672 MT at the end of 2018-19. [Ref Table: 5.1]. Out of total closing stock at the end of 2019-20, share of public sector was 80.568 MT (98.94%). [Ref Table: 5.6]

At the end of 2019-20, Pit-head closing stock of coking coal was 6.422 MT against 4.135 MT at the end of 2018-19 MT and pit-head closing stock of non-coking coal was 75.010 MT against 53.505 at the end of 2018-19. [Ref Table: 5.2].

4. Import and Export

In 2019-20, total import of coal was 248.537 MT compared to 235.348 MT in 2018-19, thus showing an increase of 5.60%. In 2019-20, import of coking coal was 51.833 MT compared to 51.838 MT in 2018-19, showing a decrease of 0.01%. Import of non-coking coal was 196.704 MT in 2019-20 compared to 183.510 MT in 2018-19, depicting an increase of 7.19%. [Ref Table: 7.1]

In 2019-20, coal was mainly imported from countries such as Indonesia (116.663 MT), Australia (46.718 MT), South Africa (42.481 MT), U.S. (12.158 MT), Russia (8.226 MT) and Mozambique (5.476 MT). [Ref Table: 7.3]

In 2019-20, coal was mainly imported through ports such as Mundra (21.850 MT), Krishnapatnam (20.133 MT), Gangavaram port (19.620 MT), Paradip Sea (17.549 MT), Visakhapatnam Sea (16.783 MT), Kandla Sea (15.400 MT), Kolkata Sea (13.144 MT), Dharma Chandbali (14.215 MT), and Sez Mundra (12.589 MT), among others. [Ref Table: 7.5]

In 2019-20, export of coal was 1.030 MT compared to 1.306 MT in 2018-19. Coal was mainly exported to Bangladesh (0.187 MT) and Nepal (0.822 MT). [Ref Table: 7.4]

5. Captive Blocks

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 31.03.2020, the number of coal blocks that exists is 105 (vested/ allotted - 82 + Custodian – 08 + Under Auction by Competitive Bidding Rules, 2012 – 11 and blocks not cancelled – 04).

The number of lignite blocks that stands allocated as on 31.03.2020, is 23.

6. 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 Five Years.

Year	Item	Production (Quantity in Million Tonnes)				Despatch (Quantity in Million Tonnes)			
		Coking Coal	Non Coking Coal	Total Coal	Lignite	Coking Coal	Non Coking Coal	Total Coal	Lignite
2012-13	Provisional	51.834	505.873	**557.707**	46.598	55.212	514.555	**569.767**	46.312
	Final	51.582	504.82	**556.402**	46.453	55.859	511.277	**567.136**	46.313
	Change (F-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
	Final	56.818	508.947	**565.765**	44.271	58.464	513.596	**572.06**	43.897
	Change (F-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	**607.63**	46.941
	Final	57.446	551.733	**609.179**	48.27	56.438	547.334	**603.772**	46.954
	Change (F-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
	Final	60.887	578.343	**639.23**	43.842	59.213	573.229	**632.442**	42.211
	Change (F-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**	45.23	59.545	590.774	**650.319**	43.155
	Final	61.661	596.207	**657.868**	45.23	59.308	585.253	**644.561**	43.155
	Change (F-P)	0.00%	-0.82%	**-0.74%**	0.00%	-0.40%	-0.93%	**-0.89%**	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	45.38	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	**706.77**	42.267
	Actual	52.936	677.938	**730.874**	42.096	50.656	656.52	**707.176**	42.267
	Change(A-P)	-0.10%	0.20%	**0.10%**	-0.70%	0.00%	40.60%	**40.60%**	0.00%

N.B: F=Final, P=Provisional

7. Geological Coal Reserve

As per Geological Survey of India, geological reserves of coal in India as on 01.04.2020 was 3,44,020.84 Million Tonnes. The type wise break up of coal reveals that reserve of coking coal (prime, medium and semi-coking) was 35,004.12 Million Tonnes and non-coking coal was 3,09,016.72 Million Tonnes.

Total coal extracted since 1950 up to 2019-20 was around 1,65,80,813 Thousand Tonnes.

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

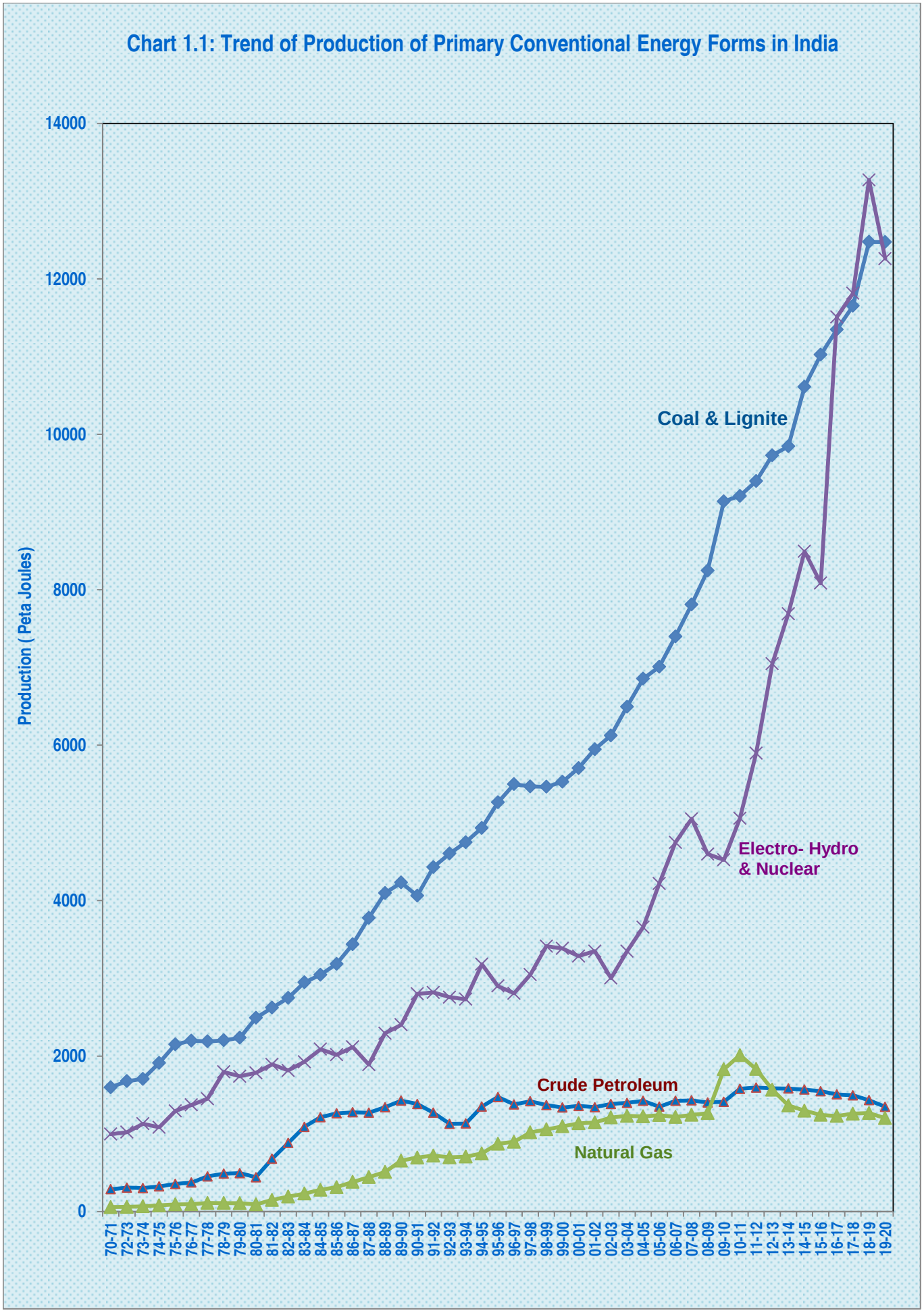


TABLE -1.1: GROWTH OF INDIAN COAL SECTOR AT A GLANCE

Sl. No.	Item	Unit	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(8)
1	**Reserves (Proved)**							
	(i) Coking Coal	Mn.Tonne	18,003	18,485	18,634	19,082	20,063	20,063
	(ii) Non Coking	"	1,13,129	1,19,602	1,24,423	1,29,705	1,35,552	1,43,398
	(iii) Lignite	"	6,182	6,182	6,541	6,541	6,788	6,788
2	**Consumption**							
	(i) Coal	Mn.Tonne	822.131	836.727	835.803	898.496	968.363	955.924
	(ii) Lignite	"	46.954	42.211	43.155	46.317	45.830	42.321
	(iii) Coal Products*	"	46.537	43.020	43.173	41.611	45.497	45.099
3	**Production :**							
	(i) Coal	Mn.Tonne	609.179	639.230	657.868	675.400	728.718	730.874
	(ii) Lignite	"	48.270	43.842	45.230	46.644	44.283	42.096
	(iii) Coal Products*	"	46.146	43.194	45.065	37.291	42.617	42.579
4	**Imports**							
	(a) Qty : Coal	Mn.Tonne	217.783	203.949	190.953	208.249	235.348	248.537
	Coal Products	"	3.294	3.072	4.346	4.585	4.931	2.875
	Lignite		0.001	0.001	0.019	0.0104	0.0194	0.0543
	Total (a)	"	**221.077**	**207.022**	**195.319**	**212.844**	**240.298**	**251.465**
	(b) Value: Coal	Rs.Million	1045066.09	860337.62	1002313.94	1384769.77	1709204.90	1527320.55
	Coal Products	"	43806.15	32683.54	54019.35	91524.74	120644.85	60256.67
	Lignite		17.03	14.83	433.29	116.50	403.43	1074.46
	Total (b)	"	**1088889.27**	**893035.99**	**1056766.58**	**1476411.02**	**1830253.18**	**1588651.69**
5	**Exports**							
	(a) Qty : Coal	Mn.Tonne	1.238	1.575	1.773	1.504	1.306	1.030
	Coal Products	"	0.102	0.149	0.089	0.107	0.025	0.022
	Lignite		0.003	0.001	0.005	0.004	0.079	0.093
	Total (a)		**1.343**	**1.724**	**1.867**	**1.615**	**1.410**	**1.144**
	(b) Value: Coal	Rs.Million	7197.27	8998.43	9669.25	8783.03	9499.87	5832.07
	CoalProducts	"	1140.32	1493.51	1063.43	1726.21	228.09	224.42
	Lignite		39.81	8.73	305.12	292.56	2233.19	2480.98
	Total (b)		**8377.41**	**10500.67**	**11037.79**	**10801.81**	**11961.15**	**8537.47**
6	Unit Value of Coal Imports (gr.)	Rs./Tonne	4799	4218	5249	6650	7262	6145
7	India's Total Exports	Rs.Million	18963484	17088414	17561659	19684600	23077262	22198542
8	India's Total Imports	Rs.Million	27370866	24813672	24063319	29878550	35946746	33609545
9	(i) Coal imports as percentage of India's total import	%	4.0	3.6	4.4	4.9	5.1	4.7
	(ii) Coal exports as percentage of India's total export	%	0.0	0.1	0.1	0.1	0.1	0.0

* Coal Products includes Washed coal, Middlings and Hard coke produced from washeries owned by collieries and integated 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

* Revised since 1998-99. Coal data is based on UHV Concept, not GCV/NCV concept.

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 : 2010-11 to 2019-20

(Quantity in Million Tonnes)

Year	Fuel type	Production	Imports	Exports	Net Import	Opening Stock	Closing Stock	Stock Change (Opening - Closing)	T P S
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2010-11	Coal	532.694	68.918	4.409	64.509	64.863	72.192	-7.329	589.874
	Lignite	37.733				0.565	0.610	-0.045	37.688
	Total	**570.427**	**68.918**	**4.409**	**64.509**	**65.428**	**72.802**	**-7.374**	**627.562**
2011-12	Coal	539.950	102.853	2.014	100.839	72.192	74.040	-1.848	638.941
	Lignite	42.332				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	0.001	0.069	-0.068	1.051	1.493	-0.442	45.943
	Total	**602.855**	**145.786**	**2.512**	**143.274**	**75.091**	**64.542**	**10.549**	**756.678**
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	75.952	-10.591	836.457
	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**	**82.835**	**-14.298**	**877.994**
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	57.640	0.000	978.381
	Lignite	42.096	0.054	0.093	-0.038	5.672	5.672	0.000	42.058
	Total	**772.970**	**248.591**	**1.122**	**247.468**	**63.312**	**63.312**	**0.000**	**1020.438**

Note: Total Primary Supply is estimated as sum of indegenous production, Net Import & Stock Change. For simplicity, only stock change of pit head stock is taken.

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 coalfields are highly disturbed tectonically and sub-bituminous to high volatile bituminous 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 exploitation of coal resources for meeting the demand 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 besides supervising the 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 taking into account factors like emerging demand and its locations, availability of infrastructure for coal evacuation and techno-economic feasibility of the mine development including the coal quality.

2.4 Coal Reserves:

Detailed data on Coal resources, as on 1st April 2020, 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 2020, in situ geological resources of coal in India up to a depth of 1200 meters is 344.021 Billion Tonnes (BT) which includes proved, indicated and inferred resources. Out of the total geological resources in the country, 336.861 Billion Tonnes (BT) (97.92%) are shared by seven states, Jharkhand 85.602 BT (24.88%), Odisha 84.652 BT (24.61%), Chhattisgarh 69.432 BT(20.18%), West Bengal 32.937 BT (9.57%), Madhya Pradesh 29.285 BT (8.51%), Telangana 22.225 BT (6.46%) and Maharashtra 12.728 (3.70%).

2.4.2 Out of the total resource of 344.021 BT as on 1st April, 2020, the share of proved, indicated and inferred resources are 163.461 BT,150.392 BT and 30.168 BT respectively.

2.4.3 Of the total resources, the share of Prime Coking was 5.313 BT (1.54%), Medium Coking 27.984 BT (8.13%), Blendable /Semi Coking 1.708 BT (0.50%). Share of Non-coking Coal (Including High Sulphur) was 309.017 MT (89.83%). It is to be noted that the increase in the total resource from 2018 to 2020 was mainly due to increase of Non-coking coal.

2.5 Lignite Reserves:

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.**

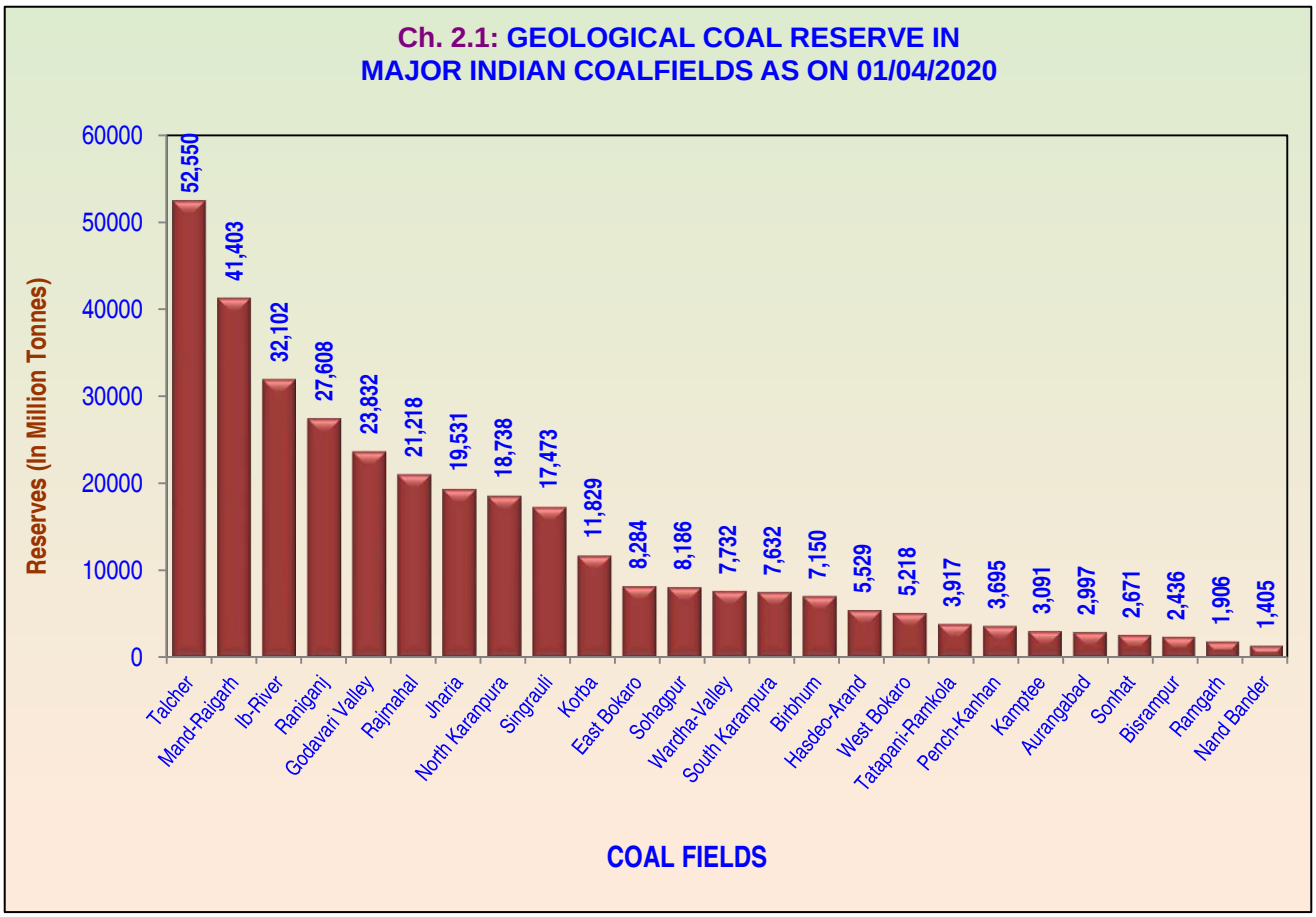
2.5.1 Total lignite resources of the country as on 1st April 2020 was 46.02 Billion Tonnes (BT) which included proved, indicated and inferred resources. Out of the total lignite resources, almost all i.e. 45.56 BT (99.00%) was shared by three major states, Tamil Nadu 36.490 BT (79.30%), Rajasthan 6.349 BT (13.80%) and Gujarat 2.722 BT (5.92%).

2.5.2 Information on agency wise and Coal Company command area wise promotional drilling and detailed drilling achievement during the IXth, Xth,, XIth and XIIth plan period are reported in Tables 2.8 and Table 2.9.

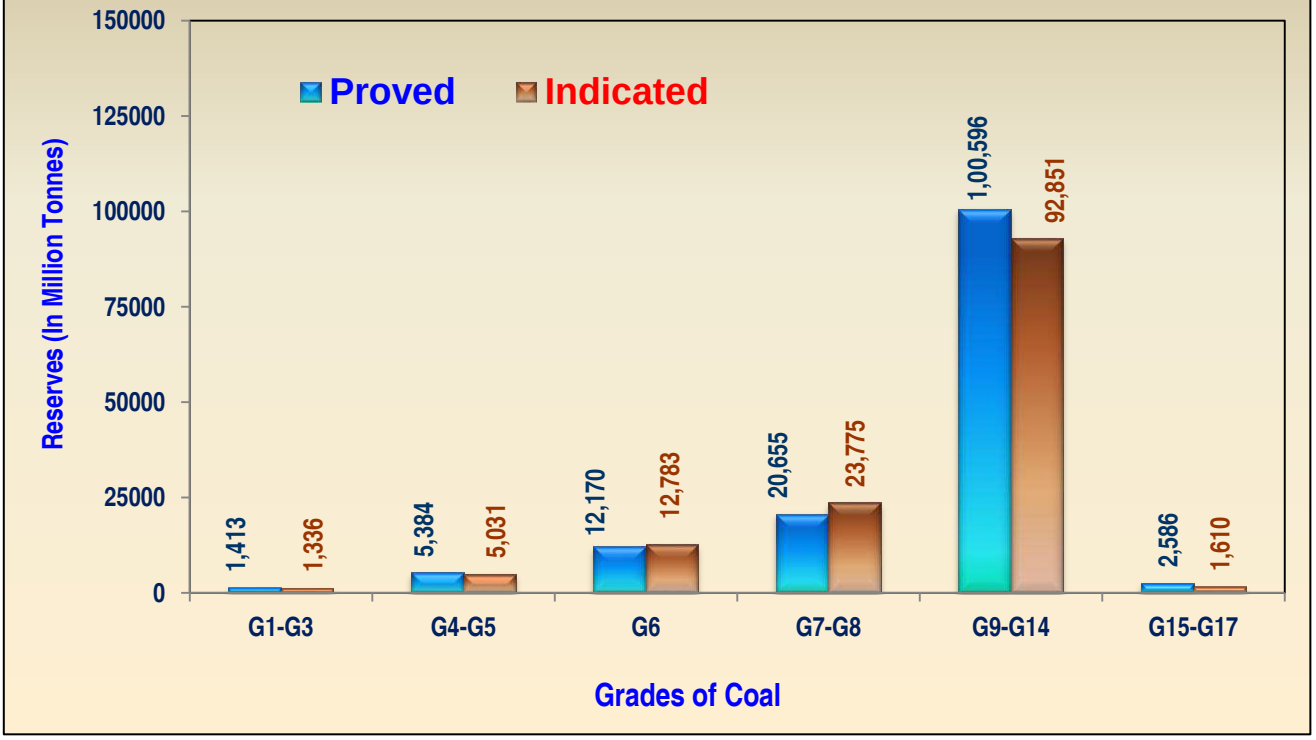
2.6 The different exploration stages and agencies involved in the exercise are summarized below for easy comprehension of the readers.

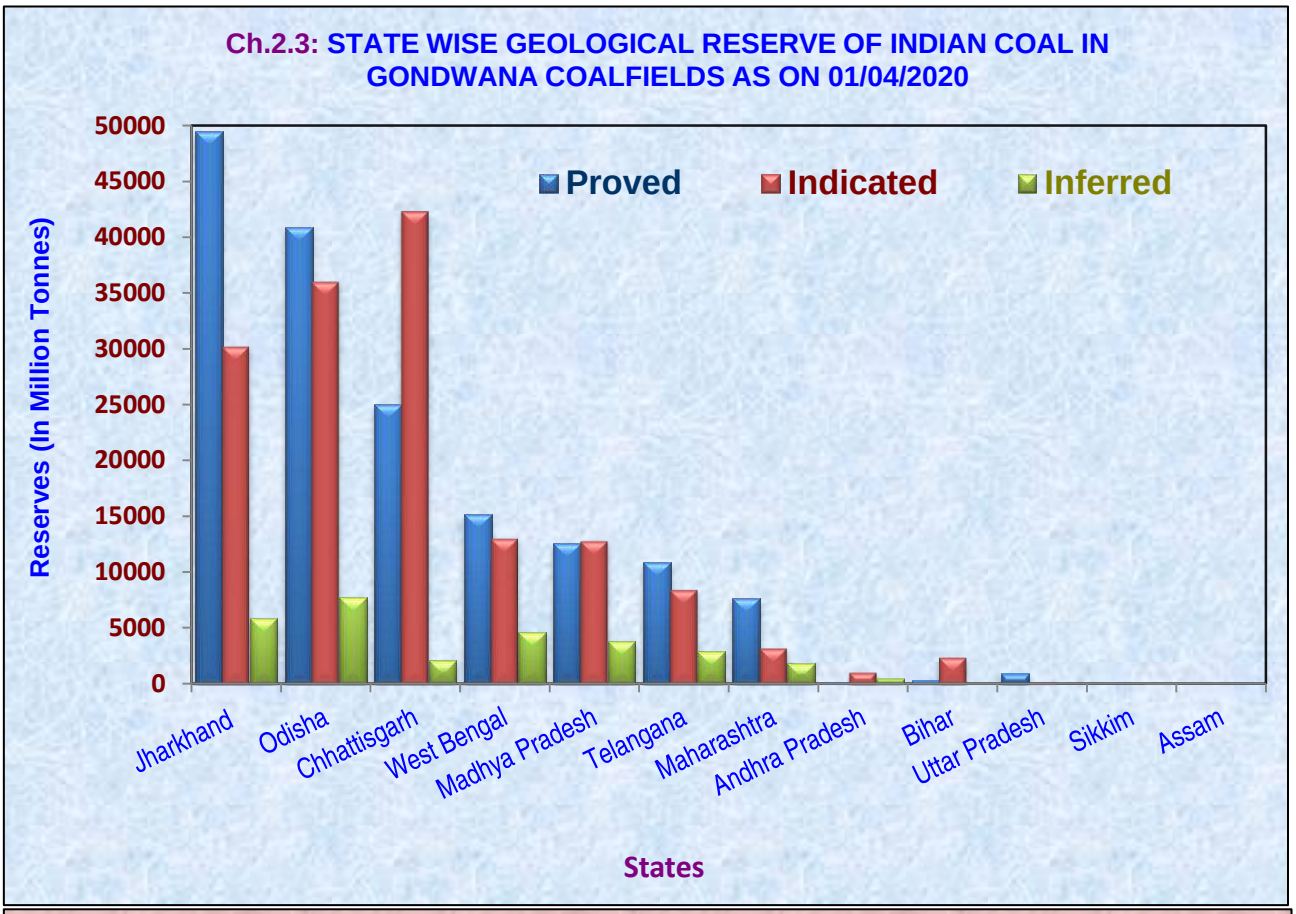
Exploration Stage: Regional (funded by Ministry of Mines)	
Exploration Agencies	
1.	Geological Survey of India
2.	State Directorates of Geology & Mining
Exploration Stage: Regional (Promotional funded by Ministry of Coal)	
Exploration Agencies	
1.	Geological Survey of India
2.	Mineral Exploration Corporation 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.
	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.
	Private Parties/ Coal Mine Owners.

Ch. 2.1: GEOLOGICAL COAL RESERVE IN MAJOR INDIAN COALFIELDS AS ON 01/04/2020



Ch. 2.2: GRADEWISE GEOLOGICAL RESERVE OF NON-COKING COAL IN GONDWANA COALFIELDS AS ON 01/04/2020




Ch.2.3: STATE WISE GEOLOGICAL RESERVE OF INDIAN COAL IN GONDWANA COALFIELDS AS ON 01/04/2020
Proved
Indicated
Inferred
Reserves (In Million Tonnes)
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Jharkhand
Odisha
Chhattisgarh
West Bengal
Madhya Pradesh
Telangana
Maharashtra
Andhra Pradesh
Bihar
Uttar Pradesh
Sikkim
Assam
States

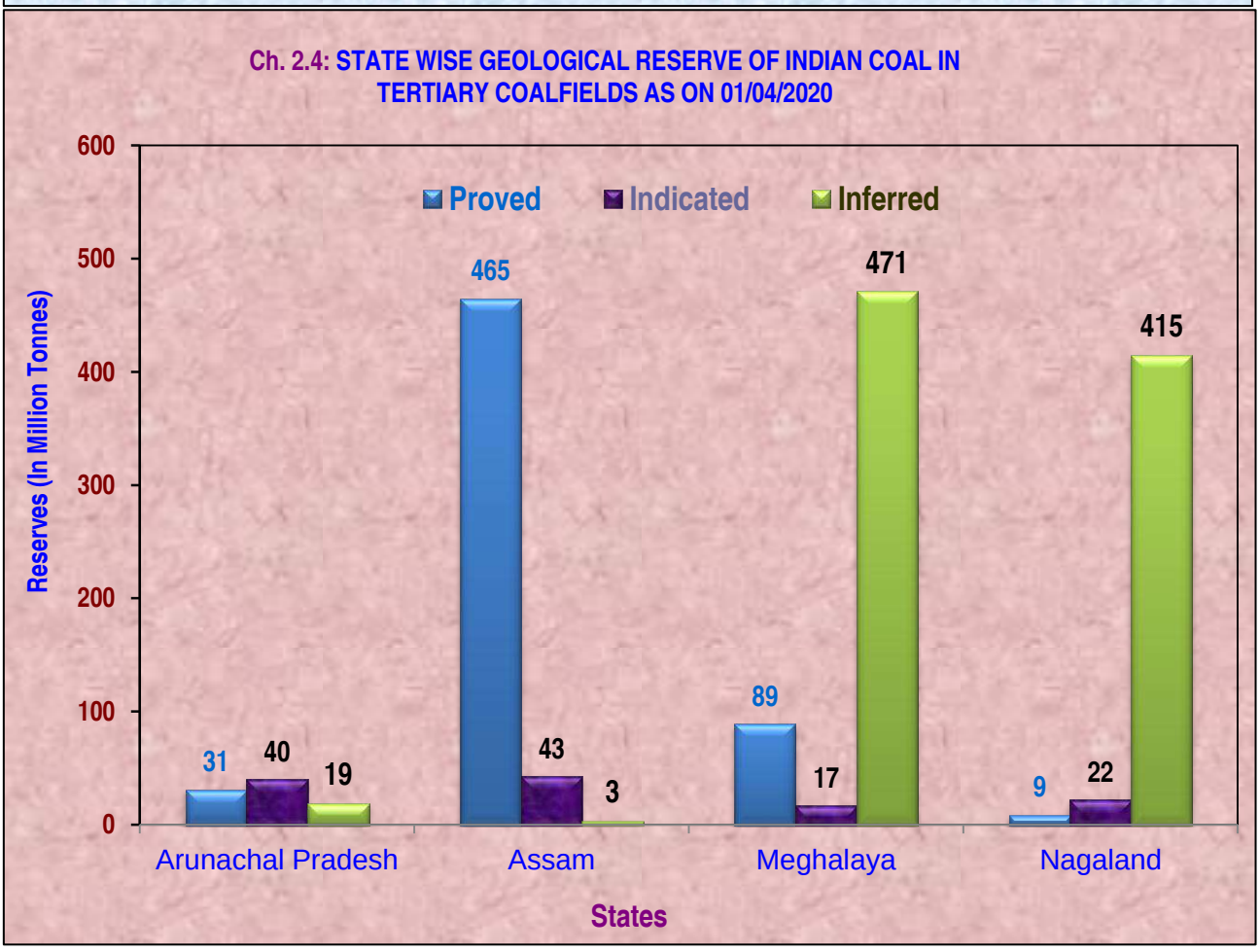
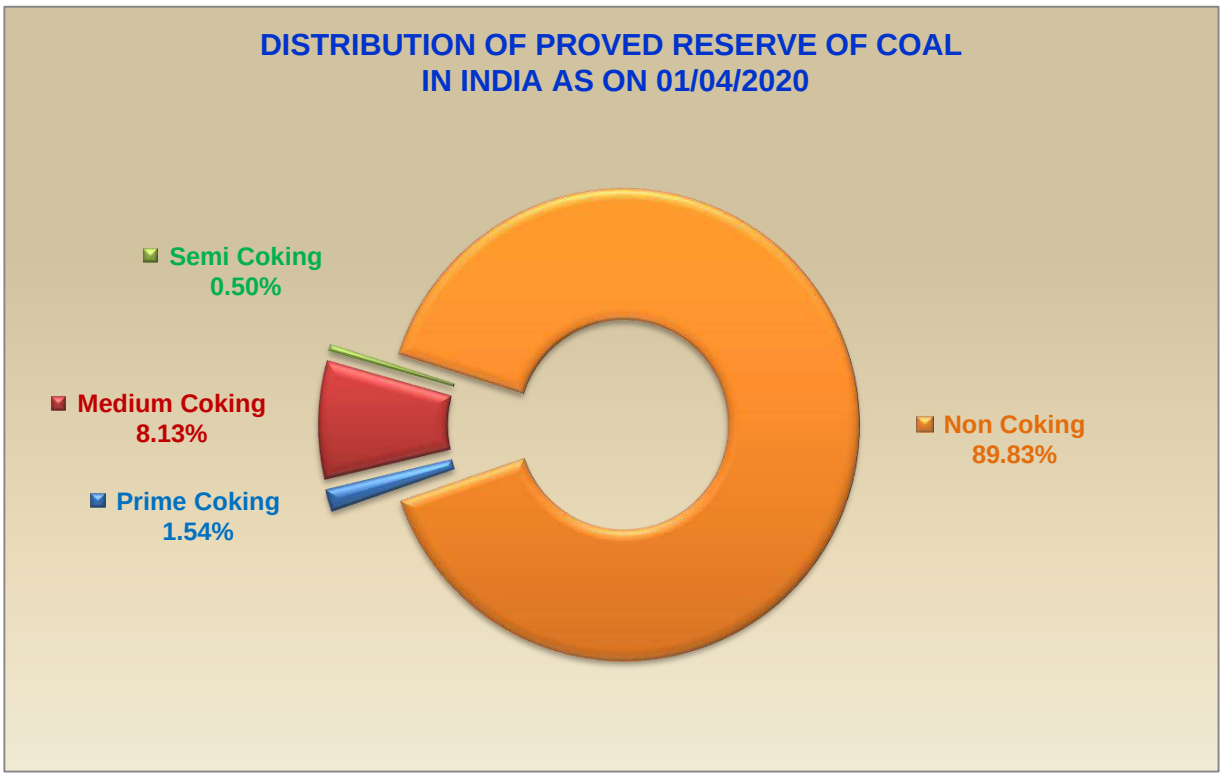

Ch. 2.4: STATE WISE GEOLOGICAL RESERVE OF INDIAN COAL IN TERTIARY COALFIELDS AS ON 01/04/2020
Proved
Indicated
Inferred
Reserves (In Million Tonnes)
600
500
400
300
200
100
0
31
40
19
465
43
3
89
17
471
9
22
415
Arunachal Pradesh
Assam
Meghalaya
Nagaland
States

TABLE - 2.1: INVENTORY OF GEOLOGICAL RESERVE OF COAL BY TYPE AS ON 1st APRIL 2018, 2019 & 2020

Type of Coal	As on	Reserve (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	*Total*
(1)	(2)	(3)	(4)	(5)	*(6)*
Prime Coking	01/04/2018	4,649	664	0.00	***5,313***
	01/04/2019	4,668	645	0.00	***5,313***
	01/04/2020	4,668	645	0.00	***5,313***
Medium Coking	01/04/2018	13,914	11,709	1,879	***27,502***
	01/04/2019	14,876	11,245	1,863	***27,984***
	01/04/2020	14,876	11,245	1,863	***27,984***
Blendable / Semi Coking	01/04/2018	519	995	193	***1,708***
	01/04/2019	519	995	193	***1,708***
	01/04/2020	519	995	193	***1,708***
Non Coking (Including High Sulphur)	01/04/2018	1,29,705	1,25,796	28,996	***2,84,498***
	01/04/2019	1,35,552	1,27,615	28,325	***2,91,492***
	01/04/2020	1,43,398	1,37,507	28,112	***3,09,017***
Total	***01/04/2018 ****	***1,48,787***	***1,39,164***	***31,069***	***3,19,020***
Total	***01/04/2019 ****	***1,55,614***	***1,40,501***	***30,381***	***3,26,496***
Total	***01/04/2020 ****	***1,63,461***	***1,50,392***	***30,168***	***3,44,021***



**** Including Sikkim***

Source: Geological Survey of India

TABLE - 2.2: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2018, 2019 & 2020

(Quantity in Million Tonnes)

State	As on	Resources			
		Proved	Indicated	Inferred	*Total*
(1)	(2)	(3)	(4)	(5)	*(6)*
GONDAWANA COALFIELDS					
Assam	1/4/2018	0	14	0	***14***
	1/4/2019	0	14	0	***14***
	1/4/2020	0	14	0	***14***
Andhra Pradesh	1/4/2018	0	1,149	432	***1,581***
	1/4/2019	97	1,078	432	***1,607***
	1/4/2020	97	1,078	432	***1,607***
Jharkhand	1/4/2018	45,563	31,439	6,150	***83,152***
	1/4/2019	48,032	30,400	6,074	***84,506***
	1/4/2020	49,469	30,284	5,850	***85,602***
Bihar	1/4/2018	161	813	392	***1,367***
	1/4/2019	310	1,513	11	***1,834***
	1/4/2020	310	2,431	11	***2,751***
Madhya Pradesh	1/4/2018	11,958	12,154	3,875	***27,987***
	1/4/2019	12,182	12,736	3,875	***28,793***
	1/4/2020	12,597	12,888	3,799	***29,285***
Chhattisgarh	1/4/2018	20,428	34,576	2,202	***57,206***
	1/4/2019	21,446	36,260	2,202	***59,908***
	1/4/2020	24,985	42,368	2,079	***69,432***
Maharashtra	1/4/2018	7,178	3,074	2,048	***12,299***
	1/4/2019	7,573	3,257	1,847	***12,677***
	1/4/2020	7,624	3,257	1,847	***12,728***
Odisha	1/4/2018	37,391	34,165	7,739	***79,295***
	1/4/2019	39,654	33,473	7,713	***80,840***
	1/4/2020	40,872	36,067	7,713	***84,652***
Sikkim	1/4/2018	0	58	43	***101***
	1/4/2019	0	58	43	***101***
	1/4/2020	0	58	43	***101***
Uttar Pradesh	1/4/2018	884	178	0	***1,062***
	1/4/2019	884	178	0	***1,062***
	1/4/2020	884	178	0	***1,062***
Telangana	1/4/2018	10,475	8,576	2,651	***21,702***
	1/4/2019	10,622	8,565	2,652	***21,839***
	1/4/2020	10,841	8,521	2,863	***22,225***
West Bengal	1/4/2018	14,156	12,869	4,643	***31,667***
	1/4/2019	14,219	12,847	4,624	***31,690***
	1/4/2020	15,189	13,125	4,623	***32,937***
Gondwana	***1/4/2018***	***148194***	***139065***	***30174***	***317433***
	1/4/2019	***155021***	***140379***	***29472***	***324872***
	1/4/2020	***162867***	***150271***	***29259***	***342397***

State	As on	Resources			
		Proved	Indicated	Inferred	*Total*
(1)	(2)	(3)	(4)	(5)	*(6)*
TERTIARY COAL FIELDS					
Arunachal Pradesh	1/4/2018	31	40	19	***90***
	1/4/2019	31	40	19	***90***
	1/4/2020	31	40	19	***90***
Assam	1/4/2018	465	43	3	***511***
	1/4/2019	465	43	3	***511***
	1/4/2020	465	43	3	***511***
Meghalaya	1/4/2018	89	17	471	***576***
	1/4/2019	89	17	471	***576***
	1/4/2020	89	17	471	***576***
Nagaland	1/4/2018	9	0	401	***410***
	1/4/2019	9	22	415	***446***
	1/4/2020	9	22	415	***446***
Tertiary	1/4/2018	594	99	895	***1,588***
	1/4/2019	594	121	908	***1,623***
	1/4/2020	594	121	908	***1,623***
INDIA	***1/4/2018***	***1,48,787***	***1,39,164***	***31,069***	***3,19,020***
	1/4/2019	***1,55,614***	***1,40,501***	***30,380***	***3,26,495***
	1/4/2020	***1,63,461***	***1,50,392***	***30,168***	***3,44,021***

Gondawana coalfield, not considered in Tertiary coalfields.

Source: Geological Survey of India

Data may not add up to respective total due to rounding off.

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL AS ON 01-04-2020

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
West Bengal	Raniganj	Medium Coking	0-300	202.89	0.00	0.00	**202.89**
		Medium Coking	300-600	72.66	0.00	0.00	**72.66**
		Medium Coking	600-1200	274.87	0.00	0.00	**274.87**
		Semi Coking	0-300	45.78	14.16	0.00	**59.94**
		Semi Coking	300-600	120.92	113.23	12.07	**246.22**
		Semi Coking	600-1200	58.63	296.29	127.69	**482.61**
		Non Coking	0-300	10320.37	1581.83	194.31	**12096.51**
		Non Coking	300-600	3359.25	3236.59	1880.44	**8476.28**
		Non Coking	600-1200	315.38	1852.19	1491.88	**3659.45**
		TOTAL		***14770.75***	***7094.29***	***3706.39***	***25571.43***
	Barjora	Non Coking	0-300	200.79	0.00	0.00	**200.79**
	Birbhum	Non Coking	0-300	153.84	702.32	123.53	**979.69**
		Non Coking	300-600	63.87	4131.32	603.76	**4798.95**
		Non Coking	600-1200	0.00	1197.38	174.05	**1371.43**
		TOTAL		***217.71***	***6031.02***	***901.34***	***7150.07***
	Darjeeling	Non Coking	0-300	0.00	0.00	15.00	**15.00**
West Bengal	***Total***	***Medium Coking***	***0-1200***	***550.42***	***0.00***	***0.00***	***550.42***
West Bengal	***Total***	***Semi Coking***	***0-1200***	***225.33***	***423.68***	***139.76***	***788.77***
West Bengal	***Total***	***Non Coking***	***0-1200***	***14413.50***	***12701.63***	***4482.97***	***31598.10***
West Bengal	***Total***	***ALL***	***0-1200***	***15189.25***	***13125.31***	***4622.73***	***32937.29***
Jharkhand	Raniganj	Medium Coking	0-300	220.00	8.87	0.00	**228.87**
		Medium Coking	300-600	49.23	8.30	0.00	**57.53**
		Semi Coking	0-300	51.40	0.00	0.00	**51.40**
		Semi Coking	300-600	0.00	40.00	0.00	**40.00**
		Non Coking	0-300	1111.53	89.32	29.55	**1230.40**
		Non Coking	300-600	106.03	320.07	2.00	**428.10**
		TOTAL		***1538.19***	***466.56***	***31.55***	***2036.30***
	Jharia	Prime Coking	0-600	4054.27	4.01	0.00	**4058.28**
		Prime Coking	600-1200	613.48	641.30	0.00	**1254.78**
		Medium Coking	0-600	4344.69	1.57	0.00	**4346.26**
		Medium Coking	600-1200	1116.61	801.70	0.00	**1918.31**
		Non Coking	0-600	5657.14	444.86	0.00	**6102.00**
		Non Coking	600-1200	496.00	1355.00	0.00	**1851.00**
		TOTAL		***16282.19***	***3248.44***	***0.00***	***19530.63***
	East Bokaro	Medium Coking	0-300	2729.99	1277.90	18.71	**4026.60**
		Medium Coking	300-600	407.44	1188.33	58.53	**1654.30**
		Medium Coking	600-1200	255.93	1394.07	786.08	**2436.08**
		Non Coking	0-300	95.17	56.81	0.00	**151.98**
		Non Coking	300-600	8.90	5.69	0.00	**14.59**
		TOTAL		***3497.43***	***3922.80***	***863.32***	***8283.55***

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL AS ON 01-04-2020

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Jharkhand	West Bokaro	Medium Coking	0-300	3056.42	1076.78	17.05	**4150.25**
		Medium Coking	300-600	524.08	160.94	0.00	**685.02**
		Non Coking	0-300	316.57	21.80	0.00	**338.37**
		Non Coking	300-600	25.68	19.07	0.00	**44.75**
		TOTAL		***3922.75***	***1278.59***	***17.05***	***5218.39***
	Ramgarh	Medium Coking	0-300	728.92	155.23	0.00	**884.15**
		Medium Coking	300-600	28.66	298.79	0.00	**327.45**
		Semi Coking	0-300	171.94	95.33	0.55	**267.82**
		Semi Coking	300-600	0.00	336.22	52.90	**389.12**
		Non Coking	0-300	7.13	26.20	4.60	**37.93**
		TOTAL		***936.65***	***911.77***	***58.05***	***1906.47***
	North Karanpura	Medium Coking	0-300	485.08	1163.22	0.00	**1648.30**
		Medium Coking	300-600	23.59	1635.92	413.43	**2072.94**
		Non Coking	0-300	8957.62	2250.60	722.03	**11930.25**
		Non Coking	300-600	1142.73	1123.53	729.50	**2995.76**
		Non Coking	600-1200	90.74	0.00	0.00	**90.74**
		TOTAL		***10699.76***	***6173.27***	***1864.96***	***18737.99***
	South Karanpura	Medium Coking	300-600	0.00	248.04	32.83	**280.87**
		Medium Coking	600-1200	0.00	265.36	263.40	**528.76**
		Non Coking	0-300	3240.77	379.03	262.40	**3882.20**
		Non Coking	300-600	1372.92	376.32	584.65	**2333.89**
		Non Coking	600-1200	562.39	43.53	0.00	**605.92**
		TOTAL		***5176.08***	***1312.28***	***1143.28***	***7631.64***
	Aurangabad	Non Coking	0-300	352.05	1241.22	43.07	**1636.34**
		Non Coking	300-600	0.00	867.01	423.07	**1290.08**
		Non Coking	600-1200	0.00	33.42	37.27	**70.69**
		TOTAL		***352.05***	***2141.65***	***503.41***	***2997.11***
	Hutar	Non Coking	0-300	190.79	14.22	32.48	**237.49**
		Non Coking	300-600	0.00	12.33	0.00	**12.33**
		TOTAL		***190.79***	***26.55***	***32.48***	***249.82***
	Daltongunj	Non Coking	0-300	83.86	60.10	0.00	**143.96**
		TOTAL		***83.86***	***60.10***	***0.00***	***143.96***
	Deogarh	Non Coking	0-300	326.24	73.60	0.00	**399.84**
		TOTAL		***326.24***	***73.60***	***0.00***	***399.84***
	Rajmahal	Non Coking	0-300	5741.60	6800.91	462.04	**13004.55**
		Non Coking	300-600	721.00	3836.82	868.47	**5426.29**
		Non Coking	600-1200	0.00	30.46	5.10	**35.56**
		TOTAL		***6462.60***	***10668.19***	***1335.61***	***18466.40***
Jharkhand	***Total***	***Prime Coking***	***0-1200***	***4667.75***	***645.31***	***0.00***	***5313.06***
Jharkhand	***Total***	***Medium Coking***	***0-1200***	***13970.64***	***9685.02***	***1590.03***	***25245.69***
Jharkhand	***Total***	***Semi Coking***	***0-1200***	***223.34***	***471.55***	***53.45***	***748.34***
Jharkhand	***Total***	***Non Coking***	***0-1200***	***30606.86***	***19481.92***	***4206.23***	***54295.01***
Jharkhand	***Total***	***ALL***	***0-1200***	***49468.59***	***30283.80***	***5849.71***	***85602.10***

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Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL AS ON 01-04-2020

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Bihar	Rajmahal	Non Coking	0-300	309.53	759.88	11.30	**1080.71**
		Non Coking	300-600	0.00	1173.38	0.00	**1173.38**
		Non Coking	600-1200	0.00	497.32	0.00	**497.32**
Bihar	***Total***	***Non Coking***	***0-1200***	***309.53***	***2430.58***	***11.30***	***2751.41***
Madhya Pradesh	Johilla	Non Coking	0-300	185.08	104.09	32.83	**322.00**
	Umaria	Non Coking	0-300	177.70	3.59	0.00	**181.29**
	Pench-Kanhan	Medium Coking	0-300	67.54	263.11	16.41	**347.06**
		Medium Coking	300-600	40.29	136.90	142.17	**319.36**
		Non Coking	0-300	1134.04	218.52	173.49	**1526.05**
		Non Coking	300-600	294.99	373.40	767.83	**1436.22**
		Non Coking	600-1200	0.00	0.00	66.46	**66.46**
		TOTAL		***1536.86***	***991.93***	***1166.36***	***3695.15***
	Pathakhera	Non Coking	0-300	261.08	51.70	0.00	**312.78**
		Non Coking	300-600	29.72	36.43	68.00	**134.15**
		TOTAL	***0-600***	***290.80***	***88.13***	***68.00***	***446.93***
	Gurgunda	Non Coking	0-300	0.00	72.54	2.25	**74.79**
		Non Coking	300-600	0.00	12.38	44.98	**57.36**
		Non Coking	600-1200	0.00	0.00	6.16	**6.16**
		TOTAL		***0.00***	***84.92***	***53.39***	***138.31***
	Mohpani	Non Coking	0-300	7.83	0.00	0.00	**7.83**
	Sohagpur	Medium Coking	0-300	184.57	211.38	2.01	**397.96**
		Medium Coking	300-600	62.09	866.78	90.54	**1019.41**
		Medium Coking	600-1200	0.00	81.94	21.70	**103.64**
		Non Coking	0-300	1818.82	2806.72	169.60	**4795.14**
		Non Coking	300-600	63.70	1658.82	9.62	**1732.14**
		Non Coking	600-1200	0.00	33.61	0.00	**33.61**
		TOTAL		***2129.18***	***5659.25***	***293.47***	***8081.90***
	Singrauli	Non Coking	0-300	6007.05	2420.84	1131.36	**9559.25**
		Non Coking	300-600	2251.94	3284.62	943.50	**6480.06**
		Non Coking	600-1200	10.81	251.02	110.40	**372.23**
		TOTAL		***8269.80***	***5956.48***	***2185.26***	***16411.54***
Madhya Pradesh	***Total***	***Medium Coking***	***0-1200***	***354.49***	***1560.11***	***272.83***	***2187.43***
Madhya Pradesh	***Total***	***Non Coking***	***0-1200***	***12242.76***	***11328.28***	***3526.48***	***27097.52***
Madhya Pradesh	***Total***	***ALL***	***0-1200***	***12597.25***	***12888.39***	***3799.31***	***29284.95***

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL AS ON 01-04-2020

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Chhattisgarh	Sohagpur	Non Coking	0-300	94.30	10.08	0.00	**104.38**
	Sonhat	Semi Coking	0-300	70.77	16.45	0.00	**87.22**
		Semi Coking	300-600	0.00	82.80	0.00	**82.80**
		Non Coking	0-300	200.49	842.18	0.00	**1042.67**
		Non Coking	300-600	93.57	793.53	1.89	**888.99**
		Non Coking	600-1200	0.00	568.85	0.00	**568.85**
		TOTAL		***364.83***	***2303.81***	***1.89***	***2670.53***
	Jhilimili	Non Coking	0-300	228.20	38.90	0.00	**267.10**
	Chirimiri	Non Coking	0-300	320.33	10.83	31.00	**362.16**
	Bisrampur	Non Coking	0-300	1731.63	695.91	5.15	**2432.69**
		Non Coking	300-600	3.00	0.00	0.00	**3.00**
		TOTAL		***1734.63***	***695.91***	***5.15***	***2435.69***
	East Bisrampur	Non Coking	0-300	0.00	164.82	0.00	**164.82**
	Lakhanpur	Non Coking	0-300	455.88	3.35	0.00	**459.23**
	Panchbahini	Non Coking	0-300	0.00	11.00	0.00	**11.00**
	Hasdeo-Arand	Non Coking	0-300	2021.84	3213.44	220.15	**5455.43**
		Non Coking	300-600	10.44	59.98	2.97	**73.39**
		TOTAL		***2032.28***	***3273.42***	***223.12***	***5528.82***
	Sendurgarh	Non Coking	0-300	152.89	126.32	0.00	**279.21**
	Korba	Non Coking	0-300	5266.34	3491.50	99.91	**8857.75**
		Non Coking	300-600	610.92	2292.20	68.11	**2971.23**
		TOTAL		***5877.26***	***5783.70***	***168.02***	***11828.98***
	Mand-Raigarh	Non Coking	0-300	9923.99	12298.51	1034.26	**23256.76**
		Non Coking	300-600	2806.18	11870.98	511.59	**15188.75**
		Non Coking	600-1200	87.67	2869.47	0.00	**2957.14**
		TOTAL		***12817.84***	***27038.96***	***1545.85***	***41402.65***
	Tatapani-Ramkola	Non Coking	0-300	403.63	954.78	13.70	**1372.11**
		Non Coking	300-600	492.66	1414.87	90.41	**1997.94**
		Non Coking	600-1200	10.13	537.08	0.00	**547.21**
		TOTAL		***906.42***	***2906.73***	***104.11***	***3917.26***
Chhattisgarh	***Total***	***Semi Coking***	***0-1200***	***70.77***	***99.25***	***0.00***	***170.02***
Chhattisgarh	***Total***	***Non Coking***	***0-1200***	***24914.09***	***42268.58***	***2079.14***	***69261.81***
Chhattisgarh	***Total***	***ALL***	***0-1200***	***24984.86***	***42367.83***	***2079.14***	***69431.83***

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL AS ON 01-04-2020

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Uttar Pradesh	Singrauli	Non Coking	0-300	884.04	177.76	0.00	**1061.80**
Uttar Pradesh	***Total***	***Non Coking***	***0-1200***	**884.04**	**177.76**	**0.00**	1061.80
Uttar Pradesh	***Total***	***ALL***	***0-1200***	***884.04***	***177.76***	***0.00***	***1061.80***
Maharashtra	Wardha-Valley	Non Coking	0-300	4283.79	757.95	267.94	**5309.68**
		Non Coking	300-600	283.86	934.74	1146.05	**2364.65**
		Non Coking	600-1200	0.00	30.58	26.99	**57.57**
		TOTAL		***4567.65***	***1723.27***	***1440.98***	***7731.90***
	Kamptee	Non Coking	0-300	1492.03	387.19	28.73	**1907.95**
		Non Coking	300-600	494.50	478.38	48.20	**1021.08**
		Non Coking	600-1200	59.71	72.34	30.28	**162.33**
		TOTAL		***2046.24***	***937.91***	***107.21***	***3091.36***
	Umrer Makardhokra	Non Coking	0-300	308.41	0.00	65.53	**373.94**
		Non Coking	300-600	0.00	0.00	83.22	**83.22**
		Non Coking	600-1200	0.00	0.00	11.95	**11.95**
		TOTAL		***308.41***	***0.00***	***160.70***	***469.11***
	Nand Bander	Non Coking	0-300	446.81	348.01	102.06	**896.88**
		Non Coking	300-600	244.63	227.38	15.58	**487.59**
		Non Coking	600-1200	0.00	20.80	0.06	**20.86**
		TOTAL		***691.44***	***596.19***	***117.70***	***1405.33***
	Bokhara	Non Coking	0-300	10.00	0.00	20.00	**30.00**
Maharashtra	***Total***	***Non Coking***	***0-1200***	***7623.74***	***3257.37***	***1846.59***	**12727.70**
Maharashtra	***Total***	***ALL***	***0-1200***	***7623.74***	***3257.37***	***1846.59***	***12727.70***
Maharashtra							
Odisha	Ib-River	Non Coking	0-300	12332.90	5256.65	0.00	**17589.55**
		Non Coking	300-600	3022.04	6010.22	3610.53	**12642.79**
		Non Coking	600-1200	0.97	1868.43	0.00	**1869.40**
		TOTAL		***15355.91***	***13135.30***	***3610.53***	***32101.74***
	Talcher	Non Coking	0-300	21531.12	9262.93	2549.82	**33343.87**
		Non Coking	300-600	3749.29	12275.05	1083.56	**17107.90**
		Non Coking	600-1200	235.45	1393.89	469.21	**2098.55**
		TOTAL		***25515.86***	***22931.87***	***4102.59***	***52550.32***
Odisha	***Total***	***Non Coking***	***0-1200***	***40871.77***	***36067.17***	***7713.12***	**84652.06**
Odisha	***Total***	***ALL***	***0-1200***	***40871.77***	***36067.17***	***7713.12***	***84652.06***
Andhra Pradesh	Godavari Valley	Non Coking	0-300	87.38	419.49	45.03	**551.90**
		Non Coking	300-600	9.74	577.08	107.75	**694.57**
		Non Coking	600-1200	0.00	81.87	278.87	**360.74**
		TOTAL	***0-1200***	***97.12***	***1078.44***	***431.65***	***1607.21***
Andhra Pradesh	***Total***	***Non Coking***	***0-1200***	***97.12***	***1078.44***	***431.65***	1607.21
Andhra Pradesh	***Total***	***ALL***	***0-1200***	***97.12***	***1078.44***	***431.65***	***1607.21***

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL AS ON 01-04-2020

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Telangana	Godavari Valley	Non Coking	0-300	6482.69	3039.90	222.28	**9744.87**
		Non Coking	300-600	4096.55	4064.69	518.08	**8679.32**
		Non Coking	600-1200	261.64	1416.81	2122.48	**3800.93**
		TOTAL	***0-1200***	***10840.88***	***8521.40***	***2862.84***	***22225.12***
Telangana	***Total***	***Non Coking***	***0-1200***	***10840.88***	***8521.40***	***2862.84***	22225.12
Telangana	***Total***	***ALL***	***0-1200***	***10840.88***	***8521.40***	***2862.84***	***22225.12***
Sikkim	Rangit Valley	Non Coking	0-300	0.00	58.25	42.98	**101.23**
Sikkim	***Total***	***Non Coking***	***0-1200***	***0.00***	***58.25***	***42.98***	***101.23***
Assam	Singrimari	Semi Coking	0-300	0.00	0.39	0.00	**0.39**
		Non Coking	0-300	0.00	10.64	0.00	**10.64**
		Non Coking	300-600	0.00	3.46	0.00	**3.46**
		Non Coking	600-1200	0.00	0.00	0.00	**0.00**
		TOTAL		**0.00**	**14.49**	**0.00**	14.49
	Makum	High Sulphur	0-300	246.24	4.55	0.00	**250.79**
		High Sulphur	300-600	185.85	16.15	0.00	**202.00**
		TOTAL		***432.09***	***20.70***	***0.00***	***452.79***
	Dilli-Jeypore	High Sulphur	0-300	32.00	22.02	0.00	**54.02**
	Mikir Hills	High Sulphur	0-300	0.69	0.00	3.02	**3.71**
Assam	***Total***	***Semi Coking***	***0-1200***	***0.00***	***0.39***	***0.00***	0.39
Assam	***Total***	***Non Coking***	***0-1200***	***0.00***	***14.10***	***0.00***	14.10
Assam	***Total***	***High Sulphur***	***0-1200***	***464.78***	***42.72***	***3.02***	510.52
Assam	***Total***	***ALL***	***0-1200***	***464.78***	***57.21***	***3.02***	525.01
Arunachal Pradesh	Namchik-Namphuk	High Sulphur	0-300	31.23	40.11	12.89	**84.23**
	Miao Bum	High Sulphur	0-300	0.00	0.00	6.00	**6.00**
Arunachal Pradesh	***Total***	***High Sulphur***	***0-1200***	***31.23***	***40.11***	***18.89***	90.23
	Total	***ALL***	***0-1200***	***31.23***	***40.11***	***18.89***	***90.23***
Meghalaya	West-Darangiri	High Sulphur	0-300	65.40	0.00	59.60	**125.00**
	East Darangiri	High Sulphur	0-300	0.00	0.00	34.19	**34.19**
	Balphakram-Pendenguru	High Sulphur	0-300	0.00	0.00	107.03	**107.03**
	Siju	High Sulphur	0-300	0.00	0.00	125.00	**125.00**
	Langrin	High Sulphur	0-300	10.46	16.51	106.19	**133.16**
	Mawlong Shelia	High Sulphur	0-300	2.17	0.00	3.83	**6.00**

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL AS ON 01-04-2020

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	**(8)**
	Khasi Hills	High Sulphur	0-300	0.00	0.00	10.10	**10.10**
	Bapung	High Sulphur	0-300	11.01	0.00	22.65	**33.66**
	Jayanti Hill	High Sulphur	0-300	0.00	0.00	2.34	**2.34**
Meghalaya	***Total***	***High Sulphur***	***0-1200***	***89.04***	***16.51***	***470.93***	**576.48**
Meghalaya	***Total***	***ALL***	***0-1200***	***89.04***	***16.51***	***470.93***	***576.48***
Nagaland	Borjan	High Sulphur	0-300	5.50	0.00	4.50	**10.00**
	Jhanzi-Disai	High Sulphur	0-300	2.00	21.83	109.26	**133.09**
	Tiensang	High Sulphur	0-300	1.26	0.00	2.00	**3.26**
	Tiru Valley	High Sulphur	0-300	0.00	0.00	6.60	**6.60**
	Dgm	High Sulphur	0-300	0.00	0.00	293.47	**293.47**
Nagaland	***Total***	***High Sulphur***	***0-1200***	***8.76***	***21.83***	***415.83***	***446.42***
Nagaland	***Total***	***ALL***	***0-1200***	***8.76***	***21.83***	***415.83***	***446.42***
INDIA	***Total***	***Prime Coking***	***0-1200***	***4667.75***	***645.31***	***0.00***	***5313.06***
INDIA	***Total***	***Medium Coking***	***0-1200***	***14875.55***	***11245.13***	***1862.86***	***27983.54***
INDIA	***Total***	***Semi Coking***	***0-1200***	***519.44***	***994.87***	***193.21***	***1707.52***
INDIA	***Total***	***Non Coking***	***0-1200***	***142804.29***	***137385.48***	***27203.30***	***307393.07***
INDIA	***Total***	***High Sulphur***	***0-1200***	***593.81***	***121.17***	***908.67***	***1623.65***
INDIA	***Total***		***0-1200***	***163460.84***	***150391.96***	***30168.04***	***344020.84***
INDIA	***Total for Tertiary Coalfields***		***0-1200***	***593.81***	***121.17***	***908.67***	***1623.65***
INDIA	***Total for Gondwana Coalfields****		***0-1200***	***162867.03***	***150270.79***	***29259.37***	***342397.19***
INDIA	***GRAND TOTAL***		***0-1200***	***163460.84***	***150391.96***	***30168.04***	***344020.84***

** Including Sikkim*

Source: Geological Survey of India

TABLE 2.4: COAL RESERVE BY TYPE OF COAL AND DEPTH AS ON 01-04-2020

State	Field	Type of Coal	Depth (Metre)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	*Total*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	***(8)***
INDIA	*TOTAL (Jharia)*	Prime Coking	0-600	4054.27	4.01	0.00	***4058.28***
INDIA	*TOTAL (Jharia)*	Prime Coking	600-1200	613.48	641.30	0.00	***1254.78***
INDIA	*TOTAL (Other than Jharia)*	Medium Coking	0-300	7675.41	4156.49	54.18	***11886.08***
INDIA	*TOTAL (Other than Jharia)*	Medium Coking	300-600	1208.04	4544.00	737.50	***6489.54***
INDIA	*TOTAL (Jharia)*	Medium Coking	0-600	4344.69	1.57	0.00	***4346.26***
INDIA	*TOTAL*	Medium Coking	600-1200	1647.41	2543.07	1071.18	***5261.66***
INDIA	*TOTAL*	Semi Coking	0-300	339.89	126.33	0.55	***466.77***
INDIA	*TOTAL*	Semi Coking	300-600	120.92	572.25	64.97	***758.14***
INDIA	*TOTAL*	Semi Coking	600-1200	58.63	296.29	127.69	***482.61***
INDIA	*TOTAL*	High Sulphur	0-300	407.96	105.02	908.67	***1421.65***
INDIA	*TOTAL*	High Sulphur	300-600	185.85	16.15	0.00	***202.00***
INDIA	*TOTAL (Other than Jharia)*	Non Coking	0-300	109658.15	61316.23	8158.38	***179132.76***
INDIA	*TOTAL (Other than Jharia)*	Non Coking	300-600	25358.11	61470.34	14213.76	***101042.21***
INDIA	*TOTAL (Jharia)*	Non Coking	0-600	5657.14	444.86	0.00	***6102.00***
INDIA	*TOTAL*	Non Coking	600-1200	2130.89	14154.05	4831.16	***21116.10***
INDIA	***TOTAL***	***Grand Total***	***0-1200***	***163460.84***	***150391.96***	***30168.04***	***344020.84***

Source: Data compiled by Geological Survey of India based on survey results available from GSI, Central Mine Planning and Design Institute, Singareni Collieries Company Limited.

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA AS ON 01-04-2020

(Quantity in Million Tonnes)

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	0.00	**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	0.00	**3236.59**	1880.44	**8476.28**
	600-1200	13.19	84.72	121.60	77.62	18.25	0.00	**315.38**	152.85	367.36	529.11	419.95	382.92	0.00	**1852.19**	1491.88	**3659.45**
	0-1200	138.84	2278.58	4368.66	3814.42	3390.76	3.74	**13995.00**	230.56	1225.69	2171.34	1513.84	1529.18	0.00	**6670.61**	3566.63	**24232.24**
Barjora	0-300	0.00	0.00	0.00	0.34	200.45	0.00	**200.79**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	**200.79**
Birbhum	0-300	0.00	0.29	2.25	47.53	101.39	2.38	**153.84**	1.28	0.00	31.04	152.27	517.73	0.00	**702.32**	123.53	**979.69**
	300-600	0.00	0.24	4.94	25.94	32.44	0.31	**63.87**	0.00	49.83	1125.07	714.60	2237.84	3.98	**4131.32**	603.76	**4798.95**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	18.60	296.17	528.37	354.24	0.00	**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	1395.24	3109.81	3.98	**6031.02**	901.34	**7150.07**
Darjeeling	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	15.00	**15.00**
Total		**138.84**	**2279.11**	**4375.85**	**3888.23**	**3725.04**	**6.43**	**14413.50**	**231.84**	**1294.12**	**3623.62**	**2909.08**	**4638.99**	**3.98**	**12701.63**	**4482.97**	**31598.10**
Jharkhand																	
Raniganj	0-300	0.00	3.04	51.03	190.45	867.01	0.00	**1111.53**	0.00	0.00	0.00	0.72	88.60	0.00	**89.32**	29.55	**1230.40**
	300-600	0.00	0.00	0.00	20.63	85.40	0.00	**106.03**	0.00	0.00	0.00	142.07	178.00	0.00	**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	0.00	**5657.14**	6.08	2.27	0.99	7.60	427.92	0.00	**444.86**	0.00	**6102.00**
	600-1200	5.64	3.42	6.50	35.95	444.49	0.00	**496.00**	15.41	9.34	17.76	98.21	1214.28	0.00	**1355.00**	0.00	**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	0-300	0.00	0.11	3.15	13.61	78.30	0.00	**95.17**	0.00	7.76	7.77	19.82	21.46	0.00	**56.81**	0.00	**151.98**
Bokaro	300-600	0.00	0.00	0.30	1.55	7.05	0.00	**8.90**	0.00	0.40	0.40	1.61	3.28	0.00	**5.69**	0.00	**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	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	0.00	**21.80**	0.00	**338.37**
Bokaro	300-600	0.00	0.51	2.66	10.12	12.39	0.00	**25.68**	0.00	0.25	1.81	7.11	9.89	0.01	**19.07**	0.00	**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	0.00	0.00	0.00	3.50	3.63	0.00	**7.13**	0.00	0.00	0.00	13.10	13.10	0.00	**26.20**	4.60	**37.93**
North	0-300	31.01	51.97	140.06	1016.55	7683.54	34.49	**8957.62**	6.56	1.42	4.61	316.73	1915.01	6.27	**2250.60**	722.03	**11930.25**
Karanpura	300-600	0.11	2.34	21.04	235.66	881.59	1.99	**1142.73**	0.00	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	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	**90.74**
	0-1200	31.14	54.54	162.29	1265.12	8641.37	36.63	**10191.09**	6.56	4.28	7.54	758.10	2591.22	6.43	**3374.13**	1451.53	**15016.75**
South	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	0.00	**379.03**	262.40	**3882.20**
Karanpura	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	0.00	**376.32**	584.65	**2333.89**
	600-1200	1.17	69.45	176.24	258.30	57.21	0.02	**562.39**	0.00	0.00	7.53	9.35	26.65	0.00	**43.53**	0.00	**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	0.00	0.00	0.00	0.04	352.01	0.00	**352.05**	0.00	8.04	11.03	134.71	1087.44	0.00	**1241.22**	43.07	**1636.34**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	22.33	95.19	749.49	0.00	**867.01**	423.07	**1290.08**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	14.74	18.68	0.00	**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	0.00	**190.79**	4.22	5.00	5.00	0.00	0.00	0.00	**14.22**	32.48	**237.49**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	3.17	3.83	3.83	0.72	0.78	0.00	**12.33**	0.00	**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	0.00	**83.86**	7.14	14.28	20.71	2.86	15.11	0.00	**60.10**	0.00	**143.96**
Deogarh	0-300	0.87	25.19	70.81	90.03	139.34	0.00	**326.24**	0.20	5.68	15.97	20.31	31.44	0.00	**73.60**	0.00	**399.84**
Rajmahal	0-300	0.00	0.69	54.84	263.65	5348.41	74.01	**5741.60**	0.34	27.73	331.51	1660.79	4745.07	35.47	**6800.91**	462.04	**13004.55**
	300-600	0.00	0.00	3.82	35.60	664.42	17.16	**721.00**	0.00	30.45	391.86	1251.38	2130.96	32.17	**3836.82**	868.47	**5426.29**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.71	29.75	0.00	**30.46**	5.10	**35.56**
	0-1200	0.00	0.69	58.66	299.25	6012.83	91.17	**6462.60**	0.34	58.18	723.37	2912.88	6905.78	67.64	**10668.19**	1335.61	**18466.40**
Total		**302.36**	**537.05**	**1230.02**	**4149.05**	**24259.28**	**129.10**	**30606.86**	**43.58**	**195.67**	**978.50**	**4503.37**	**13686.72**	**74.08**	**19481.92**	**4206.23**	**54295.01**
Bihar																	
Rajmahal	0-300	0.00	0.00	0.00	0.00	291.08	18.45	**309.53**	0.00	0.00	0.00	69.09	606.96	83.83	**759.88**	11.30	**1080.71**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	1.37	44.63	223.95	832.85	70.58	**1173.38**	0.00	**1173.38**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	4.25	22.25	50.08	390.15	30.59	**497.32**	0.00	**497.32**
	0-1200	0.00	0.00	0.00	0.00	291.08	18.45	**309.53**	0.00	5.62	66.88	343.12	1829.96	185.00	**2430.58**	11.30	**2751.41**
Total		**0.00**	**0.00**	**0.00**	**0.00**	**291.08**	**18.45**	**309.53**	**0.00**	**5.62**	**66.88**	**343.12**	**1829.96**	**185.00**	**2430.58**	**11.30**	**2751.41**

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TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA AS ON 01-04-2020

(Quantity in Million Tonnes)

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)
Madhya Pradesh																	
Johilla	0-300	0.31	36.17	70.29	44.33	33.98	0.00	**185.08**	0.00	32.52	32.59	17.25	21.73	0.00	**104.09**	32.83	**322.00**
Umaria	0-300	0.50	11.63	39.02	59.69	66.86	0.00	**177.70**	0.11	0.49	1.02	1.36	0.61	0.00	**3.59**	0.00	**181.29**
Pench-	0-300	53.94	154.42	295.20	295.13	335.31	0.04	**1134.04**	14.57	35.92	56.15	78.88	33.00	0.00	**218.52**	173.49	**1526.05**
Kanhan	300-600	17.63	42.06	70.22	82.78	82.30	0.00	**294.99**	27.57	96.43	133.49	36.90	74.52	4.49	**373.40**	767.83	**1436.22**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	66.46	**66.46**
	0-1200	71.57	196.48	365.42	377.91	417.61	0.04	**1429.03**	42.14	132.35	189.64	115.78	107.52	4.49	**591.92**	1007.78	**3028.73**
Pathakhera	0-300	1.08	13.12	63.51	87.45	95.92	0.00	**261.08**	0.00	2.76	4.36	12.54	32.04	0.00	**51.70**	0.00	**312.78**
	300-600	0.00	0.22	4.73	13.63	11.14	0.00	**29.72**	0.00	0.00	2.72	14.68	19.03	0.00	**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	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.18	3.74	5.67	62.95	0.00	**72.54**	2.25	**74.79**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.52	0.50	0.24	11.12	0.00	**12.38**	44.98	**57.36**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	7.83	0.00	**7.83**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	**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	0.00	0.00	0.00	0.00	0.00	**0.00**	0.96	12.64	3.14	9.22	7.65	0.00	**33.61**	0.00	**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	95.85	801.99	1339.36	3745.73	19.04	**6007.05**	41.87	190.03	723.62	577.87	860.53	26.92	**2420.84**	1131.36	**9559.25**
	300-600	2.60	44.74	158.96	644.91	1388.97	11.76	**2251.94**	37.36	351.05	611.77	1095.34	1104.47	84.63	**3284.62**	943.50	**6480.06**
	600-1200	0.00	0.71	0.56	0.61	8.83	0.10	**10.81**	16.56	66.78	64.74	59.96	41.60	1.38	**251.02**	110.40	**372.23**
	0-1200	7.68	141.30	961.51	1984.88	5143.53	30.90	**8269.80**	95.79	607.86	1400.13	1733.17	2006.60	112.93	**5956.48**	2185.26	**16411.54**
Total		**195.83**	**665.96**	**1966.69**	**3010.51**	**6369.26**	**34.51**	**12242.76**	**367.69**	**1642.15**	**3033.81**	**2905.40**	**3253.44**	**125.79**	**11328.28**	**3526.48**	**27097.52**
Chhattisgarh																	
Sohagpur	0-300	23.20	35.40	29.02	4.92	1.76	0.00	**94.30**	0.43	1.28	6.99	0.96	0.42	0.00	**10.08**	0.00	**104.38**
Sonhat	0-300	25.77	50.66	25.08	21.83	71.87	5.28	**200.49**	0.00	8.46	38.10	266.81	528.81	0.00	**842.18**	0.00	**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	0.00	**793.53**	1.89	**888.99**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.10	46.09	105.85	176.77	240.04	0.00	**568.85**	0.00	**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	0.00	**228.20**	14.02	10.11	7.78	0.66	6.33	0.00	**38.90**	0.00	**267.10**
Chirimiri	0-300	66.14	116.11	116.09	11.00	10.99	0.00	**320.33**	0.76	5.04	5.03	0.00	0.00	0.00	**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	0.00	0.00	**3.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	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 Bisrampu	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	14.95	5.59	28.17	77.54	38.57	0.00	**164.82**	0.00	**164.82**
Lakhanpur	0-300	4.22	44.21	125.23	135.25	146.97	0.00	**455.88**	0.00	0.00	0.03	0.79	2.53	0.00	**3.35**	0.00	**459.23**
Panchbahini	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.01	6.60	1.73	2.66	0.00	**11.00**	0.00	**11.00**
Hasdo-Arand	0-300	1.36	18.41	100.95	360.57	1540.55	0.00	**2021.84**	61.42	151.19	634.46	1279.95	1086.42	0.00	**3213.44**	220.15	**5455.43**
	300-600	0.00	0.00	0.06	1.43	8.95	0.00	**10.44**	8.69	28.80	12.06	8.12	2.31	0.00	**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	0.00	**152.89**	11.57	51.22	30.77	19.27	13.49	0.00	**126.32**	0.00	**279.21**
Korba	0-300	223.01	110.08	148.96	255.05	4502.89	26.35	**5266.34**	38.15	32.95	114.86	126.29	3179.25	0.00	**3491.50**	99.91	**8857.75**
	300-600	10.00	0.00	0.00	6.26	591.88	2.78	**610.92**	7.50	0.00	39.81	372.77	1872.12	0.00	**2292.20**	68.11	**2971.23**
	0-600	233.01	110.08	148.96	261.31	5094.77	29.13	**5877.26**	45.65	32.95	154.67	499.06	5051.37	0.00	**5783.70**	168.02	**11828.98**
Mand-Raigarh	0-300	24.34	42.16	221.63	716.32	8724.13	195.41	**9923.99**	78.71	48.32	259.86	1744.58	9872.64	294.40	**12298.51**	1034.26	**23256.76**
	300-600	70.71	47.00	194.68	653.55	1795.76	44.48	**2806.18**	96.64	81.64	353.52	1485.10	9439.43	414.65	**11870.98**	511.59	**15188.75**
	600-1200	0.00	0.24	7.69	32.77	46.76	0.21	**87.67**	0.50	6.10	92.34	299.60	2444.86	26.07	**2869.47**	0.00	**2957.14**
	0-1200	95.05	89.40	424.00	1402.64	10566.65	240.10	**12817.84**	175.85	136.06	705.72	3529.28	21756.93	735.12	**27038.96**	1545.85	**41402.65**
Tatapani	0-300	3.55	18.69	17.81	29.06	316.55	17.97	**403.63**	23.86	62.94	218.52	238.87	405.22	5.37	**954.78**	13.70	**1372.11**
Ramkola	300-600	10.54	16.82	11.80	54.97	376.00	22.53	**492.66**	56.02	104.14	228.30	305.85	709.40	11.16	**1414.87**	90.41	**1997.94**
	600-1200	1.95	2.09	0.84	2.42	2.83	0.00	**10.13**	20.82	56.37	33.75	97.32	323.61	5.21	**537.08**	0.00	**547.21**
	0-1200	16.04	37.60	30.45	86.45	695.38	40.50	**906.42**	100.70	223.45	480.57	642.04	1438.23	21.74	**2906.73**	104.11	**3917.26**
Total		**644.13**	**911.24**	**1279.91**	**2649.07**	**19058.22**	**371.52**	**24914.09**	**454.93**	**868.51**	**2527.27**	**7019.61**	**30634.27**	**763.99**	**42268.58**	**2079.14**	**69261.81**

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TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA AS ON 01-04-2020

(Quantity in Million Tonnes)

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)
Uttar Pradesh																	
Singrauli	0-300	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**
Total		**0.00**	**0.00**	**8.05**	**275.80**	**600.19**	**0.00**	**884.04**	**0.00**	**0.00**	**0.00**	**99.09**	**78.67**	**0.00**	**177.76**	**0.00**	**1061.80**
Maharashtra																	
Wardha Valley	0-300	0.00	31.82	299.11	1714.75	2196.26	41.85	**4283.79**	0.00	24.33	46.14	322.51	364.48	0.49	**757.95**	267.94	**5309.68**
	300-600	0.00	0.00	1.84	45.71	227.54	8.77	**283.86**	0.00	46.03	105.52	214.91	564.92	3.36	**934.74**	1146.05	**2364.65**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	11.09	19.49	0.00	**30.58**	26.99	**57.57**
	0-1200	0.00	31.82	300.95	1760.46	2423.80	50.62	**4567.65**	0.00	70.36	151.66	548.51	948.89	3.85	**1723.27**	1440.98	**7731.90**
Kamptee	0-300	2.20	69.29	340.10	438.97	640.48	0.99	**1492.03**	4.87	8.36	101.83	111.40	160.67	0.06	**387.19**	28.73	**1907.95**
	300-600	4.29	39.71	50.30	178.47	216.51	5.22	**494.50**	16.73	25.15	171.67	81.57	182.78	0.48	**478.38**	48.20	**1021.08**
	600-1200	3.54	12.08	6.03	10.20	27.06	0.80	**59.71**	8.13	16.93	5.74	9.86	30.59	1.09	**72.34**	30.28	**162.33**
	0-1200	10.03	121.08	396.43	627.64	884.05	7.01	**2046.24**	29.73	50.44	279.24	202.83	374.04	1.63	**937.91**	107.21	**3091.36**
Umrer-	0-300	0.00	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**	65.53	**373.94**
Makardhokra	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	83.22	**83.22**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**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**	0.00	7.16	87.68	134.17	119.00	0.00	**348.01**	102.06	**896.88**
	300-600	0.06	8.53	22.84	46.11	167.07	0.02	**244.63**	0.00	14.52	82.45	63.88	66.53	0.00	**227.38**	15.58	**487.59**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	5.40	9.19	5.57	0.64	0.00	**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	0.00	1.33	1.33	2.66	4.68	0.00	**10.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	20.00	**30.00**
Total		**12.89**	**211.59**	**856.79**	**2689.51**	**3795.23**	**57.73**	**7623.74**	**29.73**	**147.88**	**610.22**	**954.96**	**1509.10**	**5.48**	**3257.37**	**1846.59**	**12727.70**
Odisha																	
Ib-River	0-300	0.33	4.60	54.74	400.17	11215.72	657.34	**12332.90**	4.15	10.56	70.14	210.38	4882.41	79.01	**5256.65**	0.00	**17589.55**
	300-600	0.41	19.35	63.48	180.82	2382.36	375.62	**3022.04**	15.86	132.11	207.58	521.43	4913.56	219.68	**6010.22**	3610.53	**12642.79**
	600-1200	0.01	0.86	0.06	0.04	0.00	0.00	**0.97**	5.60	20.41	35.63	131.67	1569.76	105.36	**1868.43**	0.00	**1869.40**
	0-1200	0.75	24.81	118.28	581.03	13598.08	1032.96	**15355.91**	25.61	163.08	313.35	863.48	11365.73	404.05	**13135.30**	3610.53	**32101.74**
Talcher	0-300	25.56	244.58	309.42	707.81	19764.00	479.75	**21531.12**	35.59	108.09	219.54	990.65	7889.87	19.19	**9262.93**	2549.82	**33343.87**
	300-600	5.05	26.82	42.30	139.28	3113.71	422.13	**3749.29**	48.06	190.11	293.15	1400.38	10315.14	28.21	**12275.05**	1083.56	**17107.90**
	600-1200	6.04	10.44	6.16	18.19	194.09	0.53	**235.45**	0.00	11.00	52.55	69.86	1260.48	0.00	**1393.89**	469.21	**2098.55**
	0-1200	36.65	281.84	357.88	865.28	23071.80	902.41	**25515.86**	83.65	309.20	565.24	2460.89	19465.49	47.40	**22931.87**	4102.59	**52550.32**
Total		**37.40**	**306.65**	**476.16**	**1446.31**	**36669.88**	**1935.37**	**40871.77**	**109.26**	**472.28**	**878.59**	**3324.37**	**30831.22**	**451.45**	**36067.17**	**7713.12**	**84652.06**
Andhra Pradesh																	
Godavari	0-300	0.00	0.00	0.00	2.56	60.41	24.41	**87.38**	0.00	0.00	3.82	17.25	398.42	0.00	**419.49**	45.03	**551.90**
	300-600	0.00	0.00	0.00	0.02	7.62	2.10	**9.74**	0.00	0.00	4.56	13.89	558.63	0.00	**577.08**	107.75	**694.57**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	1.78	0.00	80.09	0.00	**81.87**	278.87	**360.74**
	0-1200	0.00	0.00	0.00	2.58	68.03	26.51	**97.12**	0.00	0.00	10.16	31.14	1037.14	0.00	**1078.44**	431.65	**1607.21**
Total		**0.00**	**0.00**	**0.00**	**2.58**	**68.03**	**26.51**	**97.12**	**0.00**	**0.00**	**10.16**	**31.14**	**1037.14**	**0.00**	**1078.44**	**431.65**	**1607.21**
Telangana																	
Godavari	0-300	46.32	240.39	1240.59	1298.29	3653.45	3.65	**6482.69**	45.73	96.64	333.79	520.29	2043.45	0.00	**3039.90**	222.28	**9744.87**
	300-600	32.93	216.94	717.83	1157.91	1968.27	2.67	**4096.55**	44.86	155.91	486.84	700.55	2676.53	0.00	**4064.69**	518.08	**8679.32**
	600-1200	2.21	14.94	18.58	87.55	138.29	0.07	**261.64**	8.16	149.74	228.90	410.39	619.62	0.00	**1416.81**	2122.48	**3800.93**
	0-1200	81.46	472.27	1977.00	2543.75	5760.01	6.39	**10840.88**	98.75	402.29	1049.53	1631.23	5339.60	0.00	**8521.40**	2862.84	**22225.12**
Total		**81.46**	**472.27**	**1977.00**	**2543.75**	**5760.01**	**6.39**	**10840.88**	**98.75**	**402.29**	**1049.53**	**1631.23**	**5339.60**	**0.00**	**8521.40**	**2862.84**	**22225.12**
Assam																	
Singrimari	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	2.79	0.00	4.83	3.02	0.00	**10.64**	0.00	**10.64**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.55	2.91	0.00	**3.46**	0.00	**3.46**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**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	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**
Total		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**4.43**	**48.21**	**5.61**	**0.00**	**58.25**	**42.98**	**101.23**
Grand Total		**1412.91**	**5383.87**	**12170.47**	**20654.81**	**100596.22**	**2586.01**	**142804.29**	**1335.78**	**5031.31**	**12783.01**	**23774.96**	**92850.65**	**1609.77**	**137385.48**	**27203.30**	**307393.07**

Source: Geological Survey Of India

TABLE - 2.6 : STATEWISE INVENTORY OF GEOLOGICAL RESERVE OF LIGNITE AS ON 1st APRIL 2018, 2019 & 2020

State	As on	Resources (Quantiry in Million Tonnes)			
		Proved	Indicated	Inferred	*Total*
(2)	(1)	(3)	(4)	(5)	***(6)***
Gujarat	01-04-2018	1278.65	283.70	1159.70	***2722.05***
	01-04-2019	1278.65	283.70	1159.70	***2722.05***
	01-04-2020	1278.65	283.70	1159.70	***2722.05***
J & K	01-04-2018	0.00	20.25	7.30	***27.55***
	01-04-2019	0.00	20.25	7.30	***27.55***
	01-04-2020	0.00	20.25	7.30	***27.55***
Kerala	01-04-2018	0.00	0.00	9.65	***9.65***
	01-04-2019	0.00	0.00	9.65	***9.65***
	01-04-2020	0.00	0.00	9.65	***9.65***
Pondicherry	01-04-2018	0.00	405.61	11.00	***416.61***
	01-04-2019	0.00	405.61	11.00	***416.61***
	01-04-2020	0.00	405.61	11.00	***416.61***
Rajasthan	01-04-2018	1168.53	3029.78	2150.77	***6349.08***
	01-04-2019	1168.53	3029.78	2150.77	***6349.08***
	01-04-2020	1168.53	3029.77	2150.77	***6349.07***
Tamilnadu	01-04-2018	4093.53	22648.33	9392.85	***36134.71***
	01-04-2019	4340.35	22496.63	9392.85	***36229.83***
	01-04-2020	4340.35	22496.63	9652.62	***36489.60***
West Bengal	01-04-2018	0.00	1.13	2.80	***3.93***
	01-04-2019	0.00	1.13	2.80	***3.93***
	01-04-2020	0.00	1.13	2.80	***3.93***
All India	***01-04-2018***	***6540.71***	***26388.80***	***12734.07***	***45663.58***
	01-04-2019	***6787.53***	***26237.10***	***12734.07***	***45758.70***
	01-04-2020	***6787.53***	***26237.09***	***12993.84***	***46018.46***

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

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE AS ON 01.04.2020

(Qty. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	*Grand Total*
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
Neyveli lignite field							
Pandicherry	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 1A, II & Expansion,Mine III,Block B,	0-150	2831.00	134.00	138.00	**3103.00**	
	Mine I, Mine II, Mine III and river) Devangudi & areas locked up between	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	0.00	1341.17	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 Extention	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		***4340.35***	***2819.97***	***1825.60***	***8985.92***	***8985.92***

***(Both Bahur and West of Bahur blocks cover parts of Tamil Nadu and Pondicherry state)

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE AS ON 01.04.2020
(Qty. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	*Grand Total*
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
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***
	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***
	Tiruumangaichcheri	150-300	0.00	21.05	43.90	**64.95**	
		>300	0.00	26.03	42.21	**68.24**	***133.19***
Thiruvarur & Nagappattinam	Nachiyarkudi	>300	0.00	0.00	574.05	**574.05**	***574.05***
	Mannargudi lignite Field		***0.00***	***19913.44***	***4780.46***	***24693.90***	***24693.90***

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE AS ON 01.04.2020

(Qty. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	*Grand Total*
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
Ramanathapuram lignite field							
Ramanathapuram	Bogalur	>300	0.00	48.28	76.34	**124.62**	***124.62***
	Bogalur East	>300	0.00	0.00	469.58	**469.58**	***469.58***
	Misal	>300	0.00	23.92	28.79	**52.71**	***52.71***
	Tiyanur	>300	0.00	96.63	167.30	**263.93**	***263.93***
	Uttarakosamangai	150-300	0.00	0.00	1.54	**1.54**	
		>300	0.00	0.00	467.22	**467.22**	***468.76***
	Kalari North	>300	0.00	0.00	221.90	**221.90**	***221.90***
	Kalari West	>300	0.00	0.00	379.91	**379.91**	***379.91***
	Kalari East	>300	0.00	0.00	259.77	**259.77**	***259.77***
Ramnad	Rajasing Mangalam	>300	0.00	0.00	964.97	**964.97**	***964.97***
Ramnad & Sivaganga	Sattanur	>300	0.00	0.00	20.24	**20.24**	***20.24***
	Ramanathapuram lignite field		***0.00***	***168.83***	***3057.56***	***3226.39***	***3226.39***
Total for Tamil Nadu			***4340.35***	***22496.63***	***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***
	Barsinghsar	0-150	77.83	0.00	0.00	**77.83**	***77.83***
	Bholasar	0-300	0.00	0.00	3.90	**3.90**	***3.90***
	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***

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE AS ON 01.04.2020

(Qty. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	*Grand Total*
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
	Diyatra	0-150	0.00	57.53	0.00	**57.53**	
		150-300	0.00	67.34	0.00	**67.34**	***124.87***
	East of Riri	0-150	0.00	0.00	1.76	**1.76**	***1.76***
	Gadiyala	0-300	0.00	0.00	36.98	**36.98**	***36.98***
	Gigasar-Kesardesar	0-150	0.00	0.65	0.00	**0.65**	***0.65***
	Girirajsar	0-300	0.00	26.48	8.99	**35.47**	***35.47***
	Girirajsar Extn.	150-300	0.00	0.00	24.81	**24.81**	***24.81***
	Gurha East	0-150	33.81	0.00	0.00	**33.81**	
		150-300	4.30	0.00	0.00	**4.30**	***38.11***
	Gurha West	0-150	40.65	0.00	0.00	**40.65**	
		150-300	1.00	0.00	0.00	**1.00**	***41.65***
	Hadda	150-300	0.00	0.22	0.00	**0.22**	***0.22***
	Hadda North & West	0-150	0.00	2.82	7.35	**10.17**	
		150-300	0.00	1.06	2.44	**3.50**	***13.67***
	Hadla	0-150	59.30	0.00	0.00	**59.30**	***59.30***
	Hira Ki Dhani	0-150	0.00	0.00	0.66	**0.66**	***0.66***
	Krnta-ki-basti & S.of Bhane-ka-Gaon	0-150	0.00	0.96	0.00	**0.96**	
		150-300	0.06	0.00	0.00	**0.06**	***1.02***
	Khar Charan	0-150	0.00	0.00	3.70	**3.70**	***3.70***
	Kuchore (Napasar)	0-150	0.00	0.00	1.00	**1.00**	***1.00***
	Kuchaur-Athuni	0-150	0.00	0.18	0.00	**0.18**	***0.18***
	Lalamdesar	0-150	0.00	0.09	0.00	**0.09**	***0.09***
	Lalamdesar Bada	0-150	1.51	0.49	0.00	**2.00**	***2.00***
	Mandal Charman	0-150	0.00	17.70	0.00	**17.70**	***17.70***
	Palana	0-150	23.57	0.00	0.00	**23.57**	***23.57***
	Palana East	0-150	0.00	1.46	0.00	**1.46**	***1.46***
	Panch-Peeth-Ki-Dhani	0-150	0.00	0.09	0.00	**0.09**	***0.09***
	Pyau	0-150	0.00	0.00	45.56	**45.56**	
		150-300	0.00	0.00	16.62	**16.62**	***62.18***

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE AS ON 01.04.2020

(Qty. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	*Grand Total*
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
	Rneri	0-150	33.92	0.00	0.00	**33.92**	***33.92***
	Riri	0-150	159.68	0.00	0.00	**159.68**	
		>150	22.75	0.00	0.00	**22.75**	***182.43***
	Sarupdesar-Palana west	0-150	0.00	0.67	0.00	**0.67**	***0.67***
	hambu-ki-Burj	0-150	0.00	0.00	0.04	**0.04**	***0.04***
	Sowa	0-150	0.00	0.23	0.00	**0.23**	***0.23***
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	46.14	**46.14**	***67.49***
	Bharka	0-150	0.00	8.45	0.00	**8.45**	
		150-300	0.00	1.00	0.00	**1.00**	***9.45***
	Bharka	0-150	0.00	12.86	2.12	**14.98**	
		150-300	0.00	66.60	0.40	**67.00**	
		>300	0.00	50.06	0	**50.06**	***132.04***
	Bothia-Bhakra- Dunga	0-300	0.00	9.35	0.00	**9.35**	***9.35***
	Bothia(Jalipa N Ext.)	0-300	0.00	151.67	0.00	**151.67**	***151.67***
	Chokla North	0-300	0.00	0.00	234.77	**234.77**	***234.77***
	Giral	0-150	20.00	81.90	0.00	**101.90**	***101.90***
	Hodu	0-300	0.00	78.17	80.55	**158.72**	
		>300	0.00	0.00	6.85	**6.85**	***165.57***
	Jalipa	0-150	224.28	0.00	0.00	**224.28**	
		150-300	100.55	0.00	0.00	**100.55**	***324.83***
	Jogeshwartala	0-150	0.00	31.52	0.00	**31.52**	
		150-300	0.00	3.00	0.00	**3.00**	***34.52***
	Kawas Gravity Block	150-300	0.00	0.00	53.03	**53.03**	***53.03***
	Kapurdi	0-150	150.40	0.00	0.00	**150.40**	***150.40***
	Kurla	0-150	0.00	0.00	68.67	**68.67**	***68.67***
	Kurla East	0-150	0.00	11.47	0.00	**11.47**	
	(covering Kurla East North & South	150-300	0.00	48.47	0.00	**48.47**	
	sub blocks)	>300	0.00	458.44	250.13	**708.57**	***768.51***
	Magne-ki-Dhani	0-150	0.00	0.00	8.78	**8.78**	
		150-300	0.00	0.00	3.91	**3.91**	
		>300	0.00	0.00	0.04	**0.04**	***12.73***

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE AS ON 01.04.2020

(Qty. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	*Grand Total*
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
	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***
	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***

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE AS ON 01.04.2020

(Qty. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	*Grand Total*
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
Nagaur	Deswal	150-300	0.00	0.00	16.37	**16.37**	***16.37***
	Gangardi	150-300	0.00	166.91	11.44	**178.35**	***178.35***
	Indawar	0-150	12.00	0.00	0.00	**12.00**	***12.00***
	Kaprion-ka-Dhani	0-150	17.00	0.00	0.00	**17.00**	***17.00***
	Kasnau-Igiar	0-150	64.90	0.00	0.00	**64.90**	***64.90***
	Kuchera	0-150	0.00	0.00	1.00	**1.00**	***1.00***
	Lunsara	0-300	0.00	7.17	0.00	**7.17**	***7.17***
	Matasukh	0-150	10.10	0.00	0.00	**10.10**	***10.10***
	Merta Road & Meeranagar	0-150	0.00	23.90	59.35	**83.25**	***83.25***
	Mokala	0-150	0.00	29.00	0.00	**29.00**	***29.00***
	Nimbri-Chandawatan	0-150	9.00	0.00	0.00	**9.00**	***9.00***
	Ucharda	0-150	0.00	4.22	7.11	**11.33**	
		150-300	0.00	58.29	61.21	**119.50**	***130.83***
Nagaur & Pali	Phalki	0-150	0.00	0.18	0.00	**0.18**	
		150-300	0.00	0.32	0.00	**0.32**	***0.50***
	Phalki North	0-150	0.00	0.00	1.98	**1.98**	
		150-300	0.00	0.00	11.06	**11.06**	***13.04***
	Phalodi	0-150	0.00	0.00	0.95	**0.95**	
		150-300	0.00	0.00	4.70	**4.70**	***5.65***
Total for Rajasthan			***1168.53***	***3029.77***	***2150.77***	***6349.07***	***6349.07***
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***

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE AS ON 01.04.2020

(Qty. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	*Grand Total*
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
	Jhularai-Waghapadar	0-150	3.00	0.00	0.00	**3.00**	***3.00***
	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, Surka etc.	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,	0-150	225.88	0.00	0.00	**225.88**	
	Nani Pardi etc.	>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) byMECL	0-150	0.00	0.00	20.72	**20.72**	***20.72***
	Rajpardi (CGM) by MECL	0-300	0.00	0.00	292.04	**292.04**	***292.04***
Surat	Tadkeswar	0-300	0.00	0.00	123.10	**123.10**	***123.10***
	Dungra	0-300	0.00	0.00	92.52	**92.52**	***92.52***
	East of Kamrej-Vesma	150-300	0.00	0.00	7.92	**7.92**	***7.92***
Surat	Tadkeswar Block-Mongrol, Mandvi, Vastan, Nani Naroli,Ghala etc.	0-300	218.28	108.71	112.67	**439.66**	***439.66***
Total for Gujarat			***1278.65***	***283.70***	***1159.70***	***2722.05***	***2722.05***
J & K							
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 J & K			***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	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***
	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			***6787.53***	***26237.09***	***12993.84***	***46018.46***	***46018.46***

Source: Geological Survey of India

Table 2.8: PROMOTIONAL EXPLORATION (DRILLING IN METRES) DURING Xth, XIth, XIIth AND XIIIth PLAN

Command Area → / 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***

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Table 2.8: PROMOTIONAL EXPLORATION (DRILLING IN METRES) DURING Xth, XIth, XIIth AND XIIIth PLAN

Command Area / Year	Agency	CIL (Coal)	SCCL (Coal)	NLC (Lignite)	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)
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***
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***
TOTAL (XIIIth Plan)	***Geological Survey of India***	***0***	***0***	***341***	***341***
TOTAL (XIIIth Plan)	***Mineral Exploration Corporation Ltd.***	***217582***	***15900***	***118053***	***351535***
TOTAL (XIIIth Plan)	***DGM (Nagaland)***	***2908***	***0***	***0***	***2908***
TOTAL (XIIIth Plan)	***Central Mine Planning & Design Inst.***	***34513***	***0***	***0***	***34513***
G. TOTAL (XIIIth Plan)	***All Agencies***	***255003***	***15900***	***118395***	***389297***

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 XITH AND XIITH PLAN

Command Area →			CIL									SCCL
Year	Agency	Blocks	ECL	BCCL	CCL	NCL	WCL	SECL	MCL	NEC	TOTAL CIL	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1997-02 (IX Plan)	*All Agencies*	*Total*	*195787*		*167294*	*73914*	*226882*	*371436*	*203063*	*2461*	***1240837***	*251379*
2002-2007(X Plan)	*All Agencies*	*Total*	*98354*	*8391*	*129728*	*60175*	*118415*	*283519*	*254631*	*0*	***951184***	*332173*
2007-08(XI Plan)	*All Agencies*	*Total*	*22353*	*0*	*32145*	*12468*	*33470*	*58626*	*47147*	*0*	***206209***	*78380*
2008-09(XI Plan)	*All Agencies*	*Total*	*25666*	*5259*	*37164*	*14104*	*37649*	*82538*	*60602*	*3733*	***266715***	*84686*
2009-10(XI Plan)	*All Agencies*	*Total*	*48701*	*19751*	*39137*	*32371*	*41784*	*202667*	*71867*	*10906*	***467184***	*92314*
2010-11(XI Plan)	*All Agencies*	*Total*	*55350*	*17634*	*40504*	*31040*	*42962*	*239359*	*64407*	*536*	***491792***	*101903*
2011-12(XI 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***	
2012-13	DEPARTMENTAL	Non-CIL	10356			14353	26729	3923	22097		***77458***	120105
2012-13	DEPARTMENTAL	Pvt. Blocks									***0***	
2012-13	***DEPARTMENTAL***	***Total***	***29150***		***43510***	***21204***	***41867***	***94552***	***45915***		***276198***	***120105***
2012-13	MECL	CIL		9433		0		28851			***38284***	
2012-13	MECL	Non-CIL				32734	3214	64529			***100477***	8899
2012-13	CG/MP/Odisha Govt.	CIL						3409	3989		***7398***	
2012-13	Private /Contractual	CIL	450	24316	42359		23653				***90778***	
2012-13	Private /Contractual	Non-CIL	8167		37888			287	3431		***49773***	
2012-13	***Private /Contractual***	***Total***	***8617***	***24316***	***80247***	***0***	***23653***	***287***	***3431***	***0***	***140551***	
2012-13	All Agencies	CIL	19244	33749	85869	6851	38791	122889	27807	0	***335200***	
2012-13	All Agencies	Non-CIL	18523	0	37888	47087	29943	68739	25528	0	***227708***	129004
2012-13(XI 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***	
2013-14	DEPARTMENTAL	Non-CIL	6597			24123	14641	6846	41535		***93742***	117316
2013-14	DEPARTMENTAL	Pvt. Blocks									***0***	
2013-14	***DEPARTMENTAL***	***Total***	***40381***		***46576***	***24123***	***43560***	***119851***	***50871***		***325362***	***117316***
2013-14	MECL	CIL		9482		21048		34489			***65019***	
2013-14	MECL	Non-CIL				9753	12781	83454			***105988***	9552
2013-14	CG/MP/Odisha Govt.	CIL						3905	2038		***5943***	
2013-14	Private /Contractual	CIL		30176	86374		39809				***156359***	
2013-14	Private /Contractual	Non-CIL	7158				923	552	29538		***38171***	
2013-14	***Private /Contractual***	***Total***	***7158***	***30176***	***86374***	***0***	***40732***	***552***	***29538***	***0***	***194530***	
2013-14	All Agencies	CIL	33784	39658	132950	21048	68728	151399	11374	0	***458941***	
2013-14	All Agencies	Non-CIL	13755	0	0	33876	28345	90852	71073	0	***237901***	126868
2013-14(XII 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***	
2014-15	DEPARTMENTAL	Non-CIL				15117		10174	35597		***60888***	124078
2014-15	DEPARTMENTAL	Pvt. Blocks									***0***	
2014-15	***DEPARTMENTAL***	***Total***	***48637***		***48833***	***25337***	***48121***	***130350***	***55202***		***356480***	***124078***
2014-15	MECL	CIL		7199		26660		50439			***84298***	
2014-15	MECL	Non-CIL				11455	24211	100291			***135957***	11229
2014-15	CG/MP/Odisha Govt.	CIL						4349	2514		***6863***	
2014-15	Private /Contractual	CIL		31422	65277		28286	34372			***159357***	
2014-15	Private /Contractual	Non-CIL	4698				10397	57967	11953		***85015***	
2014-15	***Private /Contractual***	***Total***	***4698***	***31422***	***65277***	***0***	***38683***	***92339***	***11953***	***0***	***244372***	
2014-15	All Agencies	CIL	48637	38621	114110	36880	76407	209336	22119	0	***546110***	
2014-15	All Agencies	Non-CIL	4698	0	0	26572	34608	168432	47550	0	***281860***	135307
2014-15(XII Plan)	***All Agencies***	***Total***	***53335***	***38621***	***114110***	***63452***	***111015***	***377768***	***69669***	***0***	***827970***	***135307***
2015-16	DEPARTMENTAL	CIL	54145		46119	19683	56400	151876	19219	0	***347442***	
2015-16	DEPARTMENTAL	Non-CIL	2542		4858	6626			46601		***60627***	0
2015-16	DEPARTMENTAL	Pvt. Blocks									***0***	
2015-16	***DEPARTMENTAL***	***Total***	***56687***	***0***	***50977***	***26309***	***56400***	***151876***	***65820***	***0***	***408069***	***0***
2015-16	MECL	CIL	840			25854		101663			***128357***	
2015-16	MECL	Non-CIL				16158	12445	75530			***104133***	14750
2015-16	CG/MP/Odisha Govt.	CIL						2833	2442		***5275***	
2015-16	Private /Contractual	CIL	27687	22529	13911		12006	142322	2096		***220551***	
2015-16	Private /Contractual	Non-CIL	1826		7921		26645	66909	9318		***112619***	
2015-16	***Private /Contractual***	***Total***	***29513***	***22529***	***21832***	***0***	***38651***	***209231***	***11414***	***0***	***333170***	
2015-16	All Agencies	CIL	82672	22529	60030	45537	68406	398694	23757	0	***701625***	
2015-16	All Agencies	Non-CIL	4368	0	12779	22784	39090	142439	55919	0	***277379***	14750
2015-16(XII Plan)	***All Agencies***	***Total***	***87040***	***22529***	***72809***	***68321***	***107496***	***541133***	***79676***	***0***	***979004***	***14750***

Contd.....

Table 2.9 : DETAILED EXPLORATION (DRILLING IN METERS) DURING XITH AND XIITH PLAN

Command Area →			CIL									SCCL
Year	Agency	Blocks	ECL	BCCL	CCL	NCL	WCL	SECL	MCL	NEC	TOTAL CIL	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2016-17	DEPARTMENTAL	CIL	61819		53579	32608	61894	155721	16940	0	**382561**	
2016-17	DEPARTMENTAL	Non-CIL	2503		817	4332		5053	46101		**58806**	0
2016-17	DEPARTMENTAL	Pvt. Blocks									**0**	
2016-17	***DEPARTMENTAL***	***Total***	***64322***	***0***	***54396***	***36940***	***61894***	***160774***	***63041***	***0***	***441367***	***0***
2016-17	MECL	CIL	11935			20317		160320			**192572**	
2016-17	MECL	Non-CIL				3659	3893	105077			**112629**	51031
2016-17	CG/MP/Odisha Govt.	CIL						49	480		**529**	
2016-17	Private /Contractual	CIL	69488	8290	25895		10631	77679	28469		**220452**	
2016-17	Private /Contractual	Non-CIL	59851				4825	36680	5719		**107075**	
2016-17	***Private /Contractual***	***Total***	***129339***	***8290***	***25895***	***0***	***15456***	***114359***	***34188***	***0***	***327527***	
2016-17	All Agencies	CIL	143242	8290	79474	52925	72525	393769	45889	0	**796114**	
2016-17	All Agencies	Non-CIL	62354	0	817	7991	8718	146810	51820	0	**278510**	51031
2016-17(XII Plan)	***All Agencies***	***Total***	***205596***	***8290***	***80291***	***60916***	***81243***	***540579***	***97709***	***0***	***1074624***	***51031***
2017-18	DEPARTMENTAL	CIL	53804		26570	16737	60838	131623	15218	0	**304790**	
2017-18	DEPARTMENTAL	Non-CIL	16632		11461	28502	11556	21530	49343		**139024**	0
2017-18	DEPARTMENTAL	Pvt. Blocks									**0**	
2017-18	***DEPARTMENTAL***	***Total***	***70436***	***0***	***38031***	***45239***	***72394***	***153153***	***64561***	***0***	***443814***	***0***
2017-18	MECL	CIL	23240			35414		179100			**237754**	
2017-18	MECL	Non-CIL						165300			**165300**	65806
2017-18	CG/MP/Odisha Govt.	CIL							2121		**2121**	
2017-18	Private /Contractual	CIL	99045		57831		55836	63515	26787		**303014**	
2017-18	Private /Contractual	Non-CIL	48334		6596		952	53746	31967		**141595**	
2017-18	***Private /Contractual***	***Total***	***147379***	***0***	***64427***	***0***	***56788***	***117261***	***58754***	***0***	***444609***	
2017-18	All Agencies	CIL	176089	0	84401	52151	116674	374238	44126	0	**847679**	
2017-18	All Agencies	Non-CIL	64966	0	18057	28502	12508	240576	81310	0	**445919**	65806
2017-18(XII Plan)	***All Agencies***	***Total***	***241055***	***0***	***102458***	***80653***	***129182***	***614814***	***125436***	***0***	***1293598***	***65806***
2018-19	DEPARTMENTAL	CIL	58700		46300	9200	47100	168300	28900	0	**358500**	
2018-19	DEPARTMENTAL	Non-CIL	5700		600	36900	43800	9600	44700		**141300**	0
2018-19	DEPARTMENTAL	Pvt. Blocks									**0**	
2018-19	***DEPARTMENTAL***	***Total***	***64400***	***0***	***46900***	***46100***	***90900***	***177900***	***73600***	***0***	***499800***	***0***
2018-19	MECL	CIL	10100			17700		229900			**257700**	
2018-19	MECL	Non-CIL	9700					173000			**182700**	20900
2018-19	CG/MP/Odisha Govt.	CIL							2000		**2000**	
2018-19	Private /Contractual	CIL	63900	1300	74700		67700	33600	500		**241700**	
2018-19	Private /Contractual	Non-CIL	84000		15100	12900		24300	19000		**155300**	
2018-19	***Private /Contractual***	***Total***	***147900***	***1300***	***89800***	***12900***	***67700***	***57900***	***19500***	***0***	***397000***	
2018-19	All Agencies	CIL	132700	1300	121000	26900	114800	431800	31400	0	**859900**	
2018-19	All Agencies	Non-CIL	99400	0	15700	49800	43800	206900	63700	0	**479300**	20900
2018-19(XII Plan)	***All Agencies***	***Total***	***232100***	***1300***	***136700***	***76700***	***158600***	***638700***	***95100***	***0***	***1339200***	***20900***
2019-20	DEPARTMENTAL	CIL	38200		24900	6500	33100	139100	15300	0	**257100**	
2019-20	DEPARTMENTAL	Non-CIL	24900		28800	32900	52400	33800	58600		**231400**	0
2019-20	DEPARTMENTAL	Pvt. Blocks									**0**	
2019-20	***DEPARTMENTAL***	***Total***	***63100***	***0***	***53700***	***39400***	***85500***	***172900***	***73900***	***0***	***488500***	***0***
2019-20	MECL	CIL	6400	10100		10400		126200			**153100**	
2019-20	MECL	Non-CIL	8300					309600		1400	**319300**	17300
2019-20	CG/MP/Odisha Govt.	CIL							2700		**2700**	
2019-20	Private /Contractual	CIL	11800	57500	27700		29700	43400	200		**170300**	
2019-20	Private /Contractual	Non-CIL	71600		23400	0		10400	18900		**124300**	
2019-20	***Private /Contractual***	***Total***	***83400***	***57500***	***51100***	***0***	***29700***	***53800***	***19100***	***0***	***294600***	
2019-20	All Agencies	CIL	56400	67600	52600	16900	62800	308700	18200	0	**583200**	
2019-20	All Agencies	Non-CIL	104800	0	52200	32900	52400	353800	77500	1400	**675000**	17300
2019-20(XII Plan)	***All Agencies***	***Total***	***161200***	***67600***	***104800***	***49800***	***115200***	***662500***	***95700***	***1400***	***1258200***	***17300***

Section III

Production & Productivity

3.1 Production

3.1.1 In 2019-20, the production of raw coal in India was 730.874 MT, showing an increase of 0.3% over the previous year. In the same year production of lignite was 42.096 MT, showing a decrease of 4.9% over 2018-19.

3.1.2 Statement 3.1 shows the production of coal in 2019-20 by different companies.

Statement 3.1: Raw Coal Production in India by Company

Company	Coal Production (2019-20) [MT]		
	Coking	Non-coking	Total
ECL	0.026	50.375	50.401
BCCL	25.945	1.784	27.729
CCL	20.027	46.862	66.889
NCL	0	108.053	108.053
WCL	0.178	57.458	57.636
SECL*	0.250	150.296	150.546
MCL		140.358	140.358
NEC		0.517	0.517
CIL	46.426	555.703	602.129
SCCL		64.044	64.044
Other Public	0.300	31.751	32.051
Total Public	46.726	651.498	698.224
Total Private	6.210	26.440	32.650
ALL INDIA	52.936	677.938	730.874

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

It can be seen that Coal India Ltd. accounted for 82.38% of coal production in the country. The share of SCCL in coal production was 8.76%. Contribution from the Public Sector and Private Sector was 95.53% and 4.47% respectively. The major contributions to the total coal production of the country in 2019-20 were from SECL (20.13%), MCL (19.20%), NCL (14.78%), CCL (9.15%) and SCCL (8.76%). The production from these five companies collectively accounted for 72.03% 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 (92.80%).

3.1.3 Statement 3.2 shows coal production in India during 2019-20 by states. From this statement, it can be observed that the four major coal-producing states were Chhattisgarh (21.60%), Odisha (19.60%), Jharkhand (18.00%), and Madhya Pradesh (17.20%). These four states together accounted for about 76.40% of the total coal production in the country.

Statement 3.2: Raw Coal Production in India by State

States	Coal Production (2019-20) [MT]		
	Coking	Non-Coking	Total
Assam	-	0.517	0.517
Chhattisgarh	0.250	157.495	157.745
Jammu & Kashmir	-	0.014	0.014
Jharkhand	52.364	79.399	131.763
Madhya Pradesh	0.178	125.548	125.726
Maharashtra	-	54.746	54.746
Meghalaya	-	0.000	0.000
Odisha	-	143.016	143.016
Telangana	-	65.703	65.703
Uttar Pradesh	-	18.030	18.030
West Bengal	0.144	33.470	33.614
Total	52.936	677.938	730.874

3.1.4 Statement 3.2 also shows that almost all coking coal was produced in the state of Jharkhand which accounted for 98.92% of the total coking coal production. It can also be seen that during 2019-20, the production of coking coal registered an increase of 28.70%

over 2018-19 whereas production of non-coking coal decreased by 1.40%.

3.1.5 From Table 3.18 it can be observed that in 2019-20, the production from the Open Cast system of mining accounted for 94.46% of the total coal production, and the rest 5.54% was accounted for by the Underground 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 89.70%

in 2010-11 to 94.46% in 2019-20 whereas in case of Underground mining the share has a decreasing trend; 10.30% in 2010-11 to 5.54% in 2019-20.

3.1.6 From table 3.3, it can be seen that the production of total coal products decreased from 42.617 MT in 2018-19 to 42.579 MT in 2019-20. It can also be seen that the production of washed coking coal decreased by 5.12% and washed non-coking coal decreased by 2.38%. The production of coking coal middlings increased by 1.28% from 2018-19. In 2019-20, the production of hard coke increased by 4.67% from 2018-19. The production of washed coal (coking and non-coking) was 24.188 MT against the total raw coal production of 730.874 MT in 2019-20.

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 3.21 it can be seen that in 2019-20, the stripping ratio at all India level was 2.55 while it was 2.47 in 2018-19. The stripping ratio of CIL was 2.02 and of SCCL was 6.30 in 2019-20. The stripping ratio for the Public Sector was 2.47 and for the Private Sector was 4.15. In the case of CIL subsidiaries, MCL reported the lowest stripping ratio of 0.89 whereas NEC reported the highest stripping ratio of 9.15.

3.1.8 Output Per Man Shift (OMS) is one of the measures of efficiency for production. Table 3.22 shows OMS for 2019-20 of the two major players in the Public Sector, namely, CIL and SCCL by type of mining. It is seen that during 2019-20, in respect of Open Cast mining, OMS (in Tonnes) of CIL was 17.90 and of SCCL was 16.57. In the case of Underground mining, OMS (in Tonnes) of CIL was 0.99 and SCCL was 1.44. From Table 3.22 it can also be seen that in the case of CIL (OC), OMS has shown an increasing trend in the last ten years, from 10.06 in 2010-11 to 17.90 in 2019-20. 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 2018-19 and 2019-20 for CIL & SCCL

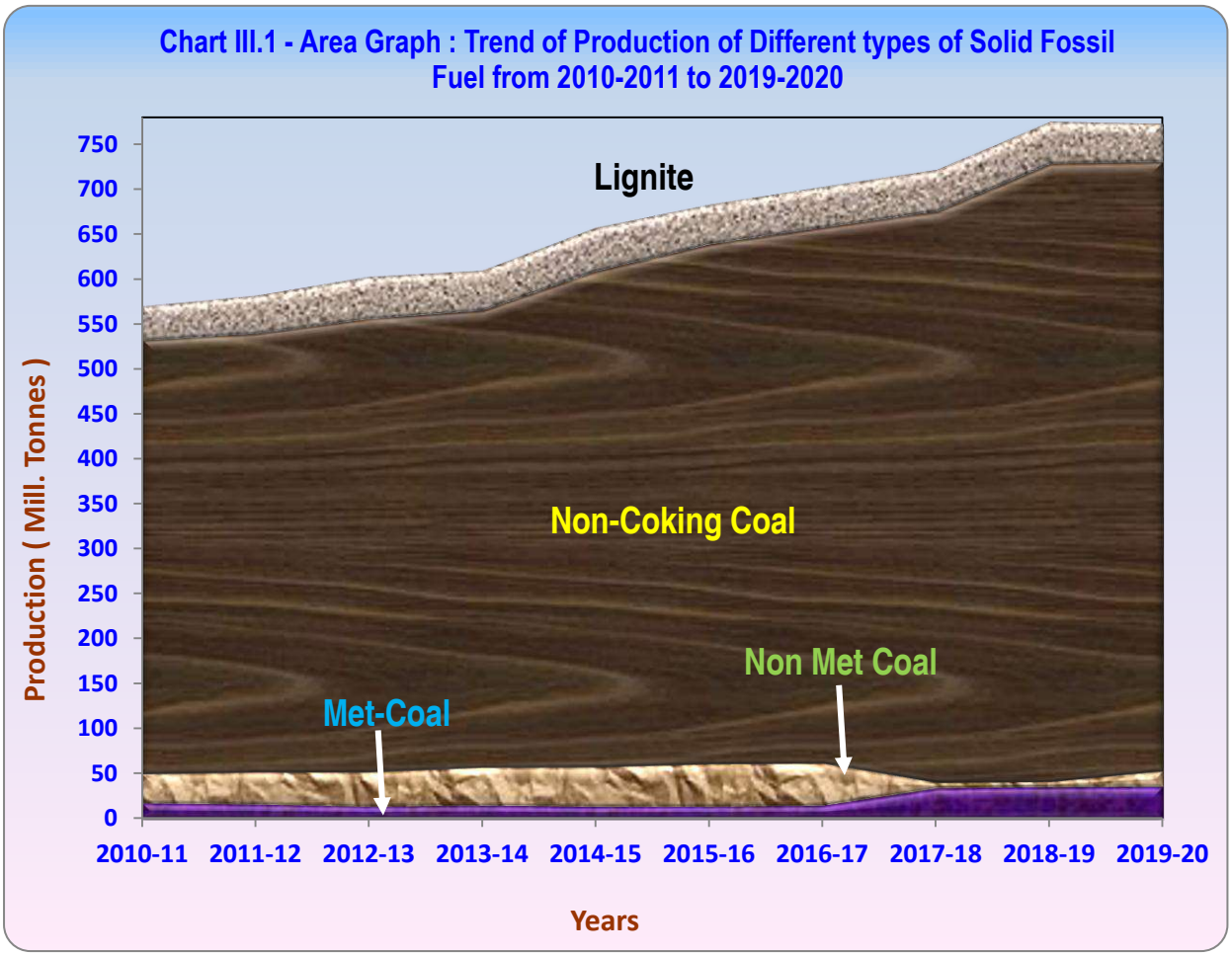
Year	Company	2018-19	2019-20
OMS (OC)	CIL	15.21	17.90
	SCCL	16.95	16.57
OMS (UG)	CIL	0.95	0.99
	SCCL	1.39	1.44
OMS (Overall)	CIL	8.67	9.64
	SCCL	6.22	4.89

3.1.9 Lignite Production:

Statement 3.4 shows production of lignite by different companies in 2018-19 and 2019-20. It can be seen that in case of lignite the three major companies were NLC, GMDCL and BLMCL which contributed 59.06%, 16.53% and 12.86% respectively to the total lignite production of 2019-20.

Statement 3.4: Lignite Production (MT) in India by Company in 2018-19 and 2019-20

Company	2018-19	2019-20
NLC	24.250	24.864
GMDCL	9.160	6.957
GIPCL	3.313	3.342
RSMML	1.317	0.790
GHCL	0.093	0.058
VSLPPL	0.305	0.672
BLMCL	5.845	5.413
All India	**44.283**	**42.096**



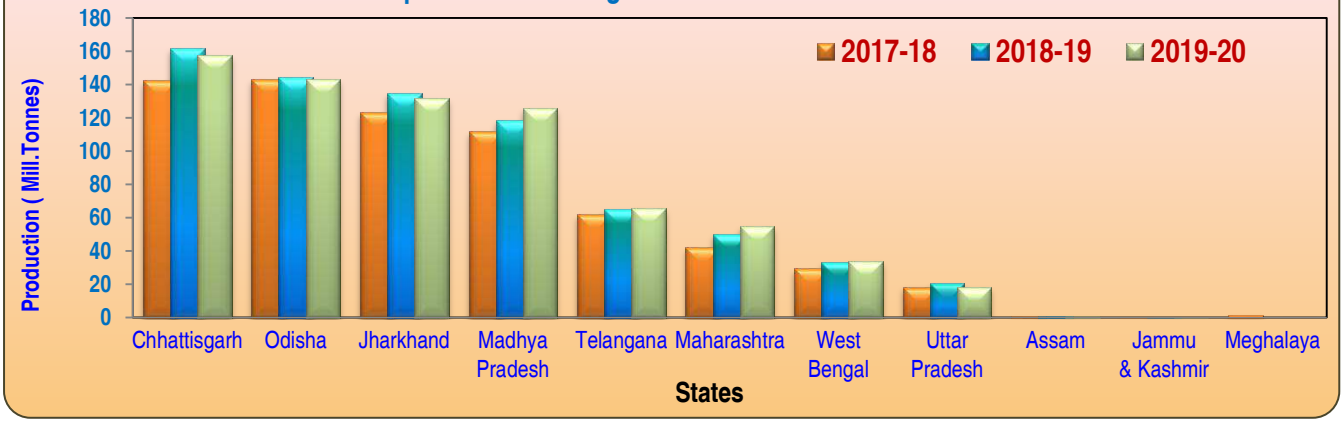
Production of different types of solid fossil fuels during 2010-11 TO 2019-20 (Quantity in Mill.Tonnes)

Year	Met Coal	Non Met Coal	Total Coking	Non-Coking	Total Raw Coal	Lignite
(1)	(2)	(3)	**(4)**	(5)	**(6)**	(7)
2010-11	17.695	31.852	**49.547**	483.147	**532.694**	37.733
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

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.

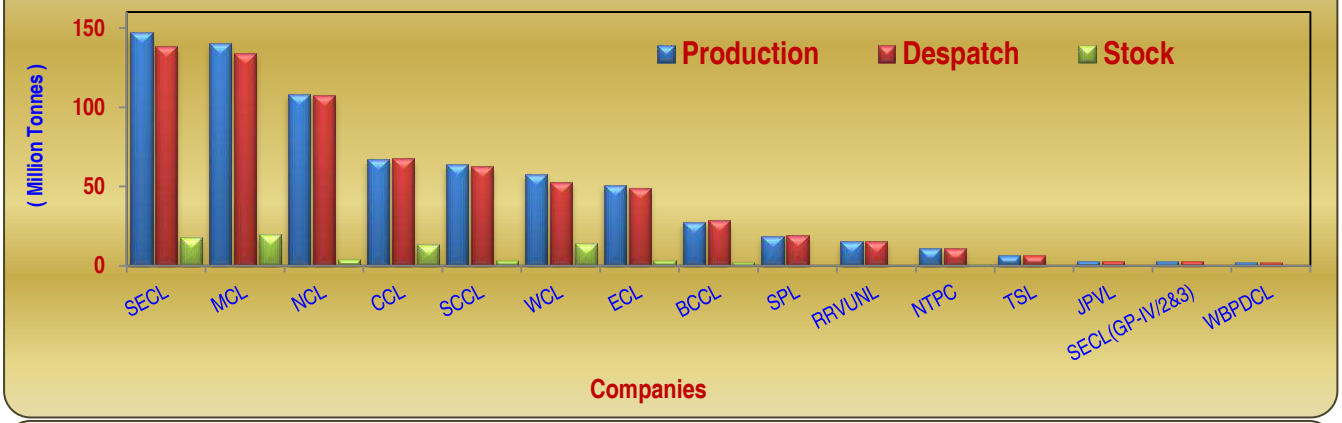
2. Note: The huge growth (122.1%) of Metallurgical Coal in 2017-18 over previous year was due to BCCL's contribution of 22.286 million tonnes of Metallurgical Coal in 2017-18.

Ch-III.2: Top States Producing Raw Coal for the last Three Years



Ch-III.3: Raw Coal Production of the Top Ten Comapnies for the last Three Years

Ch-III.4: Raw Coal Production, Despatch & Stock of the Top Fifteen Companies in 2019-20



Ch-III.5: Approx 95 % of Production of Raw Coal were shared by the top ten companies in 2019-20

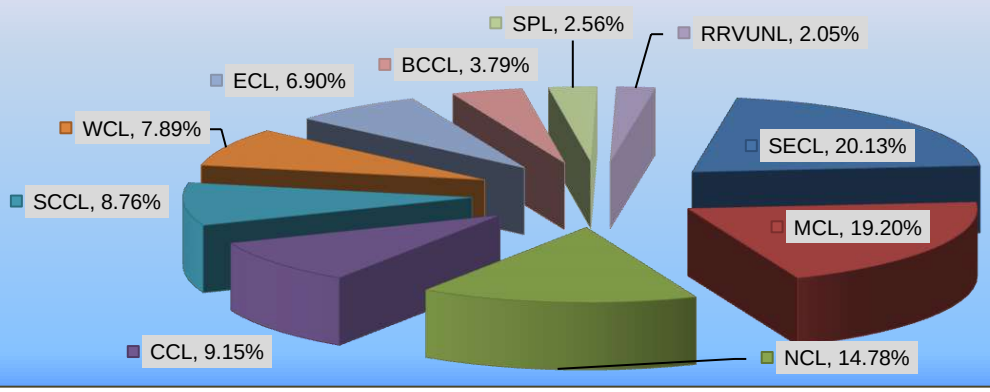
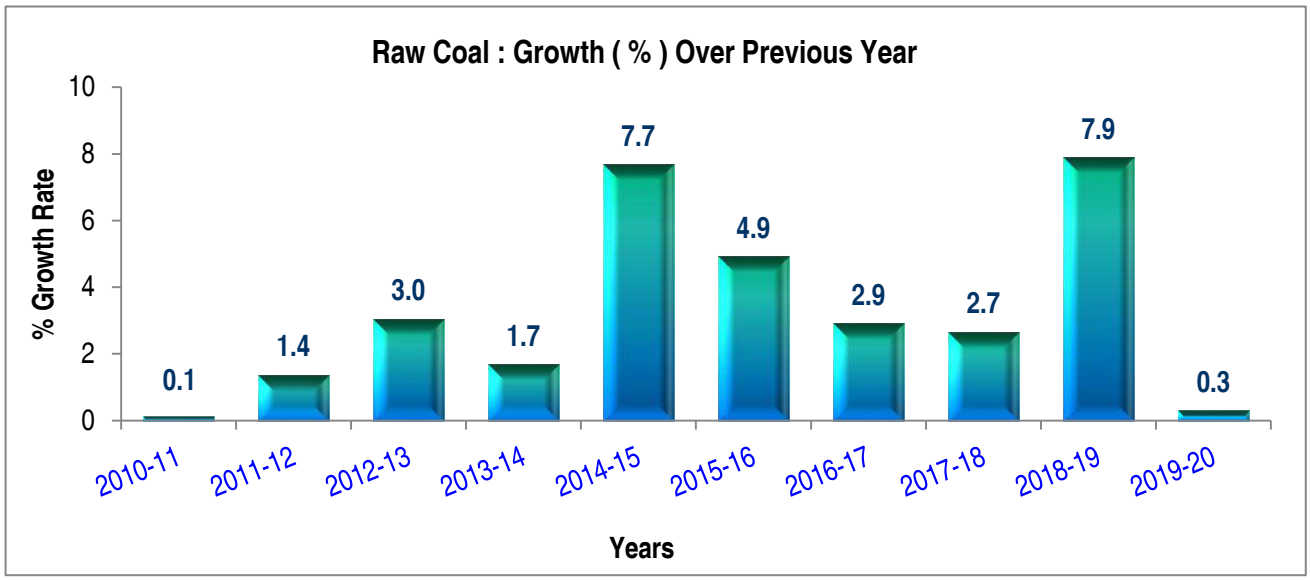


TABLE 3.1: TRENDS OF PRODUCTION OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS

[Quantity in Million Tonnes]

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)
2010-11	532.694	93.4	0.1	37.733	6.6	10.7	**570.427**	**0.8**
2011-12	539.950	92.7	1.4	42.332	7.3	12.2	**582.282**	**2.1**
2012-13	556.402	92.3	3.0	46.453	7.7	9.7	**602.855**	**3.5**
2013-14	565.765	92.7	1.7	44.271	7.3	-4.7	**610.036**	**1.2**
2014-15	609.179	92.7	7.7	48.270	7.3	9.0	**657.449**	**7.8**
2015-16	639.230	93.6	4.9	43.842	6.4	-9.2	**683.072**	**3.9**
2016-17	657.868	93.6	2.9	45.230	6.4	3.2	**703.098**	**2.9**
2017-18	675.400	93.5	2.7	46.644	6.5	3.1	**722.044**	**2.7**
2018-19	728.718	94.3	7.9	44.283	5.7	-5.1	**773.001**	**7.1**
2019-20	730.874	94.6	0.3	42.096	5.4	-4.9	**772.970**	**-0.004**



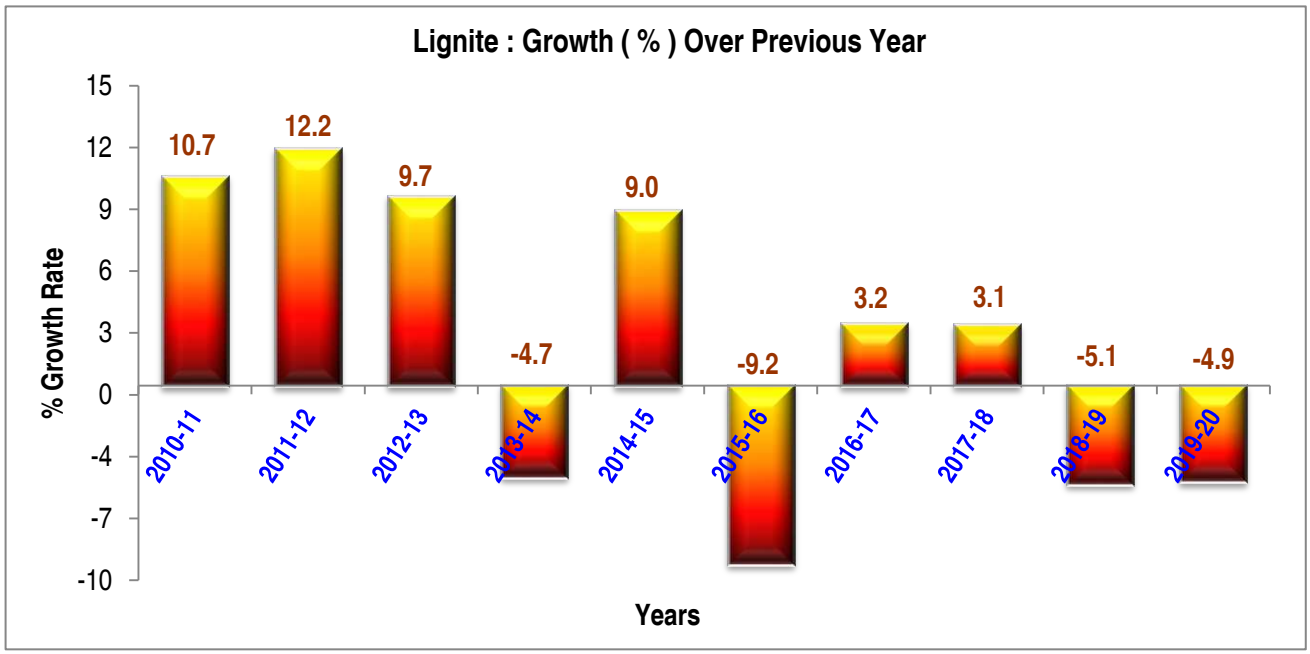
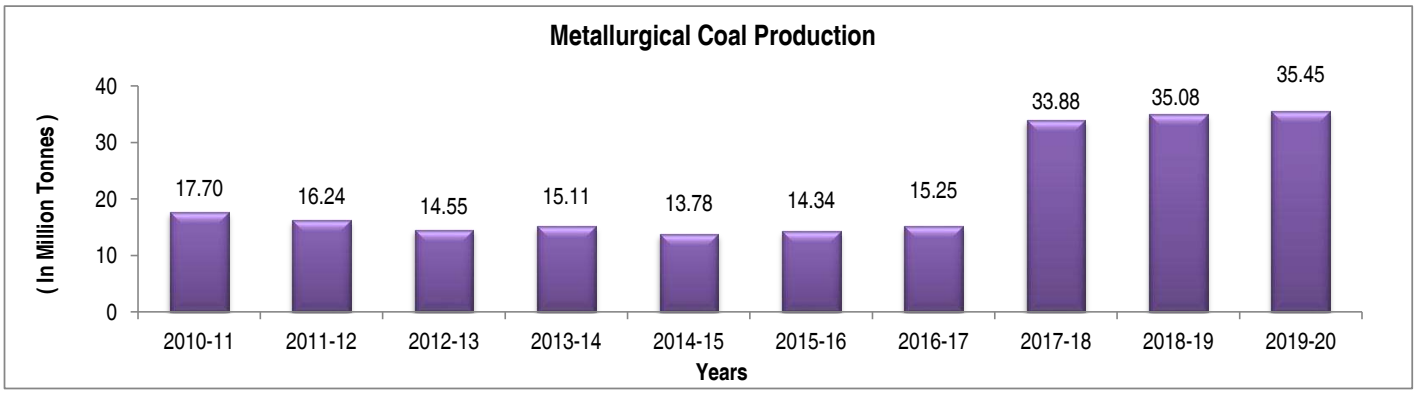


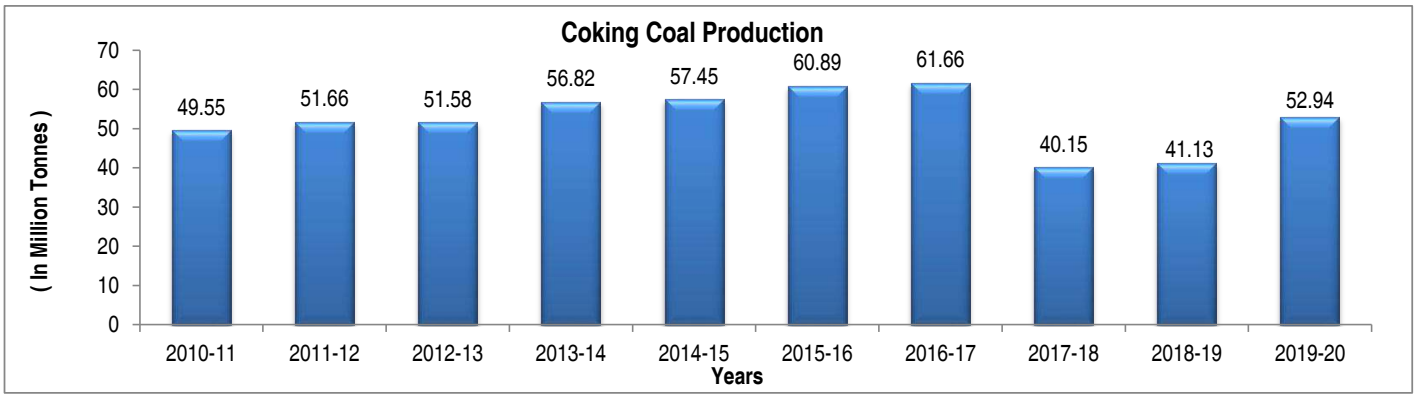
TABLE 3.2: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			Total Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking 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)**
2010-11	17.695	35.7	-0.2	31.852	64.3	19.4	49.547	9.3	11.6	483.147	90.7	-0.9	**532.694**	**0.1**
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	24.0	-8.8	43.662	76.0	4.7	57.446	9.4	1.1	551.733	90.6	8.4	**609.179**	**7.7**
2015-16	14.339	23.6	4.0	46.548	76.4	6.6	60.887	9.5	6.0	578.343	90.5	4.8	**639.230**	**4.9**
2016-17	15.254	24.7	6.4	46.407	75.3	-0.3	61.661	9.4	1.3	596.207	90.6	3.1	**657.868**	**2.9**
2017-18	33.884	84.4	122.1	6.264	15.6	-86.5	40.148	5.9	-34.9	635.252	94.1	6.5	**675.400**	**2.7**
2018-19	35.084	85.3	3.5	6.048	14.7	-3.4	41.132	5.6	2.5	687.586	94.4	8.2	**728.718**	**7.9**
2019-20	35.451	67.0	1.0	17.485	33.0	189.1	52.936	7.2	28.7	677.938	92.8	-1.4	**730.874**	**0.3**

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.





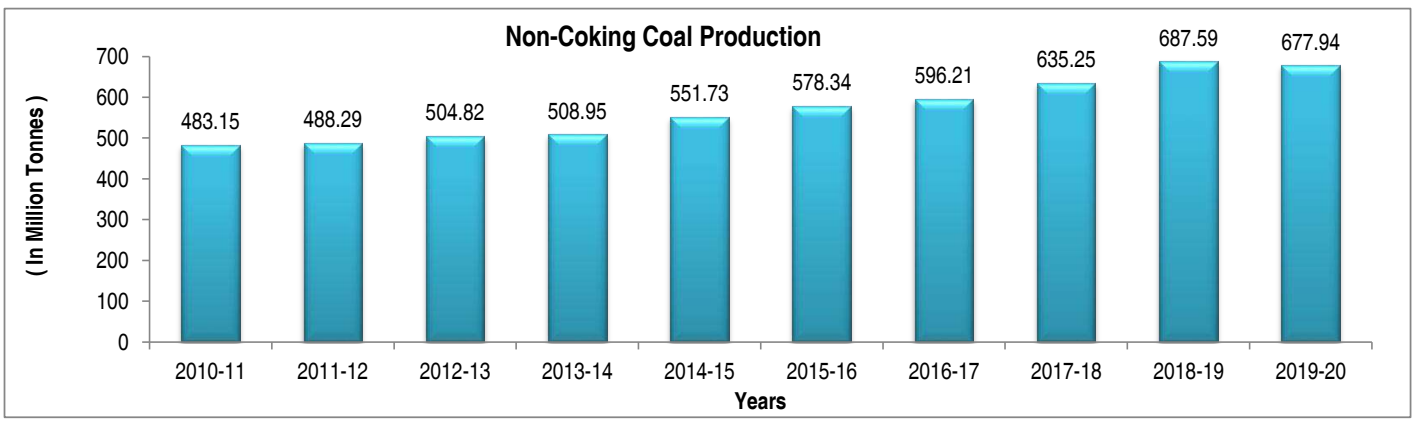
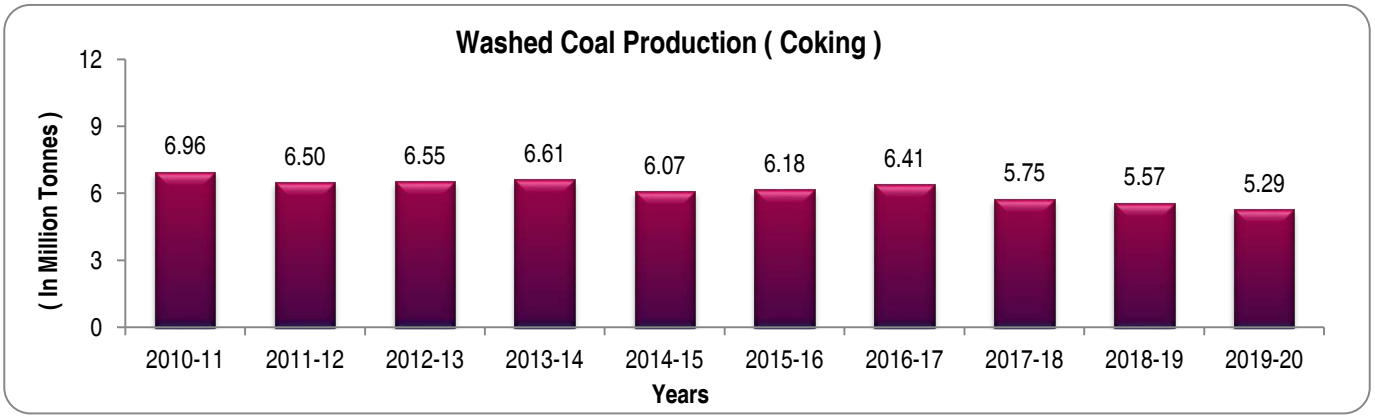
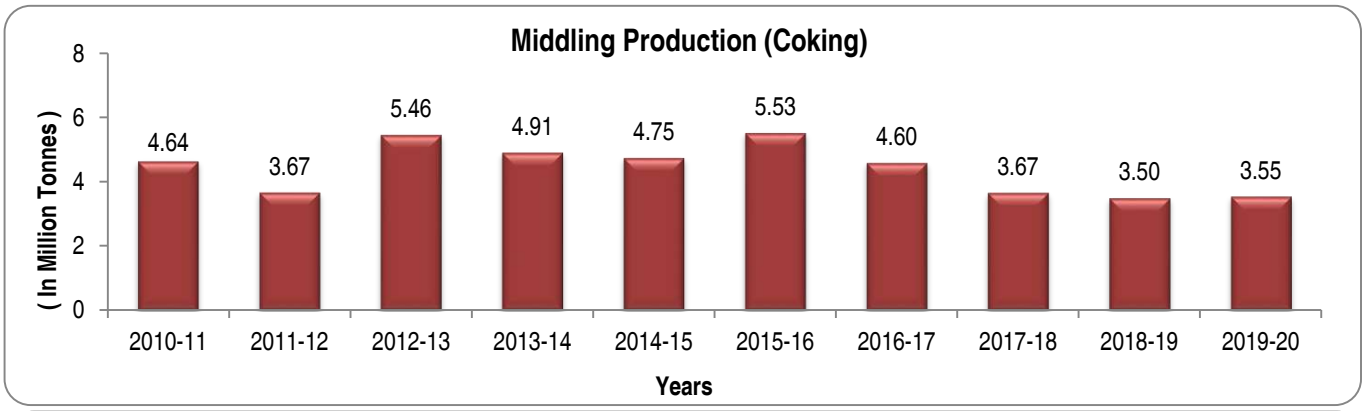


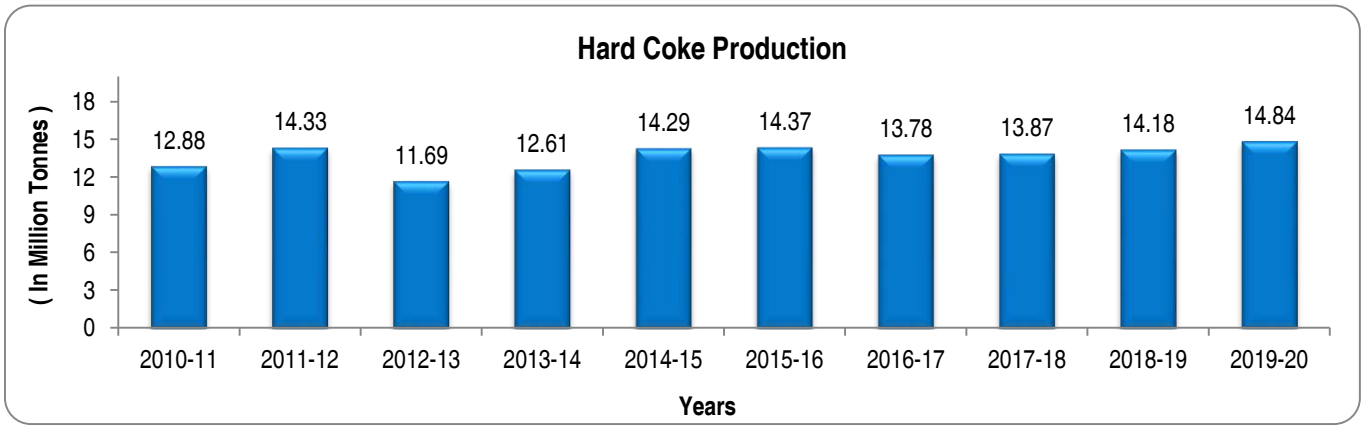
TABLE 3.3: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Washed Coal (Coking)		Washed Coal (N-Coking)		Middlings (Coking)		Middlings (N-Coking)		Hard Coke	
	Production	Growth over previous year (%)	Production	Growth over previous year (%)	Production	Growth over previous year (%)	Production	Growth over previous year (%)	Production (Coking)	Growth over previous year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2010-11	6.955	6.23	14.532	4.08	4.643	0.02	3.589	9.96	12.880	1.71
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	0.00	13.779	-4.10
2017-18	5.753	-10.31	13.999	-30.95	3.670	-20.18	0.000	0.00	13.869	0.65
2018-19	5.570	-3.18	19.363	38.32	3.502	-4.58	0.000	0.00	14.182	2.26
2019-20	5.285	-5.12	18.903	-2.38	3.547	1.28	0.000	0.00	14.844	4.67







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

TABLE 3.4 : QUARTERLY PRODUCTION OF DIFFERENT TYPES OF COAL AND LIGNITE IN LAST THREE YEARS

(Quantity in Million Tonnes)

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)
2017-18												
April-June	9.133	-32.4	22.7	135.085	-1.5	21.3	**144.218**	-4.3	21.4	9.302	4.4	19.9
July-Sept.	8.138	-33.4	20.3	128.968	14.4	20.3	**137.106**	9.7	20.3	9.482	-2.8	20.3
Oct-Dec.	9.771	-37.7	24.3	168.341	5.1	26.5	**178.112**	1.3	26.4	11.967	4.7	25.7
Jan-Mar.	13.106	-35.2	32.6	202.858	9.0	31.9	**215.964**	4.7	32.0	15.893	5.0	34.1
TOTAL	**40.148**	**-34.9**	**100.0**	**635.252**	**6.5**	**100.0**	**675.400**	**2.7**	**100.0**	**46.644**	**3.1**	**100.0**
2018-19												
April-June	9.200	0.7	22.4	155.617	15.2	22.6	**164.817**	14.3	22.6	9.678	4.0	21.9
July-Sept.	10.020	23.1	24.4	135.455	5.0	19.7	**145.475**	6.1	20.0	9.359	-1.3	21.1
Oct-Dec.	9.711	-0.6	23.6	178.493	6.0	26.0	**188.204**	5.7	25.8	11.017	-7.9	24.9
Jan-Mar.	12.201	-6.9	29.7	218.021	7.5	31.7	**230.222**	6.6	31.6	14.229	-10.5	32.1
TOTAL	**41.132**	**2.5**	**100.0**	**687.586**	**8.2**	**100.0**	**728.718**	**7.9**	**100.0**	**44.283**	**-5.1**	**100.0**
2019-20												
April-June	11.810	28.4	22.3	157.076	0.9	23.2	**168.886**	2.5	23.1	9.732	0.6	23.1
July-Sept.	10.720	7.0	20.3	119.616	-11.7	17.6	**130.336**	-10.4	17.8	8.742	-6.6	20.8
Oct-Dec.	12.601	29.8	23.8	168.844	-5.4	24.9	**181.445**	-3.6	24.8	10.320	-6.3	24.5
Jan-Mar.	17.805	45.9	33.6	232.402	6.6	34.3	**250.207**	8.7	34.2	13.302	-6.5	31.6
TOTAL	**52.936**	**28.7**	**100.0**	**677.938**	**-1.4**	**100.0**	**730.874**	**0.3**	**100.0**	**42.096**	**-4.9**	**100.0**

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

(2) **Share (%) is caculated as ratio to yearly production.

TABLE 3.5 : QUARTERLY PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST THREE YEARS

(Quantity in Million Tonnes)

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)
2017-18															
April-June	1.381	-1.9	24.0	2.787	-47.0	19.9	0.945	-22.3	25.7	0	-	-	3.278	-3.7	23.6
July-Sept.	1.336	-7.2	23.2	3.714	-2.0	26.5	0.843	-25.4	23.0	0	-	-	3.527	1.4	25.4
Oct-Dec.	1.407	-18.5	24.5	3.608	-30.3	25.8	0.844	-24.7	23.0	0	-	-	3.459	-0.5	24.9
Jan-Mar.	1.629	-11.5	28.3	3.890	-35.7	27.8	1.038	-8.2	28.3	0	-	-	3.605	5.3	26.0
TOTAL	**5.753**	**-10.3**	**100.0**	**13.999**	**-31.0**	**100.0**	**3.670**	**-20.2**	**100.0**	**0**	**-**	**-**	**13.869**	**0.7**	**100.0**
2018-19															
April-June	1.346	-2.5	24.2	4.278	53.5	22.1	0.841	-11.0	24.0	0	-	-	3.518	7.3	24.8
July-Sept.	1.201	-10.1	21.6	3.990	7.4	20.6	0.772	-8.4	22.0	0	-	-	3.484	-1.2	24.6
Oct-Dec.	1.412	0.4	25.4	5.065	40.4	26.2	0.904	7.1	25.8	0	-	-	3.560	2.9	25.1
Jan-Mar.	1.611	-1.1	28.9	6.030	55.0	31.1	0.985	-5.1	28.1	0	-	-	3.620	0.4	25.5
TOTAL	**5.570**	**-3.2**	**100.0**	**19.363**	**38.3**	**100.0**	**3.502**	**-4.6**	**100.0**	**0**	**-**	**-**	**14.182**	**2.3**	**100.0**
2019-20															
April-June	1.524	13.2	28.8	4.242	-0.8	22.4	1.118	32.9	31.5	0.000	-	-	3.831	8.9	25.8
July-Sept.	1.307	8.8	24.7	3.629	-9.0	19.2	0.896	16.1	25.3	0.000	-	-	3.823	9.7	25.8
Oct-Dec.	1.190	-15.7	22.5	5.187	2.4	27.4	0.720	-20.4	20.3	0.000	-	-	3.594	1.0	24.2
Jan-Mar.	1.264	-21.5	23.9	5.845	-3.1	30.9	0.813	-17.5	22.9	0.000	-	-	3.596	-0.7	24.2
TOTAL	**5.285**	**-5.1**	**100.0**	**18.903**	**-2.4**	**100.0**	**3.547**	**1.3**	**100.0**	**0.000**	**-**	**-**	**14.844**	**4.7**	**100.0**

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

(2) **Share (%) is caculated as ratio to yearly production.

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

(4) Hard Coke data relate to steel plants only.

TABLE 3.6 : MONTHLY PRODUCTION OF DIFFERENT TYPES OF RAW COAL AND LIGNITE DURING 2019-20

(Quantity in Million Tonnes)

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)
2019-20												
Apr-19	3.730	29.6	7.0	51.693	1.8	7.6	55.423	3.3	7.6	2.692	43.3	6.4
May-19	3.788	12.1	7.2	53.917	1.1	8.0	57.705	1.8	7.9	3.553	21.3	8.4
Jun-19	4.292	45.8	8.1	51.466	-0.1	7.6	55.758	2.4	7.6	3.487	-28.4	8.3
1st Quarter	**11.810**	**28.4**	**22.3**	**157.076**	**0.9**	**23.2**	**168.886**	**2.5**	**23.1**	**9.732**	**0.6**	**23.1**
Jul-19	3.700	17.1	7.0	44.404	-3.0	6.5	48.104	-1.7	6.6	2.946	-12.6	7.0
Aug-19	3.665	6.9	6.9	39.058	-10.1	5.8	42.723	-8.9	5.8	2.941	8.1	7.0
Sep-19	3.355	-2.2	6.3	36.154	-21.8	5.3	39.509	-20.5	5.4	2.855	-12.6	6.8
2nd Quarter	**10.720**	**7.0**	**20.3**	**119.616**	**-11.7**	**17.6**	**130.336**	**-10.4**	**17.8**	**8.742**	**-6.6**	**20.8**
Oct-19	3.398	6.8	6.4	46.437	-18.6	6.8	49.835	-17.3	6.8	3.133	-3.6	7.4
Nov-19	4.412	46.5	8.3	57.091	-4.4	8.4	61.503	-1.9	8.4	3.209	-5.8	7.6
Dec-19	4.791	36.3	9.1	65.316	5.8	9.6	70.107	7.4	9.6	3.978	-8.8	9.4
3rd Quarter	**12.601**	**29.8**	**23.8**	**168.844**	**-5.4**	**24.9**	**181.445**	**-3.6**	**24.8**	**10.320**	**-6.3**	**24.5**
Jan-20	5.200	37.0	9.8	70.006	7.5	10.3	75.206	9.1	10.3	4.459	-3.7	10.6
Feb-20	5.626	54.0	10.6	72.540	9.9	10.7	78.166	12.2	10.7	4.697	2.1	11.2
Mar-20	6.979	46.9	13.2	89.856	3.4	13.3	96.835	5.7	13.2	4.146	-17.1	9.8
4th Quarter	**17.805**	**45.9**	**33.6**	**232.402**	**6.6**	**34.3**	**250.207**	**8.7**	**34.2**	**13.302**	**-6.5**	**31.6**
2019-20	**52.936**	**28.7**	**100.0**	**677.938**	**-1.4**	**100.0**	**730.874**	**0.3**	**100.0**	**42.096**	**-4.9**	**100.0**

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

(2) **Share (%) is caculated as ratio to yearly production.

TABLE 3.7: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS DURING 2019-20

(Quantity in Million Tonnes)

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)
2019-20															
Apr-19	0.503	3.7	9.5	1.201	-19.3	6.4	0.346	13.4	9.8	0	-	-	1.267	6.4	8.5
May-19	0.511	15.3	9.7	1.444	-7.0	7.6	0.399	53.5	11.2	0	-	-	1.306	10.0	8.8
Jun-19	0.510	22.0	9.6	1.597	29.1	8.4	0.373	35.1	10.5	0	-	-	1.258	10.4	8.5
1st Quarter	**1.524**	**13.2**	**28.8**	**4.242**	**-0.8**	**22.4**	**1.118**	**32.9**	**31.5**	**0**	**-**	**-**	**3.831**	**8.9**	**25.8**
Jul-19	0.447	10.1	8.5	1.305	12.3	6.9	0.363	61.3	10.2	0	-	-	1.306	18.6	8.8
Aug-19	0.461	11.9	8.7	1.188	-18.7	6.3	0.313	5.0	8.8	0	-	-	1.299	6.0	8.8
Sep-19	0.399	4.2	7.5	1.136	-16.9	6.0	0.220	-11.6	6.2	0	-	-	1.218	5.2	8.2
2nd Quarter	**1.307**	**8.8**	**24.7**	**3.629**	**-9.0**	**19.2**	**0.896**	**16.1**	**25.3**	**0**	**-**	**-**	**3.823**	**9.7**	**25.8**
Oct-19	0.387	-14.9	7.3	1.702	0.9	9.0	0.223	-26.2	6.3	0	-	-	1.223	0.7	8.2
Nov-19	0.401	-11.1	7.6	1.648	4.2	8.7	0.242	-19.6	6.8	0	-	-	1.235	2.7	8.3
Dec-19	0.402	-20.6	7.6	1.837	2.3	9.7	0.255	-15.3	7.2	0	-	-	1.136	-0.6	7.7
3rd Quarter	**1.190**	-15.7	**22.5**	**5.187**	2.4	**27.4**	**0.720**	-20.4	**20.3**	**0**	**-**	**-**	**3.594**	1.0	**24.2**
Jan-20	0.445	-15.4	8.4	1.891	-3.7	10.0	0.295	-7.8	8.3	0	-	-	1.228	-1.0	8.3
Feb-20	0.423	-19.7	8.0	2.070	7.6	11.0	0.283	-12.7	8.0	0	-	-	1.104	3.8	7.4
Mar-20	0.396	-29.0	7.5	1.884	-12.1	10.0	0.235	-31.1	6.6	0	-	-	1.264	-4.0	8.5
4th Quarter	**1.264**	**-21.5**	**23.9**	**5.845**	**-3.1**	**30.9**	**0.813**	**-17.5**	**22.9**	**0**	**-**	**-**	**3.596**	**-0.7**	**24.2**
2019-20	**5.285**	**-5.1**	**100.0**	**18.903**	**-2.4**	**100.0**	**3.547**	**1.3**	**100.0**	**0**	**-**	**-**	**14.844**	**4.7**	**100.0**

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

(2) **Share (%) is caculated as ratio to yearly production.

(3) The above figures relates to Washeries (public & private) of only coal producing companies.
Private washeries (only washeries, having no coal blocks) are not included here.

(4) Hard Coke data relate to steel plants only.

TABLE 3.8 : SHARE OF RAW COAL PRODUCTION BY STATES IN LAST TEN YEARS

(Quantity in Million Tonnes)

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)
2010-11	0.299	0.1	19.1	1.101	0.2	-1.1	113.825	21.4	3.5
2011-12	0.221	0.0	-26.1	0.602	0.1	-45.3	113.958	21.1	0.1
2012-13	0.073	0.0	-67.0	0.605	0.1	0.5	117.830	21.2	3.4
2013-14	0	-	-	0.664	0.1	9.8	127.095	22.5	7.9
2014-15	0	-	-	0.779	0.1	17.3	134.764	22.1	6.0
2015-16	0	-	-	0.487	0.1	-37.5	130.605	20.4	-3.1
2016-17	0	-	-	0.600	0.1	23.2	138.525	21.1	6.1
2017-18	0	-	-	0.781	0.1	30.2	142.546	21.1	2.9
2018-19	0	-	-	0.784	0.1	0.4	161.893	22.2	13.6
2019-20	0	-	-	0.517	0.1	-34.1	157.745	21.6	-2.6

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)
2010-11	0.023	0.0	0.0	108.949	20.5	2.9	71.104	13.3	-4.0
2011-12	0.020	0.0	-13.0	109.566	20.3	0.6	71.123	13.2	0.0
2012-13	0.019	0.0	-5.0	111.274	20.0	1.6	75.948	13.6	6.8
2013-14	0.019	0.0	0.0	113.091	20.0	1.6	75.590	13.4	-0.5
2014-15	0.013	0.0	-31.6	124.143	20.4	9.8	87.609	14.4	15.9
2015-16	0.013	0.0	0.0	121.067	18.9	-2.5	107.714	16.9	22.9
2016-17	0.010	0.0	-23.1	126.435	19.2	4.4	105.013	16.0	-2.5
2017-18	0.014	0.0	40.0	123.297	18.3	-2.5	112.127	16.6	6.8
2018-19	0.013	0.0	-7.1	134.666	18.5	9.2	118.661	16.3	5.8
2019-20	0.014	0.0	7.7	131.763	18.0	-2.2	125.726	17.2	6.0

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)
2010-11	39.336	7.4	-4.1	6.974	1.3	17.3	102.565	19.3	-3.6
2011-12	39.159	7.3	-0.4	7.206	1.3	3.2	105.476	19.5	2.8
2012-13	39.134	7.0	-0.1	5.640	1.0	-27.8	110.132	19.8	4.4
2013-14	37.223	6.6	-4.9	5.732	1.0	1.6	112.917	20.0	2.5
2014-15	38.257	6.3	2.8	2.524	0.4	-127.1	123.627	20.3	9.5
2015-16	38.351	6.0	0.2	3.712	0.6	32.0	138.461	21.7	12.0
2016-17	40.559	6.2	5.8	2.308	0.4	-60.8	139.359	21.2	0.6
2017-18	42.219	6.3	4.1	1.529	0.2	-50.9	143.328	21.2	2.8
2018-19	49.818	6.8	18.0	0.000	0.0	0.0	144.312	19.8	0.7
2019-20	54.746	7.5	9.9	0.000	0.0	0.0	143.016	19.6	-0.9

Note: The State of Chhattisgarh is curved out of the state of Madhya Pradesh w.e.f 1st November 2000.

Note: The State of Jharkhand is curved out of the state of Bihar w.e.f 15th Nov.2000.

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TABLE 3.8 : SHARE OF RAW COAL PRODUCTION BY STATES IN LAST TEN YEARS

(Quantity in Million Tonnes)

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)
2010-11	51.333	9.6	1.8	15.526	2.9	11.2	21.659	4.1	-6.4
2011-12	52.211	9.7	1.7	16.178	3.0	4.2	24.230	4.5	11.9
2012-13	53.190	9.6	1.9	16.090	2.9	-0.5	26.467	4.8	9.2
2013-14	50.469	8.9	-5.1	14.721	2.6	-8.5	28.244	5.0	6.7
2014-15	52.536	8.6	4.1	14.957	2.5	1.6	29.970	4.9	6.1
2015-16	60.380	9.4	14.9	12.689	2.0	-15.2	25.751	4.0	-14.1
2016-17	61.336	9.3	1.6	16.056	2.4	26.5	27.667	4.2	7.4
2017-18	62.010	9.2	1.1	18.309	2.7	14.0	29.240	4.3	5.7
2018-19	65.160	8.9	5.1	20.275	2.8	10.7	33.136	4.5	13.3
2019-20	65.703	9.0	0.8	18.030	2.5	-11.1	33.614	4.6	1.4

Year	ALL INDIA	
	Quantity	Growth (%)
(41)	(42)	(43)
2010-11	**532.694**	**0.1**
2011-12	**539.950**	**1.4**
2012-13	**556.402**	**3.0**
2013-14	**565.765**	**1.7**
2014-15	**609.179**	**7.7**
2015-16	**639.230**	**4.9**
2016-17	**657.868**	**2.9**
2017-18	**675.400**	**2.7**
2018-19	**728.718**	**7.9**
2019-20	**730.874**	**0.3**

TABLE 3.9 : SHARE OF LIGNITE PRODUCTION BY STATES IN LAST TEN YEARS

(Quantity in Million Tonnes)

Year	State: Tamilnadu			State: Gujarat			State: Rajasthan		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2010-11	23.144	61.3	3.6	13.064	34.6	24.1	1.525	4.0	26.3
2011-12	24.590	58.1	6.2	14.779	34.9	13.1	2.963	7.0	94.3
2012-13	24.844	53.5	1.0	14.528	31.3	-1.7	7.081	15.2	139.0
2013-14	25.056	56.6	0.9	11.588	26.2	-20.2	7.627	17.2	7.7
2014-15	25.190	52.2	0.5	12.317	25.5	6.3	10.763	22.3	41.1
2015-16	24.227	55.3	-3.8	10.123	23.1	-17.8	9.492	21.7	-11.8
2016-17	26.204	57.9	8.2	10.546	23.3	4.2	8.480	18.7	-10.7
2017-18	23.569	50.5	-10.1	13.781	29.5	30.7	9.294	19.9	9.6
2018-19	23.041	52.0	-2.2	12.566	28.4	-8.8	8.676	19.6	-6.6
2019-20	23.516	55.9	2.1	10.357	24.6	-17.6	8.223	19.5	-5.2

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
2010-11	**37.733**	10.7
2011-12	**42.332**	12.2
2012-13	**46.453**	9.7
2013-14	**44.271**	-4.7
2014-15	**48.270**	9.0
2015-16	**43.842**	-9.2
2016-17	**45.230**	3.2
2017-18	**46.644**	3.1
2018-19	**44.283**	-5.1
2019-20	**42.096**	-4.9

TABLE 3.10 : TRENDS OF COMPANY WISE PRODUCTION OF COAL & LIGNITE DURING LAST THREE YEARS

[Quantity in Milllion Tonnes]

Company	2017-18			2018-19			2019-20		
	Coking	Non-coking	Total	Coking	Non-coking	Total	Coking	Non-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.034	43.534	**43.568**	0.029	50.131	**50.160**	0.026	50.375	**50.401**
BCCL	23.304	9.303	**32.607**	24.339	6.700	**31.039**	25.945	1.784	**27.729**
CCL	9.577	53.828	**63.405**	9.340	59.381	**68.721**	20.027	46.862	**66.889**
NCL		93.018	**93.018**		101.503	**101.503**		108.053	**108.053**
WCL	0.180	46.040	**46.220**	0.188	52.992	**53.180**	0.178	57.458	**57.636**
SECL	0.182	139.973	**140.155**	0.247	152.150	**152.397**	0.250	146.875	**147.125**
SECL(GP-IV/2&3)		3.227	**3.227**		3.271	**3.271**		2.659	**2.659**
SECL(GP-IV/1)		1.327	**1.327**		1.681	**1.681**		0.762	**0.762**
MCL		143.058	**143.058**		144.151	**144.151**		140.358	**140.358**
NEC		0.781	**0.781**		0.784	**0.784**		0.517	**0.517**
CIL	**33.277**	**534.089**	**567.366**	**34.143**	**572.744**	**606.887**	**46.426**	**555.703**	**602.129**
SCCL		62.010	**62.010**		64.401	**64.401**		64.044	**64.044**
JKML		0.014	**0.014**		0.013	**0.013**		0.014	**0.014**
DVC	0.047		**0.047**			**0.000**	0.000	0.000	**0.000**
IISCO	0.415	0.378	**0.793**	0.443	0.300	**0.743**	0.300	0.234	**0.534**
SAIL	0.185	0.000	**0.185**		0.000	**0.000**		0.000	**0.000**
JSMDCL		0.351	**0.351**		0.228	**0.228**		0.068	**0.068**
RRVUNL		8.329	**8.329**		15.000	**15.000**		15.000	**15.000**
NTPC		2.679	**2.679**		7.311	**7.311**		11.151	**11.151**
WBPDCL			**0.000**		0.400	**0.400**		2.112	**2.112**
CSPGCL			**0.000**			**0.000**		0.510	**0.510**
TSPGCL			**0.000**		0.759	**0.759**		1.659	**1.659**
OCPL			**0.000**			**0.000**		1.003	**1.003**
Total Public	**33.924**	**607.850**	**641.774**	**34.586**	**661.156**	**695.742**	**46.726**	**651.498**	**698.224**
TSL	6.224	0.000	**6.224**	6.546	0.000	**6.546**	6.210	0.000	**6.210**
Meghalaya		1.529	**1.529**		0.000	**0.000**		0.000	**0.000**
BALCO		0.000	**0.000**		0.667	**0.667**		1.000	**1.000**
CESC		1.878	**1.878**		1.856	**1.856**		1.958	**1.958**
GMR		0.270	**0.270**		0.000	**0.000**		0.000	**0.000**
HIL		2.414	**2.414**		2.173	**2.173**		0.729	**0.729**
JPVL		2.800	**2.800**		2.800	**2.800**		2.800	**2.800**
SIL		0.270	**0.270**		0.270	**0.270**		0.270	**0.270**
SPL		18.003	**18.003**		18.000	**18.000**		18.700	**18.700**
RCCPL		0.063	**0.063**		0.103	**0.103**		0.182	**0.182**
TUML		0.175	**0.175**		0.300	**0.300**		0.286	**0.286**
OCL					0.161	**0.161**		0.115	**0.115**
AMBUJA					0.100	**0.100**		0.400	**0.400**
Total Private	**6.224**	**27.402**	**33.626**	**6.546**	**26.430**	**32.976**	**6.210**	**26.440**	**32.650**
ALL INDIA	**40.148**	**635.252**	**675.400**	**41.132**	**687.586**	**728.718**	**52.936**	**677.938**	**730.874**
LIGNITE									
NLC			**25.153**			**24.250**			**24.864**
GMDCL			**10.601**			**9.160**			**6.957**
GIPCL			**3.123**			**3.313**			**3.342**
RSMML			**1.019**			**1.317**			**0.790**
GHCL			**0.057**			**0.093**			**0.058**
VSLPPL			**0.426**			**0.305**			**0.672**
BLMCL			**6.265**			**5.845**			**5.413**
ALL INDIA			**46.644**			**44.283**			**42.096**
COAL & LIGNITE			**722.044**			**773.001**			**772.970**

TABLE 3.11: STATEWISE PRODUCTION OF RAW COAL BY TYPES IN LAST FIVE YEARS

(Quantity in Million Tonnes)

State	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)
COKING					
Chhattisgarh	0.135	0.110	0.182	0.247	0.250
Jharkhand	58.548	59.604	38.768	39.641	52.364
Madhya Pradesh	0.209	0.131	0.180	0.188	0.178
West Bengal	1.995	1.816	1.018	1.056	0.144
Total Coking	**60.887**	**61.661**	**40.148**	**41.132**	**52.936**
NON-COKING					
Arunachal Pradesh	0.000	0.000	0.000	0.000	0.000
Assam	0.487	0.600	0.781	0.784	0.517
Chhattisgarh	130.470	138.415	142.364	161.646	157.495
Jammu & Kashmir	0.013	0.010	0.014	0.013	0.014
Jharkhand	62.519	66.831	84.529	95.025	79.399
Madhya Pradesh	107.505	104.882	111.947	118.473	125.548
Maharashtra	38.351	40.559	42.219	49.818	54.746
Meghalaya	3.712	2.308	1.529	0.000	0.000
Odisha	138.461	139.359	143.328	144.312	143.016
Telangana	60.380	61.336	62.010	65.160	65.703
Uttar Pradesh	12.689	16.056	18.309	20.275	18.030
West Bengal	23.756	25.851	28.222	32.080	33.470
Total Non-Coking	**578.343**	**596.207**	**635.252**	**687.586**	**677.938**
Total Coal	**639.230**	**657.868**	**675.400**	**728.718**	**730.874**

TABLE 3.12: STATEWISE PRODUCTION OF LIGNITE IN LAST FIVE YEARS

(Quantity in Million Tonnes)

State	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)	(5)	(6)
Gujarat	10.123	10.546	13.781	12.566	10.357
Rajasthan	9.492	8.480	9.294	8.676	8.223
Tamilnadu	24.227	26.204	23.569	23.041	23.516
TOTAL	**43.842**	**45.230**	**46.644**	**44.283**	**42.096**

TABLE 3.13: STATEWISE AND COMPANYWISE PRODUCTION OF RAW COAL BY TYPES IN LAST THREE YEARS

[Quantity in Million Tonnes]

States	Coal Company	2017-2018			2018-2019			2019-2020		
		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**		**0.781**	**0.781**		**0.784**	**0.784**		**0.517**	**0.517**
Chhattisgarh	SECL	0.182	127.867	**128.049**	0.247	139.552	**139.799**	0.250	136.300	**136.550**
Chhattisgarh	SECL(GP-IV/2&3)		3.227	**3.227**		3.271	**3.271**		2.659	**2.659**
Chhattisgarh	SECL(GP-IV/1)		1.327	**1.327**		1.681	**1.681**		0.762	**0.762**
Chhattisgarh	RRVUNL		8.329	**8.329**		15.000	**15.000**		15.000	**15.000**
Chhattisgarh	HIL (GP-IV/4)		0.939	**0.939**		0.838	**0.838**		0.548	**0.548**
Chhattisgarh	HIL (GP-IV/5)		0.675	**0.675**		0.537	**0.537**		0.126	**0.126**
Chhattisgarh	CSPGCL		0.675	**0.675**		0.537	**0.537**		0.510	**0.510**
Chhattisgarh	NTPC		0.675	**0.675**		0.537	**0.537**		0.190	**0.190**
Chhattisgarh	AMBUJA			**0.000**		0.100	**0.100**		0.400	**0.400**
Chhattisgarh	BALCO		0.000	**0.000**		0.667	**0.667**		1.000	**1.000**
Chhattisgarh	**TOTAL**	**0.182**	**143.714**	**143.896**	**0.247**	**162.720**	**162.967**	**0.250**	**157.495**	**157.745**
Jammu & Kashmir	**JKML**		**0.014**	**0.014**		**0.013**	**0.013**		**0.014**	**0.014**
Jharkhand	ECL	0.034	17.930	**17.964**	0.029	20.736	**20.765**	0.026	21.209	**21.235**
Jharkhand	BCCL	22.286	8.940	**31.226**	23.283	6.568	**29.851**	25.801	1.784	**27.585**
Jharkhand	CCL	9.577	53.828	**63.405**	9.340	59.381	**68.721**	20.027	46.862	**66.889**
Jharkhand	JSMDCL		0.351	**0.351**		0.228	**0.228**		0.068	**0.068**
Jharkhand	DVC	0.047		**0.047**	0.000		**0.000**	0.000		**0.000**
Jharkhand	IISCOCJ	0.415	0.001	**0.416**	0.443	0.003	**0.446**	0.300	0.000	**0.300**
Jharkhand	SAIL	0.185		**0.185**	0.000		**0.000**	0.000		**0.000**
Jharkhand	NTPC		2.679	**2.679**		7.311	**7.311**		9.421	**9.421**
Jharkhand	TSL	6.224		**6.224**	6.546		**6.546**	6.210		**6.210**
Jharkhand	HIL_KOC		0.800	**0.800**		0.798	**0.798**		0.055	**0.055**
Jharkhand	**TOTAL**	**38.768**	**84.529**	**123.297**	**39.641**	**95.025**	**134.666**	**52.364**	**79.399**	**131.763**
Madhya Pradesh	NCL		74.709	**74.709**		81.228	**81.228**		90.023	**90.023**
Madhya Pradesh	WCL	0.180	4.266	**4.446**	0.188	3.744	**3.932**	0.178	3.268	**3.446**
Madhya Pradesh	SECL		12.106	**12.106**		12.598	**12.598**		10.575	**10.575**
Madhya Pradesh	SPL		18.003	**18.003**		18.000	**18.000**		18.700	**18.700**
Madhya Pradesh	JPVL		2.800	**2.800**		2.800	**2.800**		2.800	**2.800**
Madhya Pradesh	RCCPL		0.063	**0.063**		0.103	**0.103**		0.182	**0.182**
Madhya Pradesh	**TOTAL**	**0.180**	**111.947**	**112.127**	**0.188**	**118.473**	**118.661**	**0.178**	**125.548**	**125.726**
Maharashtra	WCL		41.774	**41.774**		49.248	**49.248**		54.190	**54.190**
Maharashtra	SIL		0.270	**0.270**		0.270	**0.270**		0.270	**0.270**
Maharashtra	TUML		0.175	**0.175**		0.300	**0.300**		0.286	**0.286**
Maharashtra	**TOTAL**		**42.219**	**42.219**		**49.818**	**49.818**		**54.746**	**54.746**
Meghalaya	**MEG**		**1.529**	**1.529**		**0.000**	**0.000**		**0.000**	**0.000**
Odisha	MCL		143.058	**143.058**		144.151	**144.151**		140.358	**140.358**
Odisha	OCPL						0.000		1.003	1.003
Odisha	GMR		0.270	**0.270**		0.000	**0.000**		0.000	**0.000**
Odisha	NTPC		0.270	**0.270**		0.000	**0.000**		1.540	**1.540**
Odisha	OCL					0.161	0.161		0.115	0.115
Odisha	**TOTAL**		**143.598**	**143.598**		**144.312**	**144.312**		**143.016**	**143.016**
Telangana	SCCL		62.010	**62.010**		64.401	64.401		64.044	64.044
Telangana	TSPGCL					0.759	**0.759**		1.659	**1.659**
Telangana	**TOTAL**	**0.000**	**62.010**	**62.010**		**65.160**	**65.160**		**65.703**	**65.703**
Uttar Pradesh	**NCL**		**18.309**	**18.309**		**20.275**	**20.275**		**18.030**	**18.030**
West Bengal	ECL		25.604	**25.604**		29.395	**29.395**		29.166	**29.166**
West Bengal	BCCL	1.018	0.363	**1.381**	1.056	0.132	**1.188**	0.144	0.000	**0.144**
West Bengal	WBPDCL					0.400	0.400		2.112	2.112
West Bengal	IISCOR		0.377	**0.377**		0.297	**0.297**		0.234	**0.234**
West Bengal	CESC		1.878	**1.878**		1.856	**1.856**		1.958	**1.958**
West Bengal	**TOTAL**	**1.018**	**28.222**	**29.240**	**1.056**	**32.080**	**33.136**	**0.144**	**33.470**	**33.614**
Total Public		**33.924**	**609.470**	**643.394**	**34.586**	**662.230**	**696.816**	**46.726**	**651.498**	**698.224**
Total Private	**TOTAL**	**6.224**	**27.402**	**33.626**	**6.546**	**26.430**	**32.976**	**6.210**	**26.440**	**32.650**
All India		**40.148**	**636.872**	**677.020**	**41.132**	**688.660**	**729.792**	**52.936**	**677.938**	**730.874**

TABLE 3.14: COMPANYWISE PRODUCTION OF DIFFERENT COAL PRODUCTS (COKING) IN LAST THREE YEARS

(Quantity in Thousand Tonnes)

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)
2017-18	BCCL	801	634					
	CCL	1115	1222					
	WCL							
	DCC				6	9	1	37
	SAIL			7940				
	IISCO	660	485	877				
	RINL			2523				
	TSL	3177	1329	2529				
	TOTAL	**5753**	**3670**	**13869**	**6**	**9**	**1**	**37**
2018-19	BCCL	634	766					
	CCL	805	1108					
	WCL							
	DCC				3	4	3	48
	SAIL			8215				
	IISCO	396	275	915				
	RINL			2523				
	TSL	3735	1353	2529				
	TOTAL	**5570**	**3502**	**14182**	**3**	**4**	**3**	**48**
2019-20	BCCL	664	812					
	CCL	762	1093					
	WCL							
	DCC				1	1	2	32
	SAIL			9794				
	IISCO	386	413	0				
	RINL			2479				
	TSL	3473	1229	2571				
	TOTAL	**5285**	**3547**	**14844**	**1**	**1**	**2**	**32**

Coke production of RINL is included in this table.

TABLE 3.15: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2019-20

(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						0.026						0.026	**0.026**
BCCL	0.018	0.132		0.031	1.490	5.290	18.984				25.945		**25.945**
CCL					0.372	1.087	8.926	9.635	0.007		2.818	17.209	**20.027**
NCL													**0.000**
WCL							0.178				0.178		**0.178**
SECL			0.250									0.250	**0.250**
SECL(GP-IV/2&3)													**0.000**
SECL(GP-IV/1)													**0.000**
MCL													**0.000**
NEC													**0.000**
CIL	**0.018**	**0.132**	**0.250**	**0.031**	**1.862**	**6.403**	**28.088**	**9.635**	**0.007**	**0.000**	**28.941**	**17.485**	**46.426**
SCCL													**0.000**
JKML													**0.000**
JSMDCL													**0.000**
DVC													**0.000**
IISCO						0.070	0.230				0.300		**0.300**
SAIL													**0.000**
RRVUNL													**0.000**
NTPC													**0.000**
WBPDCL													**0.000**
CSPGCL													**0.000**
TSPGCL													**0.000**
OCPL													**0.000**
Total Public	**0.018**	**0.132**	**0.250**	**0.031**	**1.862**	**6.473**	**28.318**	**9.635**	**0.007**	**0.000**	**29.241**	**17.485**	**46.726**
TSL				0.105	0.441	0.888	4.776				6.210		**6.210**
BALCO													**0.000**
CESC													**0.000**
GMR													**0.000**
HIL													**0.000**
JPVL													**0.000**
SIL													**0.000**
SPL													**0.000**
RCCPL													**0.000**
TUML													**0.000**
OCL													**0.000**
AMBUJA													**0.000**
Total Private	**0.000**	**0.000**	**0.000**	**0.105**	**0.441**	**0.888**	**4.776**	**0.000**	**0.000**	**0.000**	**6.210**	**0.000**	**6.210**
ALL INDIA	**0.018**	**0.132**	**0.250**	**0.136**	**2.303**	**7.361**	**33.094**	**9.635**	**0.007**	**0.000**	**35.451**	**17.485**	**52.936**

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TABLE 3.15A: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2019-20

(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	UNG	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			1.641	14.305	10.226	1.236	4.081	1.512		0.130			17.244						**50.375**	**50.401**
BCCL					0.038	0.364	0.479	0.875	0.008	0.020									**1.784**	**27.729**
CCL					0.476	0.461	1.014	4.279	9.205	4.604	13.810	8.498	4.515						**46.862**	**66.889**
NCL							25.140	24.198	1.766	35.996	15.038	5.915							**108.053**	**108.053**
WCL						0.148	0.337	1.917	7.211	18.253	17.887	6.956	4.749						**57.458**	**57.636**
SECL			1.590	0.153	3.091	2.105	4.491	4.660	4.022	2.931	110.883	1.150	5.452	1.559	4.785	0.003			**146.875**	**147.125**
SECL(GP-IV/2&3)												0.174		0.466		2.019			**2.659**	**2.659**
SECL(GP-IV/1)															0.014		0.748		**0.762**	**0.762**
MCL								0.085	0.030			44.234	35.665	52.602	7.742				**140.358**	**140.358**
NEC	0.021	0.288		0.014		0.194													**0.517**	**0.517**
CIL	**0.021**	**0.288**	**3.231**	**14.472**	**13.831**	**4.508**	**35.542**	**37.526**	**22.242**	**61.934**	**157.618**	**66.927**	**67.625**	**54.627**	**12.541**	**2.022**	**0.748**	**0.000**	**555.703**	**602.129**
SCCL					0.682	0.042	3.560	4.923	6.206	6.514	11.732	3.582	16.722	3.165	5.057	1.550	0.134	0.175	**64.044**	**64.044**
JKML																	0.014		**0.014**	**0.014**
JSMDCL												0.068							**0.068**	**0.068**
DVC																			**0.000**	**0.000**
IISCO					0.120		0.114												**0.234**	**0.534**
SAIL																			**0.000**	**0.000**
RRVUNL											10.153					0.461	4.386		**15.000**	**15.000**
NTPC									9.421		0.190		1.540						**11.151**	**11.151**
WBPDCL							1.506						0.606						**2.112**	**2.112**
CSPGCL												0.139	0.371						**0.510**	**0.510**
TSPGCL								1.659											**1.659**	**1.659**
OCPL														1.003					**1.003**	**1.003**
Total Public	**0.021**	**0.288**	**3.231**	**14.472**	**14.633**	**4.550**	**40.722**	**44.108**	**37.869**	**68.448**	**179.693**	**70.716**	**86.864**	**58.795**	**17.598**	**4.033**	**5.282**	**0.175**	**651.498**	**698.224**
TSL																			**0.000**	**6.210**
BALCO								0.667			0.067	0.266							**1.000**	**1.000**
CESC											1.958								**1.958**	**1.958**
GMR																			**0.000**	**0.000**
HIL						0.055	0.054	0.319		0.009	0.021	0.271							**0.729**	**0.729**
JPVL											2.800								**2.800**	**2.800**
SIL								0.270											**0.270**	**0.270**
SPL										9.432	9.268								**18.700**	**18.700**
RCCPL								0.182											**0.182**	**0.182**
TUML												0.286							**0.286**	**0.286**
OCL							0.115												**0.115**	**0.115**
AMBUJA										0.246	0.065	0.089							**0.400**	**0.400**
Total Private	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.055**	**0.169**	**1.438**	**0.000**	**9.687**	**14.179**	**0.912**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**26.440**	**32.650**
ALL INDIA	**0.021**	**0.288**	**3.231**	**14.472**	**14.633**	**4.605**	**40.891**	**45.546**	**37.869**	**78.135**	**193.872**	**71.628**	**86.864**	**58.795**	**17.598**	**4.033**	**5.282**	**0.175**	**677.938**	**730.874**

TABLE 3.16: GRADEWISE PRODUCTION OF COKING COAL AND NON COKING COAL BY STATES IN 2019-20

(Quantity in Million Tonnes)

Grade	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Madhya Pradesh	Maharashtra	Odisha	Telangana	Uttar Pradesh	West Bengal	India (2019-20)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Steel-I				0.018							**0.018**
Steel-II				0.132							**0.132**
SC		0.250									**0.250**
Wash-I				0.136							**0.136**
Wash-II				2.244						0.059	**2.303**
Wash-III				7.276						0.085	**7.361**
Wash-IV				32.916	0.178						**33.094**
Wash-V				9.635							**9.635**
Wash-VI				0.007							**0.007**
mgfeed											**0.000**
Met.Coal				35.129	0.178					0.144	**35.451**
Non Met		0.250		17.235							17.485
Total Coking	**0.000**	**0.250**	**0.000**	**52.364**	**0.178**	**0.000**	**0.000**	**0.000**	**0.000**	**0.144**	**52.936**
G1	0.021										**0.021**
G2	0.288										**0.288**
G3		1.590		0.612						1.029	**3.231**
G4	0.014	0.123			0.030					14.305	**14.472**
G5		2.512		1.301	0.579			0.682		9.559	**14.633**
G6	0.194	0.948		0.912	1.305			0.042		1.204	**4.605**
G7		2.386		3.548	27.535	0.101	0.115	3.560		3.646	**40.891**
G8		2.662		5.503	13.275	1.350	0.085	6.582	14.926	1.163	**45.546**
G9		1.247		18.634	5.020	6.356	0.030	6.206	0.376		**37.869**
G10		2.447		4.754	43.938	18.114		6.514	2.368		**78.135**
G11		121.379		13.810	26.747	17.886		11.732	0.360	1.958	**193.872**
G12		2.089		8.566	6.802	6.355	44.234	3.582			**71.628**
G13		5.823		21.759	0.165	4.584	37.205	16.722		0.606	**86.864**
G14		1.873			0.152		53.605	3.165			**58.795**
G15		4.799					7.742	5.057			**17.598**
G16		2.483						1.550			**4.033**
G17		5.134	0.014					0.134			**5.282**
UNG								0.175			**0.175**
Total Non-Coking	**0.517**	**157.495**	**0.014**	**79.399**	**125.548**	**54.746**	**143.016**	**65.703**	**18.030**	**33.470**	**677.938**
India (19-20)	**0.517**	**157.745**	**0.014**	**131.763**	**125.726**	**54.746**	**143.016**	**65.703**	**18.030**	**33.614**	**730.874**

TABLE 3.17: GRADEWISE PRODUCTION OF COKING COAL AND NON COKING COAL IN INDIA DURING LAST TEN YEARS

(Quantity in Million Tonnes)

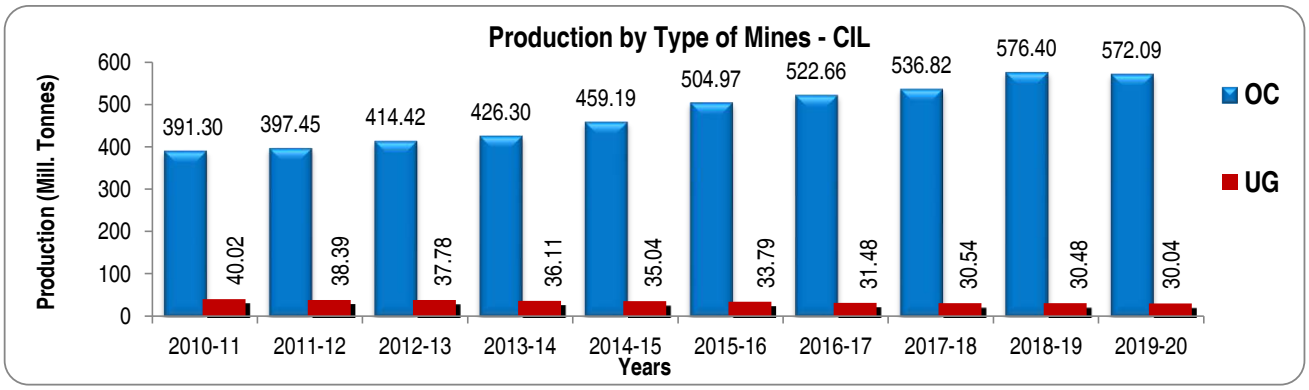
Type	Grade	2010-11	2011-12	Grade (New)	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)		(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
PRODUCTION OF COKING COAL	Steel-I	0.263	0.083	Steel-I	0.072	0.061	0.050	0.037	0.023	0.155	0.035	0.018
	Steel-II	1.558	1.135	Steel-II	1.37	0.604	0.456	1.051	1.004	0.051	0.000	0.132
	SC-1	0.17	0.199	SC-1	0.167	0.135	0.130	0.135	0.110	0.182	0.247	0.250
	Wash-I	0.235	0.246	Wash-I	0.26	0.145	0.115	0.415	0.315	0.176	0.058	0.136
	Wash-II	1.757	1.815	Wash-II	1.711	2.042	2.228	2.493	3.420	4.552	4.339	2.303
	Wash-III	10.165	13.147	Wash-III	12.346	12.616	12.335	12.968	10.796	3.991	6.577	7.361
	Wash-IV	35.399	35.035	Wash-IV	35.656	40.962	42.132	43.788	45.993	31.041	29.874	33.094
	Wash-V			Wash-V								9.635
	Wash-VI			Wash-VI								0.007
	SLV1	0	0	SLV1	0	0.253	0	0	0	0	0.002	0.000
	Met.Coal	17.695	13.784	Met.Coal	14.547	15.114	13.784	14.339	15.254	32.866	34.028	35.451
PRODUCTION OF NON - COKING COAL	Non Met	31.852	37.876	Non Met	37.035	41.704	43.662	46.548	46.344	7.282	7.104	17.485
	Total Coking	**49.547**	**51.660**	**Total Coking**	**51.582**	**56.818**	**57.446**	**60.887**	**61.661**	**40.148**	**41.132**	**52.936**
	A	12.182	14.942	G1	5.899	6.13	2.740	3.831	2.418	1.710	0.087	0.021
	B	24.023	59.312	G2	0.48	0.416	0.565	0.341	0.309	0.264	0.480	0.288
	C	55.581	28.918	G3	5.622	5.374	5.469	5.189	5.279	3.513	3.313	3.231
	D	45.710	77.109	G4	17.619	21.526	19.025	17.665	17.319	14.535	15.545	14.472
	E	121.227	78.257	G5	15.162	13.236	14.789	16.302	13.600	14.730	12.453	14.633
	F	212.693	205.194	G6	22.708	17.714	22.680	13.114	14.140	10.868	7.900	4.605
	G	10.612	13.712	G7	34.842	35.837	37.838	39.038	35.574	36.817	41.348	40.891
				G8	24.189	28.273	30.523	33.15	29.574	40.980	54.420	45.546
				G9	66.817	57.003	52.704	44.579	38.924	27.547	35.595	37.869
				G10	59.118	55.405	64.411	82.855	98.175	91.478	84.227	78.135
				G11	120.369	126.328	130.703	147.46	143.233	179.975	199.705	193.872
				G12	36.932	56.372	79.169	90.578	91.786	53.418	66.297	71.628
				G13	81.09	68.984	76.348	77.619	90.937	101.743	111.210	86.864
				G14	3.168	4.556	5.054	1.439	6.419	44.637	41.037	58.795
				G15	3.968	3.858	3.806	4.073	3.263	7.894	6.885	17.598
				G16	1.63	3.093	2.627	0.418	4.505	3.544	3.847	4.033
				G17	5.207	4.786	3.258	0.666	0.459	1.467	3.109	5.282
	Ungraded	1.119	10.846	Ungraded		0.056	0.024	0.026	0.293	0.132	0.128	0.175
Total Non-Coking		**483.147**	**488.290**		**504.820**	**508.947**	**551.733**	**578.343**	**596.207**	**635.252**	**687.586**	**677.938**
TOTAL COAL		**532.694**	**539.950**		**556.402**	**565.765**	**609.179**	**639.230**	**657.868**	**675.400**	**728.718**	**730.874**

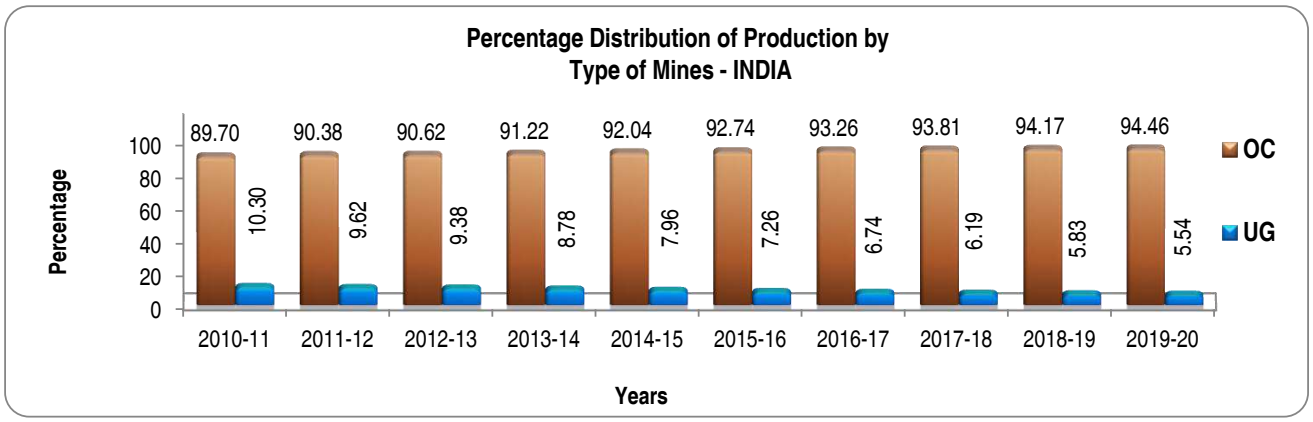
Note: (1) Meghalaya Coal has not been graded by Coal Controller. For Statistical purpose grade may be treated as "A" / "B" non-coking coal.
(2) For definition of grade please see page I.2

TABLE 3.18: TRENDS OF PRODUCTION OF RAW COAL FROM OPENCAST AND UNDERGROUND MINES IN LAST TEN YEARS

(Quantity in Million Tonnes)

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)
2010-11	391.303	39.705	477.839	89.70	0.91	40.018	11.628	54.855	10.30	-6.27	**532.694**	**0.12**
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**





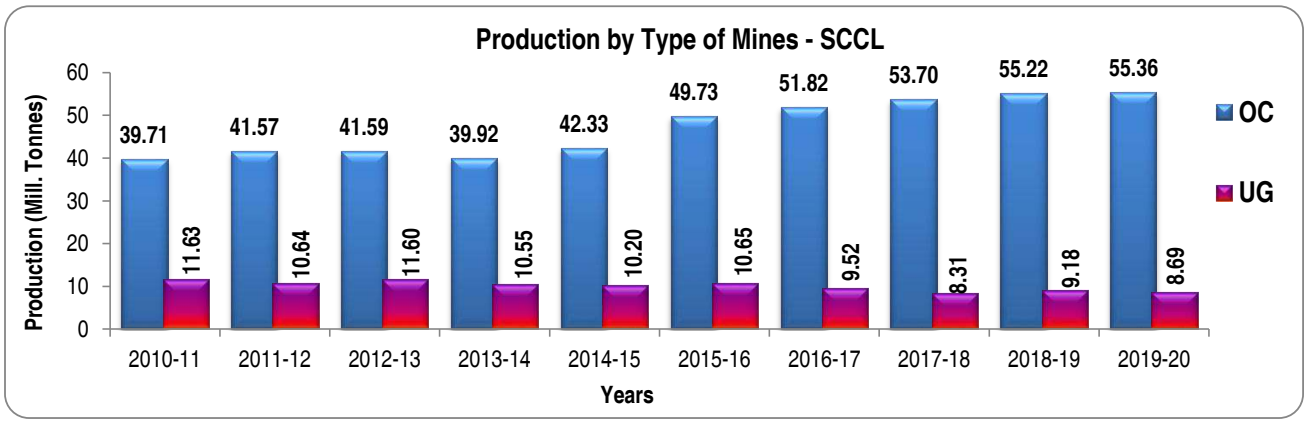


TABLE 3.19 : COMPANY WISE PRODUCTION OF RAW COAL FROM OPENCAST AND UNDER GROUND MINES IN TWO YEARS

(Quantity in Million Tonnes)

COMPANIES	2018 - 2019						2019 - 2020					
	OPENCAST			UNDER GROUND			OPENCAST			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	41.099	5.99	17.54	9.061	21.32	5.32	41.195	5.97	0.23	9.206	22.64	1.60
BCCL	30.139	4.39	-4.41	0.900	2.12	-16.36	26.687	3.87	-11.45	1.042	2.56	15.78
CCL	68.408	9.97	8.58	0.313	0.74	-22.72	66.186	9.59	-3.25	0.703	1.73	124.60
NCL	101.503	14.79	9.12		0.00	0.00	108.053	15.66	6.45		0.00	0.00
WCL	48.615	7.08	17.81	4.565	10.74	-7.85	53.476	7.75	10.00	4.160	10.23	-8.87
SECL	137.624	20.06	9.49	14.773	34.76	2.16	133.035	19.27	-3.33	14.090	34.65	-4.62
SECL(GP-IV/2&3)	3.271	0.48	1.36		0.00	0.00	2.659	0.39	-18.71		0.00	0.00
SECL(GP-IV/1)	1.681	0.24	26.68		0.00	0.00	0.762	0.11	-54.67		0.00	0.00
MCL	143.280	20.88	0.89	0.871	2.05	-16.33	139.522	20.21	-2.62	0.836	2.06	-4.02
NEC	0.784	0.11	0.77		0.00	-100.00	0.517	0.07	-34.06		0.00	0.00
CIL	**576.404**	**84.00**	**7.37**	**30.483**	**71.72**	**-0.20**	**572.092**	**82.89**	**-0.75**	**30.037**	**73.86**	**-1.46**
SCCL	55.223	8.05	2.84	9.178	21.59	10.45	55.359	8.02	0.25	8.685	21.36	-5.37
JKML		0.00	-100.00	0.013	0.03	-7.14		0.00	0.00	0.014	0.03	7.69
DVC		0.00	-100.00		0.00	0.00		0.00	0.00		0.00	0.00
IISCO	0.504	0.07	-10.95	0.239	0.56	5.29	0.294	0.04	-41.67	0.240	0.59	0.42
JSMDCL	0.228	0.03	-35.04		0.00	0.00	0.068	0.01	-70.18		0.00	0.00
RRVUNL	15.000	2.19	80.09		0.00	0.00	15.000	2.17	0.00		0.00	0.00
SAIL		0.00	-100.00		0.00	0.00		0.00	0.00		0.00	0.00
NTPC	7.311	1.07	172.90		0.00	0.00	11.151	1.62	52.52		0.00	0.00
WBPDCL	0.400	0.06	0.00		0.00	0.00	2.112	0.31	428.00		0.00	0.00
CSPGCL							0.510	0.07	100.00		0.00	0.00
TSPGCL	0.759	0.11	0.00		0.00	0.00	1.659	0.24	118.58		0.00	0.00
OCPL		0.00	0.00		0.00	0.00	1.003	0.15	100.00		0.00	0.00
PUBLIC	**655.829**	**95.57**	**8.82**	**39.913**	**93.90**	**2.09**	**659.248**	**95.51**	**0.52**	**38.976**	**95.84**	**-2.35**
TSL	5.303	0.77	5.09	1.243	2.92	5.52	5.128	0.74	-3.30	1.082	2.66	-12.95
MEGHALAYA		0.00	-100.00		0.00	0.00		0.00	0.00		0.00	0.00
BALCO	0.667	0.10	100.00		0.00	0.00	1.000	0.14	49.93		0.00	0.00
CESC	1.856	0.27	-1.17		0.00	0.00	1.958	0.28	5.50		0.00	0.00
GMR	0.000	0.00	-100.00		0.00	0.00		0.00	0.00		0.00	0.00
HIL	1.198	0.17	0.84	0.975	2.29	-20.47	0.573	0.08	-52.17	0.156	0.38	-84.00
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	0.64	0.00		0.00	0.00	0.270	0.66	0.00
SPL	18.000	2.62	-0.02		0.00	0.00	18.700	2.71	3.89		0.00	0.00
RCCPL		0.00	0.00	0.103	0.24	63.49		0.00	0.00	0.182	0.45	76.70
TUML	0.300	0.04	71.43		0.00	0.00	0.286	0.04	-4.67		0.00	0.00
OCL	0.161	0.02	100.00		0.00	0.00	0.115	0.02	-28.57		0.00	0.00
AMBUJA	0.100	0.01	100.00		0.00	0.00	0.400	0.06	300.00		0.00	0.00
PRIVATE	**30.385**	**4.43**	**-1.63**	**2.591**	**6.10**	**-5.33**	**30.960**	**4.49**	**1.89**	**1.690**	**4.16**	**-34.77**
All India	**686.214**	**100.00**	**8.31**	**42.504**	**100.00**	**1.61**	**690.208**	**100.00**	**0.58**	**40.666**	**100.00**	**-4.32**

Note: For Meghalaya it has been assumed that the coal is being mined by open cast method.

TABLE 3.20 : COMPANYWISE PRODUCTION OF COAL FROM OPENCAST AND UNDERGROUND MINES BY TECHNOLOGY IN 2019-20

(Quantity in Million Tonnes)

Type of Mine	OPEN CAST						UNDER GROUND												Total Raw Coal	
Technology:	Mechanised		Manual		Total OC		Conven. B & P		Mecha. B & P		Conven. LW		Mecha. LW		Other Methods		Total UG			
Company	Quan-tity	% of Total OC	Quan-tity	% of Total OC	Quan-tity	% of Total Raw Coal	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of Total Raw Coal	Quan-tity	% of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
ECL	41.195	5.97			**41.195**	**5.64**	0.042	0.10	7.621	18.74		0.00		0.00	1.543	3.79	**9.206**	**1.26**	**50.401**	**6.90**
BCCL	26.687	3.87			**26.687**	**3.65**		0.00	0.511	1.26	0.097	0.24	0.434	1.07		0.00	**1.042**	**0.14**	**27.729**	**3.79**
CCL	66.186	9.59			**66.186**	**9.06**	0.055	0.14	0.172	0.42		0.00		0.00	0.476	1.17	**0.703**	**0.10**	**66.889**	**9.15**
NCL	108.053	15.66			**108.053**	**14.78**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**108.053**	**14.78**
WCL	53.476	7.75			**53.476**	**7.32**		0.00	4.160	10.23		0.00		0.00		0.00	**4.160**	**0.57**	**57.636**	**7.89**
SECL	133.035	19.27			**133.035**	**18.20**		0.00	9.653	23.74		0.00		0.00	4.437	10.91	**14.090**	**1.93**	**147.125**	**20.13**
SECL(GP-IV/2&3)	2.659	0.39			**2.659**	**0.36**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**2.659**	**0.36**
SECL(GP-IV/1)	0.762	0.11			**0.762**	**0.10**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**0.762**	**0.10**
MCL	139.522	20.21			**139.522**	**19.09**		0.00	0.836	2.06		0.00		0.00		0.00	**0.836**	**0.11**	**140.358**	**19.20**
NEC	0.517	0.07			**0.517**	**0.07**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**0.517**	**0.07**
CIL	**572.092**	**82.89**	**0.000**	**0.0**	**572.092**	**78.28**	**0.097**	**0.24**	**22.953**	**56.44**	**0.097**	**0.24**	**0.434**	**1.07**	**6.456**	**15.88**	**30.037**	**4.11**	**602.129**	**82.38**
SCCL	55.359	8.02			**55.359**	**7.57**		0.00	5.553	13.66		0.00	1.982	82.04	1.150	2.83	**8.685**	**1.19**	**64.044**	**8.76**
JKML	0.000	0.00			**0.000**	**0.00**	0.014	0.03		0.00		0.00		0.00		0.00	**0.014**	**0.00**	**0.014**	**0.00**
JSMDCL	0.068	0.01			**0.068**	**0.01**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**0.068**	**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	0.294	0.04			**0.294**	**0.04**		0.00		0.00	0.070	0.17		0.00	0.170	0.42	**0.240**	**0.03**	**0.534**	**0.07**
SAIL	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**
RRVUNL	15.000	2.17			**15.000**	**2.05**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**15.000**	**2.05**
NTPC	11.151	1.62			**11.151**	**1.53**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**11.151**	**1.53**
WBPDCL	2.112	0.31			**2.112**	**0.29**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**2.112**	**0.29**
CSPGCL	0.510	0.07			**0.510**	**0.07**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**0.510**	**0.07**
TSPGCL	1.659	0.24			**1.659**	**0.23**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**1.659**	**0.23**
OCPL	1.003	0.15			**1.003**	**0.14**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**1.003**	**0.14**
Total Public	**659.248**	**95.51**	**0.000**	**0.0**	**659.248**	**90.20**	**0.111**	**0.27**	**28.506**	**70.10**	**0.167**	**0.41**	**2.416**	**5.94**	**7.776**	**19.12**	**38.976**	**5.33**	**698.224**	**95.53**
TSL	5.128	0.74			**5.128**	**0.70**	0.467	1.15	0.615	1.51		0.00		0.00		0.00	**1.082**	**0.15**	**6.210**	**0.85**
Meghalaya	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**
BALCO	1.000	0.14			**1.000**	**0.14**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**1.000**	**0.14**
CESC	1.958	0.28			**1.958**	**0.27**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**1.958**	**0.27**
GMR	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**
HIL	0.573	0.08			**0.573**	**0.08**		0.00	0.156	0.38		0.00		0.00		0.00	**0.156**	**0.02**	**0.729**	**0.10**
JPVL	2.800	0.41			**2.800**	**0.38**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**2.800**	**0.38**
SIL	0.000	0.00			**0.000**	**0.00**		0.00	0.270	0.66		0.00		0.00		0.00	**0.270**	**0.04**	**0.270**	**0.04**
SPL	18.700	2.71			**18.700**	**2.56**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**18.700**	**2.56**
RCCPL	0.000	0.00			**0.000**	**0.00**		0.00	0.182	0.45		0.00		0.00		0.00	**0.182**	**0.02**	**0.182**	**0.02**
TUML	0.286	0.04			**0.286**	**0.04**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**0.286**	**0.04**
OCL	0.115	0.02			**0.115**	**0.02**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**0.115**	**0.02**
AMBUJA	0.400	0.06			**0.400**	**0.05**		0.00		0.00		0.00		0.00		0.00	**0.000**	**0.00**	**0.400**	**0.05**
PRIVATE	**30.960**	**4.49**	**0.000**	**0.0**	**30.960**	**4.24**	**0.467**	**1.15**	**1.223**	**3.01**	**0.000**	**0.00**	**0.000**	**0.00**	**0.000**	**0.00**	**1.690**	**0.23**	**32.650**	**4.47**
India (2019-20)	**690.208**	**100.00**	**0.000**	**0.0**	**690.208**	**94.44**	**0.578**	**1.42**	**29.729**	**73.11**	**0.167**	**0.41**	**2.416**	**5.94**	**7.776**	**19.12**	**40.666**	**5.56**	**730.874**	**100.00**

Note: B&P: Board & Pillar, LW: Long Wall

TABLE 3.21 : COMPANYWISE OVER BURDEN REMOVAL AND STRIPPING RATIO IN REVENUE MINES IN LAST THREE YEARS

(OBR in Million Cubic Meter, Coal Production in Million Tonnes)

Companies	2017 - 2018			2018 - 2019			2019 - 2020		
	Over Burden Removal	Production (OC)	Stripping Ratio	Over Burden Removal	Production (OC)	Stripping Ratio	Over Burden Removal	Production (OC)	Stripping Ratio
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	118.895	34.965	3.40	126.056	41.099	3.07	140.455	41.195	3.41
BCCL	110.466	31.531	3.50	103.245	30.139	3.43	82.646	26.687	3.10
CCL	95.622	63.000	1.52	100.490	68.408	1.47	103.356	66.186	1.56
NCL	316.795	93.018	3.41	318.225	101.503	3.14	323.234	108.053	2.99
WCL	185.287	41.266	4.49	192.026	48.615	3.95	210.655	53.476	3.94
SECL	203.898	125.694	1.62	181.546	137.624	1.32	162.008	133.035	1.22
SECL(GP-IV/2&3)	0.634	3.227	0.20	1.063	3.271	0.32	2.372	2.659	0.89
SECL(GP-IV/1)	0.486	1.327	0.37	0.833	1.681	0.50	0.357	0.762	0.47
MCL	138.179	142.017	0.97	130.002	143.280	0.91	124.514	139.522	0.89
NEC	7.853	0.778	10.09	8.500	0.784	10.84	4.730	0.517	9.15
CIL	**1178.115**	**536.823**	**2.19**	**1161.986**	**576.404**	**2.02**	**1154.327**	**572.092**	**2.02**
SCCL	392.115	53.700	7.30	377.153	55.223	6.83	348.979	55.359	6.30
JKML		0.000						0.000	
DVC	0.198	0.047	4.21					0.000	
IISCO	4.100	0.566	7.24	0.000	0.504	0.00	1.973	0.294	6.71
SAIL	0.065	0.185	0.35					0.000	
JSMDCL	0.731	0.351	2.08	0.000	0.228	0.00	0.453	0.068	6.66
RRVUNL	19.493	8.329	2.34	0.000	15.000	0.00	39.370	15.000	2.62
NTPC	8.497	2.679	3.17	0.000	7.311	0.00	39.131	11.151	3.51
WBPDCL				0.000	0.400	0.00	10.167	2.112	4.81
CSPGCL							1.489	0.510	2.92
TSPGCL				22.221	0.759	29.28	29.752	1.659	17.93
OCPL							2.475	1.003	2.47
PUBLIC	**1603.314**	**602.680**	**2.66**	**1561.360**	**655.829**	**2.38**	**1628.116**	**659.248**	**2.47**
TSL	18.891	5.046	3.74	18.969	5.303	3.58	18.449	5.128	3.60
Meghalaya		1.529	0.00					0.000	
HIL	9.189	1.188	7.73	9.304	1.198	7.77	5.573	0.573	9.73
SPL	77.366	18.003	4.30	81.509	18.000	4.53	74.612	18.700	3.99
CESC	5.503	1.878	2.93	5.207	1.856	2.81	5.160	1.958	2.64
GMR	0.112	0.270	0.41	0.000	0.000	0.00		0.000	
BALCO				2.819	0.667	4.23	4.918	1.000	4.92
JPVL	16.992	2.800	6.07	15.713	2.800	5.61	15.753	2.800	5.63
TUML	0.412	0.175	2.35	1.363	0.300	4.54	1.973	0.286	6.90
RCCPL				0.000	0.000	0.00		0.000	
OCL				0.691	0.161	4.29	0.691	0.115	6.01
AMBUJA				0.926	0.100	9.26	1.352	0.400	3.38
PRIVATE	**128.465**	**30.889**	**4.16**	**136.501**	**30.385**	**4.49**	**128.481**	**30.960**	**4.15**
INDIA	**1731.779**	**633.569**	**2.73**	**1697.861**	**686.214**	**2.47**	**1756.597**	**690.208**	**2.55**

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

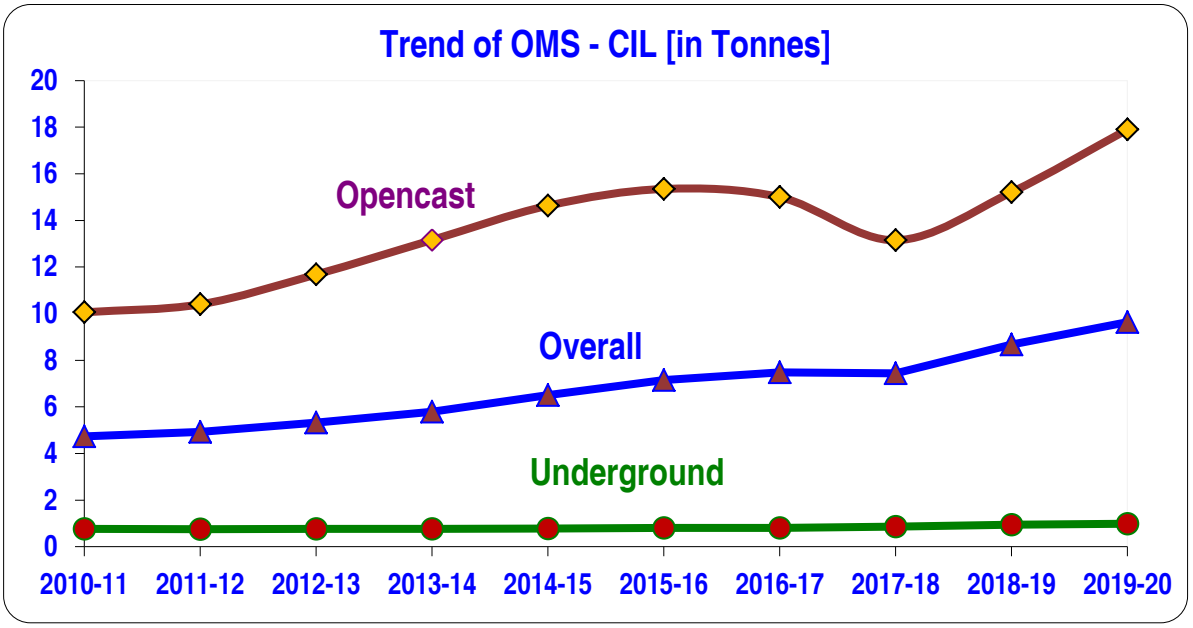
(2) Meghalaya OBR figures are not known and not reported.

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

TABLE 3.22: TRENDS OF OMS IN OC & UG MINES (CIL & SCCL) DURING LAST TEN YEARS

(in Tonnes)

Year	OMS (OPENCAST)		OMS (UNDERGROUND)		OMS (OVERALL)	
	CIL	SCCL	CIL	SCCL	CIL	SCCL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2010-11	10.06	11.98	0.77	1.10	4.74	3.59
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



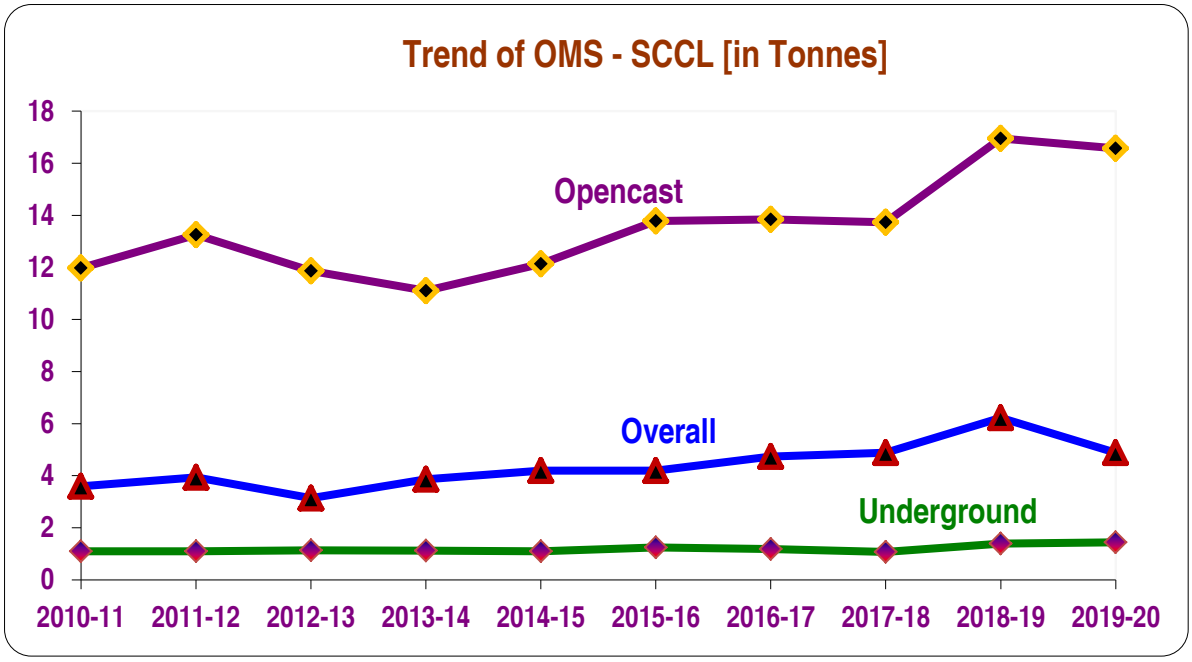


TABLE 3.23 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2017-2018			2018-2019			2019-2020		
		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	34.965	2.415	14.48	41.099	2.415	17.02	41.195	2.373	34.89
BCCL	OC	31.531	4.835	6.48	30.139	4.978	6.05	26.687	3.953	6.75
CCL	OC	63.000	6.722	9.37	68.406	7.023	9.74	66.186	6.580	10.00
NCL	OC	93.018	6.889	0.00	101.503	4.171	24.34	108.053	4.496	24.03
WCL	OC	41.266	11.289	3.62	48.615	11.027	4.40	53.476	4.653	15.64
SECL	OC	125.694	3.962	31.72	137.624	4.461	30.85	133.035	4.496	29.59
SECL(GP-IV/2&3)	OC	3.227	0.034	95.39	3.271	0.037	88.41	2.659	0.039	68.18
SECL(GP-IV/1)	OC	1.327	0.020	66.63	1.681	0.023	73.09	0.762	0.024	31.75
MCL	OC	142.017	4.505	31.52	143.280	3.630	28.75	139.522	5.218	26.74
NEC	OC	0.778	0.149	5.21	0.784	0.134	5.84	0.517	0.121	4.26
CIL	**OC**	**536.823**	**40.820**	**13.15**	**576.402**	**37.899**	**15.21**	**572.092**	**31.953**	**17.90**
SCCL	**OC**	**53.700**	**2.951**	**13.73**	**55.359**	**2.917**	**16.95**	**55.359**	**2.813**	**19.68**
ECL	UG	8.603	12.019	0.72	9.061	11.597	0.78	9.206	11.169	1.29
BCCL	UG	1.076	5.339	0.20	0.900	4.549	0.20	1.042	4.402	0.24
CCL	UG	0.405	2.091	0.19	0.315	1.469	0.21	0.703	1.300	0.54
NCL	UG							0.000		
WCL	UG	4.954	5.344	0.93	4.565	4.697	0.97	4.160	4.213	2.03
SECL	UG	14.461	9.162	1.58	14.773	8.586	1.82	14.090	8.360	1.70
SECL(GP-IV/2&3)	UG							0.000		
SECL(GP-IV/1)	UG							0.000		
MCL	UG	1.041	1.402	0.74	0.871	1.086	0.82	0.836	0.958	0.87
NEC	UG	0.003	0.124	0.02	0.000	0.099	0.00	0.000	0.076	
CIL	**UG**	**30.543**	**35.481**	**0.86**	**30.485**	**32.083**	**0.95**	**30.037**	**30.478**	**0.99**
SCCL	**UG**	**8.310**	**7.546**	**1.08**	**8.685**	**6.547**	**1.33**	**8.685**	**5.970**	**1.45**
ECL	ALL	43.568	14.434	2.67	50.160	14.012	3.58	50.401	13.542	36.18
BCCL	ALL	32.607	10.174	3.60	31.039	9.527	6.25	27.729	8.355	6.99
CCL	ALL	63.405	8.813	7.23	68.721	8.492	8.09	66.889	7.880	8.49
NCL	ALL	93.018	6.889	20.18	101.503	4.171	24.34	108.053	4.496	24.03
WCL	ALL	46.220	16.633	3.50	53.180	15.724	3.37	57.636	8.866	17.67
SECL	ALL	140.155	13.124	9.29	152.397	13.047	11.68	147.125	12.856	11.44
SECL(GP-IV/2&3)	ALL	3.227	0.034	188.48	3.271	0.037	88.41	2.659	0.039	68.18
SECL(GP-IV/1)	ALL	1.327	0.020	80.86	1.681	0.023	73.09	0.762	0.024	31.75
MCL	ALL	143.058	5.907	20.08	144.151	4.716	23.82	140.358	6.176	0.00
NEC	ALL	0.781	0.273	1.92	0.784	0.233	3.37	0.517	0.197	3.37
CIL	**ALL**	**567.366**	**76.301**	**7.44**	**606.887**	**69.982**	**8.67**	**602.129**	**62.431**	**9.64**
SCCL	**ALL**	**62.010**	**10.497**	**4.89**	**64.044**	**9.464**	**6.77**	**64.044**	**8.783**	**7.29**

TABLE 3.24: STATEWISE PRODUCTION OF RAW COAL BY TYPE OF MINES IN LAST THREE YEARS

(Quantity in Million Tonnes)

STATES	2017-2018			2018-2019			2019-2020		
	OC	UG	TOTAL	OC	UG	TOTAL	OC	UG	TOTAL
(1)	(2)	(3)	**(4)**	(5)	(6)	**(7)**	(8)	(9)	**(10)**
Assam	0.778	0.003	**0.781**	0.784		**0.784**	0.517	0.000	**0.517**
Chhattisgarh	133.463	9.083	**142.546**	152.982	8.911	**161.893**	149.839	7.906	**157.745**
Jammu & Kashmir		0.014	**0.014**		0.013	**0.013**	0.000	0.014	**0.014**
Jharkhand	119.996	3.301	**123.297**	131.542	3.124	**134.666**	128.288	3.475	**131.763**
Maharashtra	39.974	2.245	**42.219**	47.795	2.023	**49.818**	52.939	1.807	**54.746**
Meghalaya	1.529		**1.529**			**0.000**			**0.000**
Madhya Pradesh	102.481	9.646	**112.127**	108.909	9.752	**118.661**	116.581	9.145	**125.726**
Odisha	142.287	1.041	**143.328**	143.441	0.871	**144.312**	142.180	0.836	**143.016**
Telangana	53.700	8.310	**62.010**	55.982	9.178	**65.160**	57.018	8.685	**65.703**
Uttar Pradesh	18.309		**18.309**	20.275		**20.275**	18.030	0.000	**18.030**
West Bengal	21.052	8.188	**29.240**	24.502	8.634	**33.136**	24.816	8.798	**33.614**
All India	**633.569**	**41.831**	**675.400**	**686.212**	**42.506**	**728.718**	**690.208**	**40.666**	**730.874**

TABLE 3.25 : CAPTIVE BLOCK WISE PRODUCTION OF RAW COAL DURING LAST THREE YEARS

(Quantity in Million Tonnes)

Block	Company	State	2017-18			2018-19			2019-20		
			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		3.227	**3.227**		3.271	**3.271**		2.659	**2.659**
Gare Palma IV/1	SECL	Chhattisgarh		1.327	**1.327**		1.681	**1.681**		0.762	**0.762**
Parsa East & Kanta Basan	RRVUNL	Chhattisgarh		8.329	**8.329**		15.000	**15.000**		15.000	**15.000**
Pakri Barwadih	NTPC	Jharkhand		2.679	**2.679**		6.810	**6.810**		9.421	**9.421**
Dulanga	NTPC	Odisha					0.501	**0.501**		1.540	**1.540**
Tallipalli	NTPC	Chhattisgarh						**0.000**		0.190	**0.190**
Tasra	SAIL	Jharkhand	0.185		**0.185**			**0.000**			**0.000**
Barjora	WBPDCL	West Bengal					0.400	**0.400**		0.500	**0.500**
Barjora North	WBPDCL	West Bengal						**0.000**		0.606	**0.606**
Pachhwara North	WBPDCL	West Bengal						**0.000**		1.006	**1.006**
GP/S-III	CSPGCL	Chhattisgarh						**0.000**		0.510	**0.510**
Tadicherla	TSPGCL	Telangana					0.759	**0.759**		1.659	**1.659**
Manoharpur	OCPL	Odisha						**0.000**		1.003	**1.003**
Total Public			**0.185**	**15.562**	**15.747**	**0.000**	**28.422**	**28.422**	**0.000**	**34.856**	**34.856**
Gare Palma IV/4	HIL	Chhattisgarh		0.939	**0.939**		0.838	**0.838**		0.548	**0.548**
Gare Palma IV/5	HIL	Chhattisgarh		0.675	**0.675**		0.537	**0.537**		0.126	**0.126**
Kathautia	HIL	Jharkhand		0.800	**0.800**		0.798	**0.798**		0.055	**0.055**
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**		0.270	**0.270**
Chotia II	BALCO	Chhattisgarh		0.000	**0.000**		0.667	**0.667**		1.000	**1.000**
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		18.003	**18.003**		18.000	**18.000**		18.700	**18.700**
Sarshatali	CESC	West Bengal		1.878	**1.878**		1.856	**1.856**		1.958	**1.958**
Talabira I	GMR	Odisha		0.270	**0.270**		0.000	**0.000**		0.000	**0.000**
Sial Ghogri	RCCPL	Madhya Pradesh		0.063	**0.063**		0.103	**0.103**		0.182	**0.182**
Marki Mangli I	TUML	Maharastra		0.175	**0.175**		0.300	**0.300**		0.286	**0.286**
Ardhagram	OCL	Odisha					0.161	**0.161**		0.115	**0.115**
Gare Palma IV/8	AMBUJA	Chhattisgarh					0.100	**0.100**		0.400	**0.400**
Total Private			**0.000**	**25.873**	**25.873**	**0.000**	**26.430**	**26.430**	**0.000**	**26.440**	**26.440**
Grand Total			**0.185**	**41.435**	**41.620**	**0.000**	**54.852**	**54.852**	**0.000**	**61.296**	**61.296**

Section IV

4.1 Despatch & Off-take

4.1.1 In 2019-20, despatch of raw coal was 707.176 MT, against 732.794 Mt in 2018-19, thus a decline of 3.62% over 2018-19 can be observed.

4.1.2 Statement 4.10 shows despatch of raw coal (coking and non-coking) by public and private sector in 2019-20.

Statement 4.10: Despatch of Raw Coal

Company	Coal Despatch (2019-20) [MT]		
	Coking	Non-coking	Total
ECL	0.027	49.108	**49.135**
BCCL	25.973	2.698	**28.671**
CCL	17.804	49.528	**67.332**
NCL		107.423	**107.423**
WCL	0.177	52.399	**52.576**
SECL*	0.169	141.758	**141.927**
MCL		134.014	**134.014**
NEC		0.562	**0.562**
CIL	44.150	537.490	**581.640**
SCCL		62.465	**62.465**
Other Public	0.300	30.121	**30.421**
Total Public	44.450	630.076	**674.526**
Total Private	6.206	26.444	**32.650**
ALL INDIA	**50.656**	**656.520**	**707.176**

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

It can be seen that Coal India Limited accounted for 82.25% of coal despatch in the country. The share of SCCL in the coal despatch was 8.83% and the contribution of private sector was 4.62%. In the CIL group, the major share in despatch was SECL (20.07%), MCL (18.95%) and NCL (15.19%). These three companies collectively accounted for 54.21% 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 or raw coal in 2019-20, has been shown.

Statement 4.11: Despatch and Off-take of Raw Coal in India in 2019-20 by Company [MT]

Company	Raw Coal	
	Despatch	Off-take
ECL	49.135	49.316
BCCL	28.671	28.685
CCL	67.332	67.332
NCL	107.423	107.423
WCL	52.576	52.580
SECL*	141.927	141.937
MCL	134.014	134.016
NEC	0.562	0.562
CIL	581.640	581.851
SCCL	62.465	62.465
Other Public	30.421	30.421
Total Public	674.526	674.737
Total Private	32.650	32.650
ALL INDIA	**707.176**	**707.387**

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

Statement 4.23: Despatch of Raw Coal in India in 2019-20 to different sectors [MT]	
Sector	Despatch & Off-take [MT]
Power (Utility)	540.995
Power (Captive)	85.154
Steel	11.908
Cement	8.569
Sponge Iron	10.529
Fertilizers	1.764
Pulp & Paper	1.326
Other Basic Metal	0.603
Chemical	0.209
Textiles & Rayons	0.101
Bricks	0.026
Others	45.992
Total Despatch	**707.176**
Colliery Consumption	0.211
Total Off-take	**707.387**

4.1.4 Statement 4.11 shows despatch of washed coal and middlings in 2019-20 by different companies. It may be observed that share of public sector in washed coal was 82.27% and middling was 65.44%.

Statement 4.11: Despatch of Washed Coal and Middlings in 2019-20 (MT)		
Company	Washed coal	Middlings
BCCL	**0.663**	**0.793**
CCL	**7.268**	**1.142**
IISCO	**0.385**	**0.415**
RRVUNL	**11.233**	
Public	**19.549**	**2.350**
TSL	**3.492**	**1.241**
CESC	**0.720**	
Private	**4.212**	**1.241**
Total	**23.761**	**3.591**

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 2019-20. It may be seen that out of total despatch to different sector, maximum share was of power utility 76.50% and power captive 12.04%. The share of steel, cement, sponge Iron etc. are shown in the statement.

4.1.6 **Statement 4.23** shows that out of total despatch of lignite in 2019-20, share of despatch to power utility was 23.39% and power captive 62.57%.

Statement 4.23: Despatch of Lignite in India in 2019-20 to different sectors [MT]	
Sector	Despatch & Off-take [MT]
Power (Utility)	9.887
Power (Captive)	26.445
Steel Boiler	0.000
Cement	0.996
Sponge Iron	0.014
Pulp & Paper	0.546
Chemical	0.298
Textiles & Rayons	0.162
Bricks	0.465
Others	3.454
Total Despatch	**42.267**
Colliery Consumption	0.000
Total Off-take	**42.267**

Chart 4.1 : Despatches of Raw Coal from different States during last three years

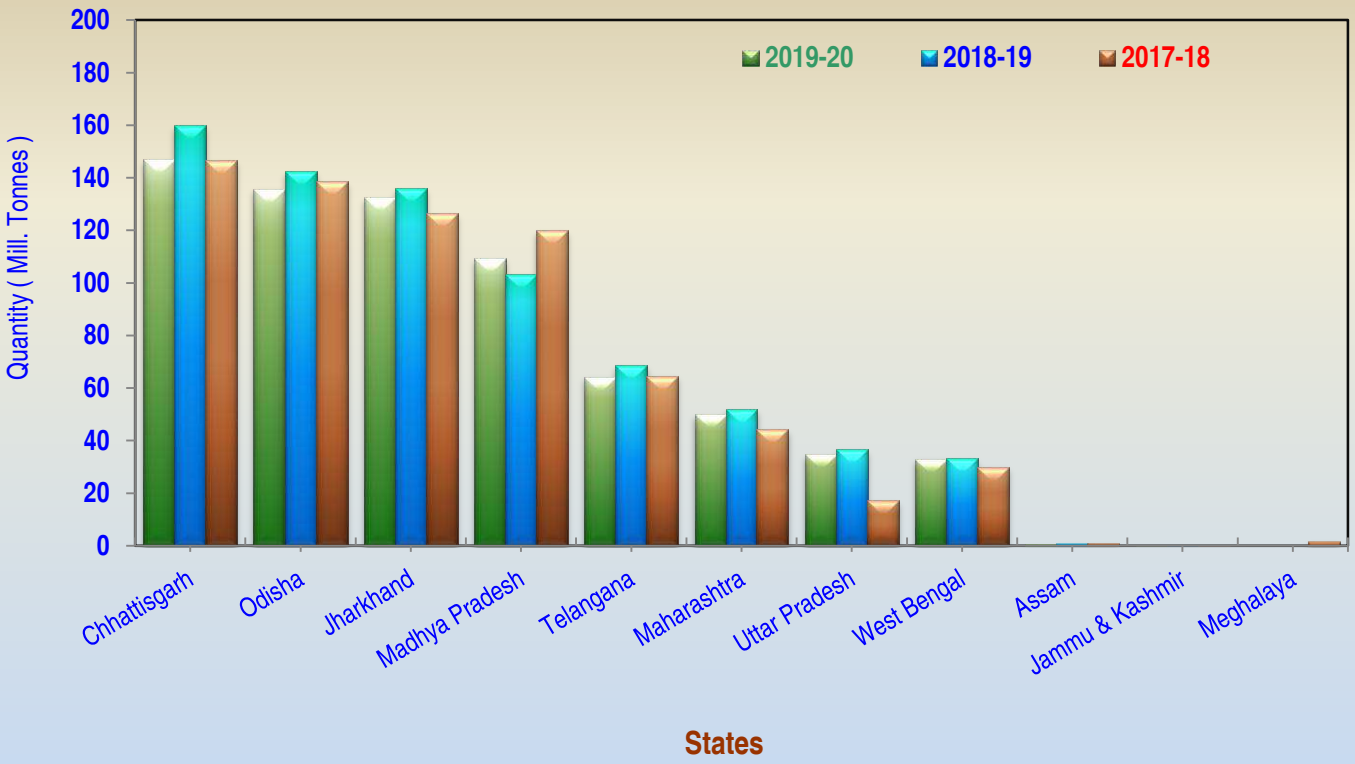


Chart 4.2 : Despatches of Raw Coal from different companies during last three years

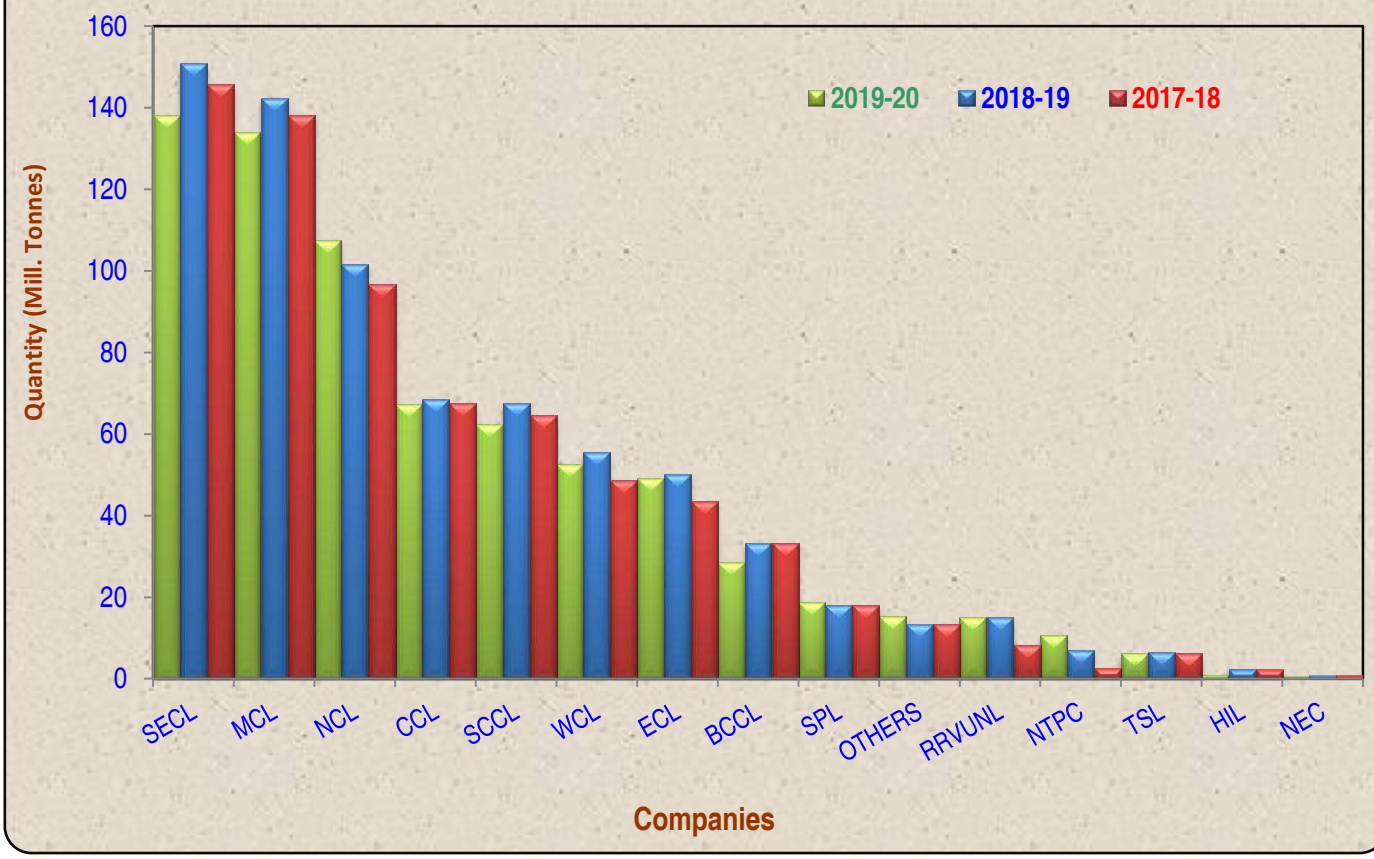


Chart 4.3: Sectorwise Despatches of Raw Coal from different companies in 2019-20

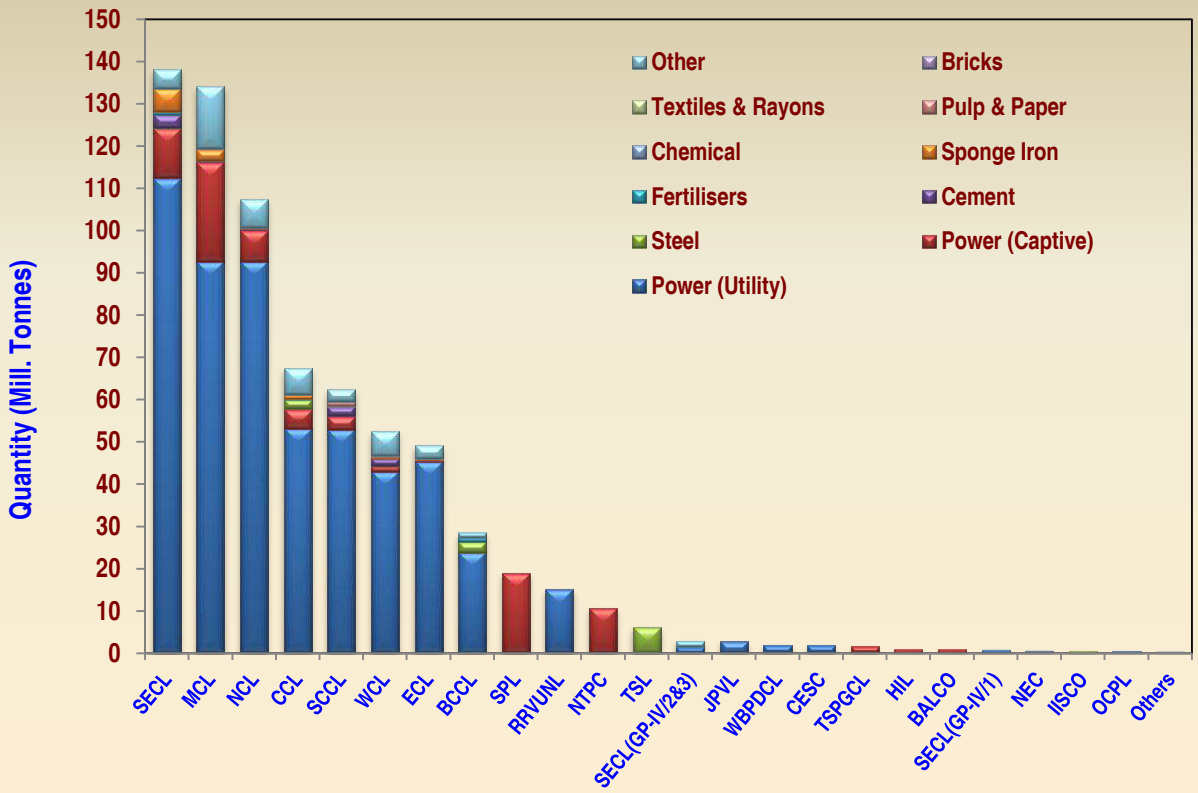


Chart 4.4: Grade Wise Raw Coal Despatched during 2019-20

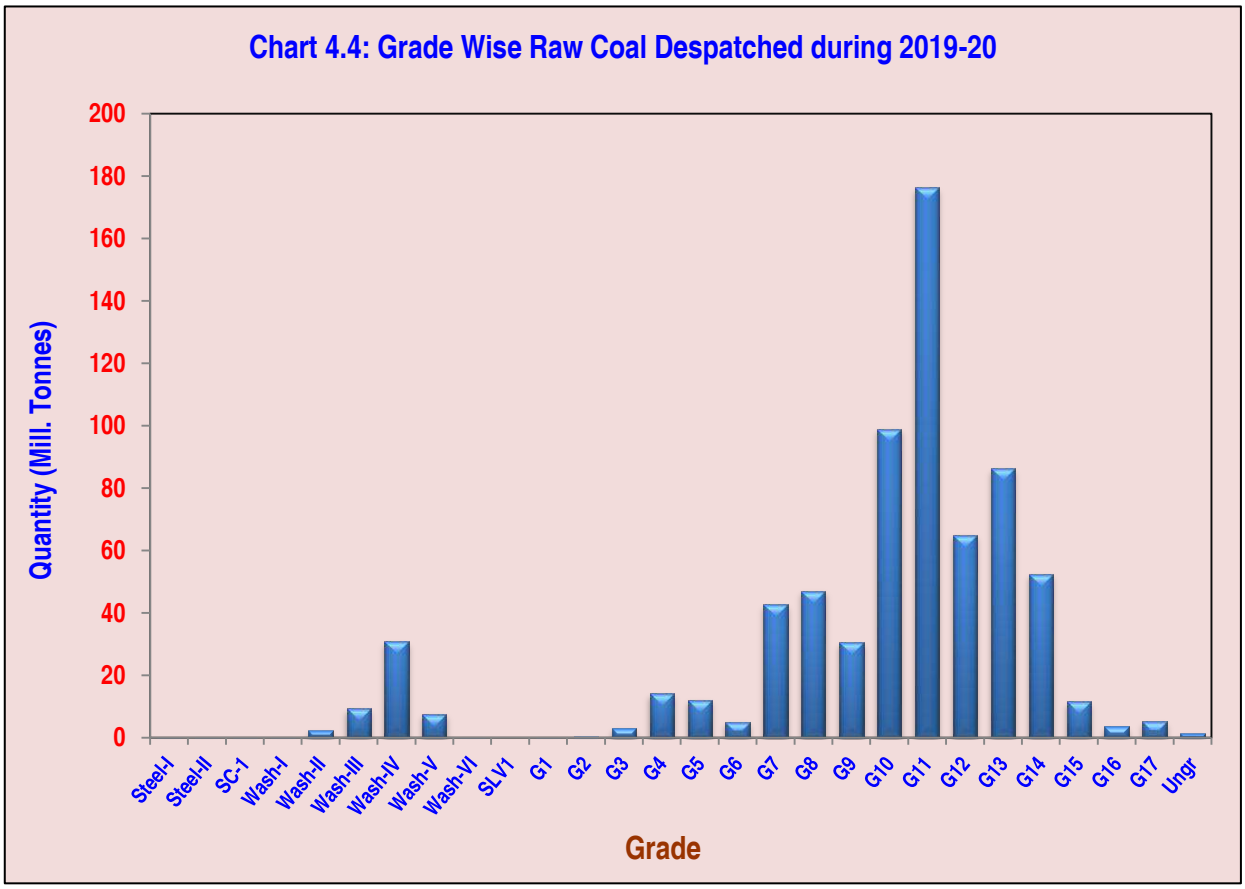


TABLE 4.1: TREND OF DESPATCHES OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS

(Quantity in Million Tonnes)

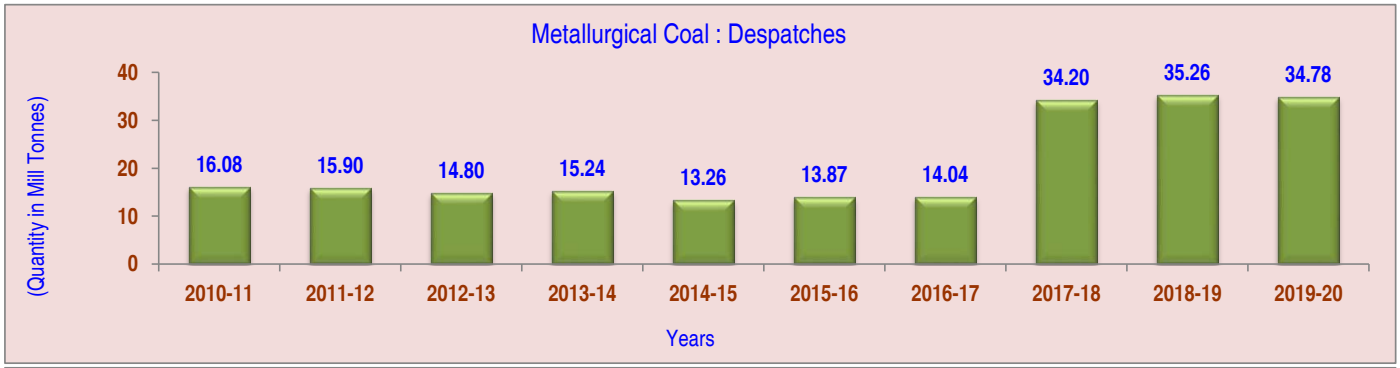
Year	Raw coal			Lignite			Total solid fossil fuel	
	Despatches	Share in total solid fossil fuel (%)	Change over previous year (%)	Despatches	Share in total solid fossil fuel (%)	Change over previous year (%)	Despatches	Change over previous year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2010-11	523.465	93.28	1.88	37.685	6.72	9.45	**561.150**	**2.36**
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**

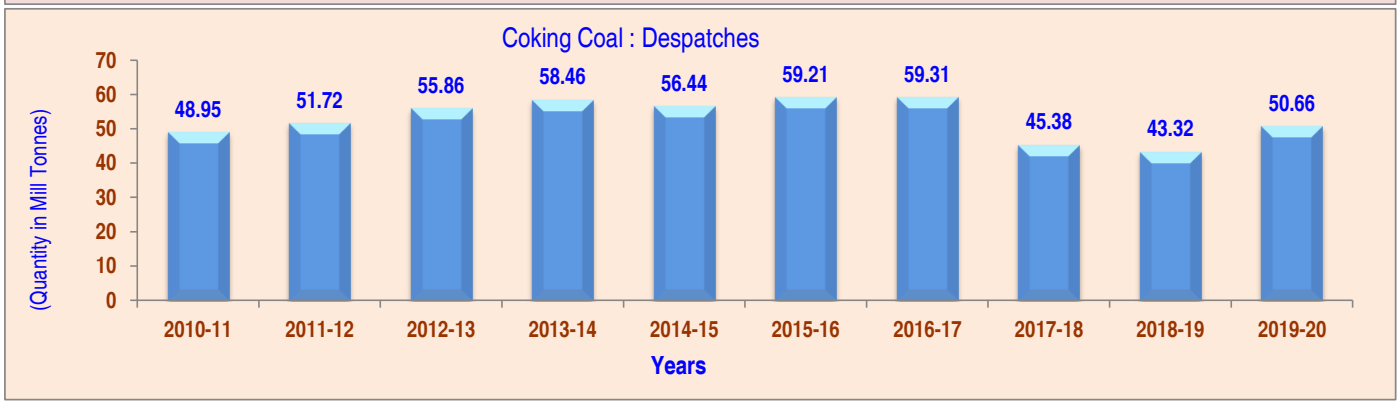
TABLE 4.2: TREND OF DESPATCHES OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal							
	Despatches	Share in total coking coal(%)	Change over previous year (%)	Despatches	Share in total coking coal(%)	Change over previous year (%)	Despatches	Share in total raw coal(%)	Change over previous year (%)	Despatches	Share in total raw coal(%)	Change over previous year (%)	Despatches	Change over previous year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2010-11	16.075	32.84	5.94	32.875	67.16	20.44	48.950	9.35	15.26	474.515	90.65	0.68	523.465	1.88
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

Note: The huge growth(143.60%) of Metallurgical Coal in 2017-18 over previous year due to BCCL's contribution of Metallurgical Coal is 24.165 million tonnes in 2017-18





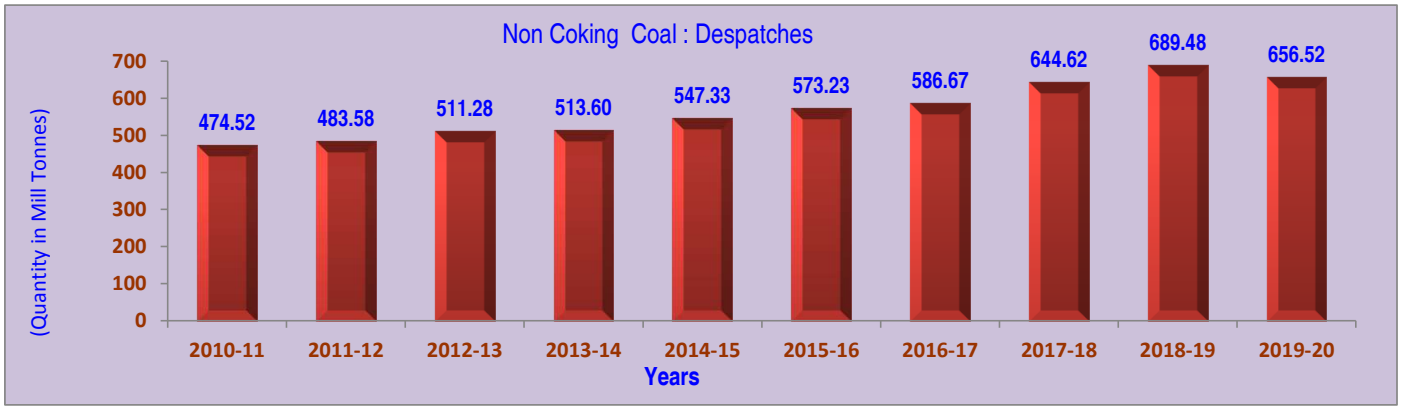
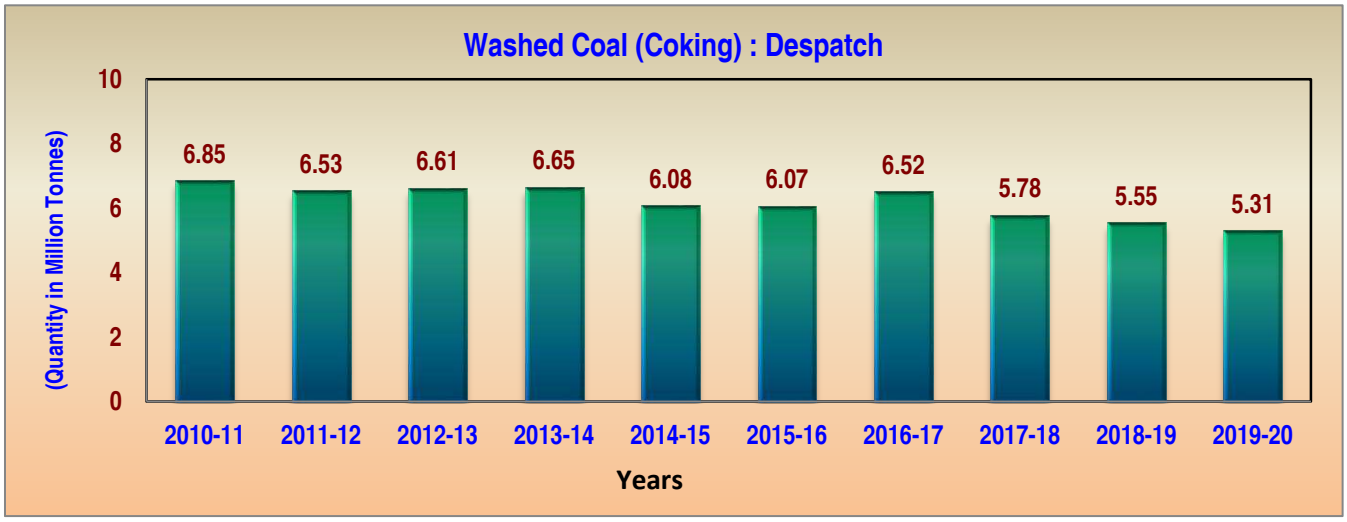
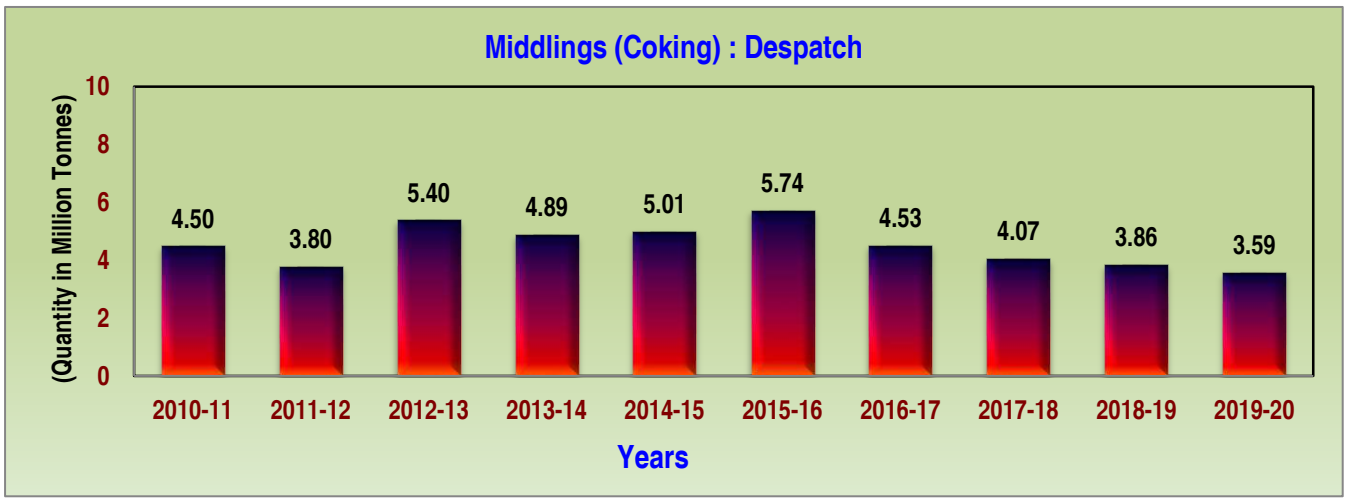


TABLE 4.3: TREND OF DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Washed Coal (Coking)		Washed Coal (N-Coking)		Middlings (Coking)		Middlings (N-Coking)		Hard Coke	
	Despatches	Percentage of change over previous	Despatches	Percentage of change over previous	Despatches	Percentage of change over previous year	Despatches	Percentage of change over previous	Despatches	Percentage of change over previous
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2010-11	6.854	5.15	14.537	3.98	4.504	-4.39	3.790	1.72	12.546	1.50
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





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

TABLE 4.4 : QUARTERLY DESPATCHES OF DIFFERENT TYPES OF RAW COAL and LIGNITE IN LAST THREE YEARS

(Quantity in Million Tonnes)

Year and 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)
2017-18												
April - June	12.295	-10.4	27.1	151.445	4.7	23.5	**163.740**	**3.4**	**23.7**	12.289	9.8	26.5
July - Sept.	10.138	-23.4	22.3	146.499	18.5	22.7	**156.637**	**14.4**	**22.7**	9.612	6.6	20.8
Oct. - Dec.	11.276	-27.2	24.8	169.592	9.7	26.3	**180.868**	**6.3**	**26.2**	11.878	12.2	25.6
Jan. - Mar.	11.671	-30.8	25.7	177.087	8.2	27.5	**188.758**	**4.5**	**27.4**	12.538	1.5	27.1
TOTAL	**45.380**	**-23.5**	**100.0**	**644.623**	**10.1**	**100.0**	**690.003**	**6.8**	**100.0**	**46.317**	**7.3**	**100.0**
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**

Note: (1) Growth is calculated over last quarter /year, as the case may be, and expressed in percentage.

(2) Share is calculated as ratio to yearly despatches and expressed in percentage.

TABLE 4.5 : QUARTERLY DESPATCHES OF DIFFERENT TYPES OF COAL, LIGNITE & COAL PRODUCTS IN LAST THREE YEARS
(Quantity in Million Tonnes)

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)
2017-18															
April - June	1.406	0.0	24.3	3.656	-33.1	24.8	1.084	-6.4	26.6	0	-	-	2.896	-6.8	23.3
July - Sept.	1.368	-8.7	23.7	3.758	1.3	25.5	1.019	-17.8	25.0	0	-	-	3.156	1.6	25.4
Oct. - Dec.	1.362	-22.4	23.6	3.533	-28.7	23.9	0.900	-17.3	22.1	0	-	-	3.150	-1.1	25.4
Jan. - Mar.	1.642	-11.4	28.4	3.816	-30.0	25.8	1.068	2.8	26.2	0	-	-	3.212	1.8	25.9
TOTAL	**5.778**	**-11.3**	**100.0**	**14.763**	**-24.6**	**100.0**	**4.071**	**-10.0**	**100.0**	**0**	**-**	**-**	**12.414**	**-1.1**	**100.0**
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**

Note: (1) Growth is calculated over last quarter /year, as the case may be, and expressed in percentage.
(2) Share is calculated as ratio to yearly despatches and expressed in percentage.
(3) The above figures relates to Washeries (public & private) of only coal producing companies.
(4) 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 4.6: MONTHLY DESPATCHES OF DIFFERENT TYPES OF RAW COAL AND LIGNITE DURING 2019-20

(Quantity in Million Tonnes)

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-19	3.967	8.5	7.83	58.566	1.6	8.92	**62.533**	**2.0**	**8.84**	4.171	0.9	9.87
May-19	3.988	11.6	7.87	59.073	-0.6	9.00	**63.061**	**0.1**	**8.92**	4.010	-6.9	9.49
Jun-19	4.429	35.1	8.74	55.218	-1.7	8.41	**59.647**	**0.4**	**8.43**	3.433	-13.3	8.12
1st Quarter	**12.384**	**17.8**	**24.45**	**172.857**	**-0.2**	**26.33**	**185.241**	**0.8**	**26.19**	**11.614**	**-6.3**	**27.48**
Jul-19	4.194	20.4	8.28	52.116	-2.2	7.94	**56.310**	**-0.8**	**7.96**	2.905	-7.3	6.87
Aug-19	3.907	4.2	7.71	45.043	-9.8	6.86	**48.950**	**-8.8**	**6.92**	2.784	-5.0	6.59
Sep-19	3.745	0.2	7.39	40.578	-18.1	6.18	**44.323**	**-16.8**	**6.27**	2.770	-10.0	6.55
2nd Quarter	**11.846**	**8.0**	**23.39**	**137.737**	**-9.8**	**20.98**	**149.583**	**-8.6**	**21.15**	**8.459**	**-7.5**	**20.01**
Oct-19	3.656	-3.5	7.22	46.820	-17.9	7.13	**50.476**	**-17.0**	**7.14**	3.048	-17.5	7.21
Nov-19	4.388	27.5	8.66	54.176	-7.7	8.25	**58.564**	**-5.7**	**8.28**	3.299	-9.1	7.81
Dec-19	4.551	28.6	8.98	60.803	0.5	9.26	**65.354**	**2.1**	**9.24**	3.883	-12.3	9.19
3rd Quarter	**12.595**	**16.9**	**24.86**	**161.799**	**-8.1**	**24.64**	**174.394**	**-6.7**	**24.66**	**10.230**	**-13.0**	**24.20**
Jan-20	4.577	24.5	9.04	63.007	4.4	9.60	**67.584**	**5.5**	**9.56**	3.953	-8.7	9.35
Feb-19	4.637	34.1	9.15	61.665	4.2	9.39	**66.302**	**5.8**	**9.38**	4.153	8.4	9.83
Mar-19	4.617	17.3	9.11	59.455	-12.2	9.06	**64.072**	**-10.6**	**9.06**	3.858	-11.4	9.13
4th Quarter	**13.831**	**24.9**	**27.30**	**184.127**	**-1.7**	**28.05**	**197.958**	**-0.2**	**27.99**	**11.964**	**-4.4**	**28.31**
Yr. 2019-20	**50.656**	**16.9**	**100.00**	**656.520**	**-4.8**	**100.00**	**707.176**	**-3.5**	**100.00**	**42.267**	**-7.7**	**100.00**

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

(2) **Share (%) is caculated as ratio to yearly production.

TABLE 4.7: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS DURING 2019-20

(Quantity in Million Tonnes)

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-19	0.508	10.0	9.58	1.089	-8.4	5.90	0.328	1.2	9.13	0	-	-	1.302	45.0	8.75
May-19	0.518	39.6	9.76	1.649	14.0	8.93	0.400	24.6	11.14	0	-	-	1.360	42.9	9.14
Jun-19	0.494	23.2	9.31	1.612	22.6	8.73	0.341	9.3	9.50	0	-	-	1.301	39.3	8.75
1st Quarter	**1.520**	**23.2**	**28.65**	**4.350**	**10.1**	**23.57**	**1.069**	**11.7**	**29.77**	**0**	**-**	**-**	**3.963**	**42.3**	**26.65**
Jul-19	0.453	7.9	8.54	1.354	6.7	7.34	0.365	30.4	10.16	0	-	-	1.317	34.5	8.86
Aug-19	0.469	0.2	8.84	1.222	-25.8	6.62	0.315	-8.4	8.77	0	-	-	1.288	31.0	8.66
Sep-19	0.393	-2.0	7.41	1.117	-31.3	6.05	0.247	-12.1	6.88	0	-	-	1.179	22.7	7.93
2nd Quarter	**1.315**	**2.0**	**24.79**	**3.693**	**-18.7**	**20.01**	**0.927**	**2.4**	**25.81**	**0**	**-**	**-**	**3.784**	**29.5**	**25.44**
Oct-19	0.412	-9.6	7.77	1.655	-3.3	8.97	0.236	-16.0	6.57	0	-	-	1.201	19.0	8.08
Nov-19	0.371	-22.9	6.99	1.436	-12.2	7.78	0.258	-18.4	7.18	0	-	-	1.205	25.0	8.10
Dec-19	0.430	-10.8	8.11	1.712	-4.1	9.28	0.270	-21.3	7.52	0	-	-	1.075	10.7	7.23
3rd Quarter	**1.213**	**-14.5**	**22.87**	**4.803**	**-6.4**	**26.02**	**0.764**	**-18.7**	**21.28**	**0**	**-**	**-**	**3.481**	**18.2**	**23.41**
Jan-20	0.444	-17.3	8.37	2.075	8.6	11.24	0.309	-19.5	8.60	0	-	-	1.208	23.8	8.12
Feb-19	0.416	-19.4	7.84	1.855	8.3	10.05	0.275	-13.0	7.66	0	-	-	1.143	21.1	7.69
Mar-19	0.397	-28.6	7.48	1.680	-25.9	9.10	0.247	-30.2	6.88	0	-	-	1.293	20.3	8.69
4th Quarter	1.257	-21.9	23.69	5.610	-4.8	30.40	0.831	-21.2	23.14	0	-	-	3.644	21.7	24.50
Yr. 2019-20	5.305	-4.4	100.00	18.456	-5.4	100.00	3.591	-6.9	100.00	0	-	-	14.872	27.7	100.00

Note: (1) Growth is calculated over last quarter /year, as the case may be, and expressed in percentage.

(2) Share is calculated as ratio to yearly despatches and expressed in percentage.

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

(4) 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 4.8 : SHARE OF RAW COAL DESPATCHES BY STATES DURING LAST TEN YEARS

(Quantity in Million Tonnes)

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)
2010-11	0.245	0.05	8.41	1.102	0.21	2.89	109.562	20.93	2.47
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	0.08	-25.46	147.076	20.80	-8.07

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)
2010-11	0.025	0.00	47.06	106.637	20.37	6.78	69.443	13.27	-5.50
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

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)
2010-11	38.240	7.31	-6.14	6.974	1.33	17.31	104.359	19.94	3.75
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	0.000	0.00	0.00	142.464	19.44	2.83
2019-20	50.008	7.07	-3.45	0.000	0.00	0.00	135.878	19.21	-4.62

Contd....

TABLE 4.8 : SHARE OF RAW COAL DESPATCHES BY STATES DURING LAST TEN YEARS

(Quantity in Million Tonnes)

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)
2010-11	50.046	9.56	1.58	15.393	2.94	13.29	21.439	4.10	-3.68
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

Year	All India	
	Quantity	Growth(%)
(41)	(42)	(43)
2010-11	**523.465**	**1.88**
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**

TABLE 4.9 : SHARE OF LIGNITE DESPATCHES BY STATES DURING LAST TEN YEARS

Year	State: Tamilnadu			State: Gujarat		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2010-11	23.081	61.25	1.18	13.079	34.71	25.63
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

Year	State: Rajasthan			ALL INDIA	
	Quantity	Share (%)	Growth (%)	Quantity	Growth (%)
(8)	(9)	(10)	(11)	(12)	(13)
2010-11	1.525	4.05	26.35	**37.685**	**9.45**
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**

TABLE 4.10 : TRENDS OF COMPANY WISE DESPATCHES OF COAL & LIGNITE DURING LAST THREE YEARS

(Quantity in Million Tonnes)

Company	2017-18			2018-19			2019-20		
	Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.039	43.395	**43.434**	0.026	50.198	**50.224**	0.027	49.108	**49.135**
BCCL	24.165	9.138	**33.303**	25.726	7.356	**33.082**	25.973	2.698	**28.671**
CCL	13.966	53.543	**67.509**	10.117	58.328	**68.445**	17.804	49.528	**67.332**
NCL		96.772	**96.772**		101.574	**101.574**		107.423	**107.423**
WCL	0.279	48.464	**48.743**	0.196	55.354	**55.550**	0.177	52.399	**52.576**
SECL	0.303	145.435	**145.738**	0.249	150.733	**150.982**	0.169	138.049	**138.218**
SECL(GP-IV/2&3)		4.053	**4.053**		3.200	**3.200**		2.888	**2.888**
SECL(GP-IV/1)		1.301	**1.301**		1.839	**1.839**		0.821	**0.821**
MCL		138.262	**138.262**		142.303	**142.303**		134.014	**134.014**
NEC		0.895	**0.895**		0.754	**0.754**		0.562	**0.562**
CIL	**38.752**	**541.258**	**580.010**	**36.314**	**571.639**	**607.953**	**44.150**	**537.490**	**581.640**
SCCL		64.623	**64.623**		67.669	**67.669**		62.465	**62.465**
JKML		0.021	**0.021**		0.016	**0.016**		0.010	**0.010**
JSMDCL		0.351	**0.351**		0.228	**0.228**		0.064	**0.064**
DVC			**0.000**			**0.000**			**0.000**
IISCO	0.415	0.374	**0.789**	0.443	0.301	**0.744**	0.300	0.234	**0.534**
SAIL			**0.000**			**0.000**			**0.000**
RRVUNL		8.329	**8.329**		15.000	**15.000**		15.000	**15.000**
NTPC		2.583	**2.583**		6.972	**6.972**		10.696	**10.696**
WBPDCL					0.337	**0.337**		1.927	**1.927**
CSPGCL						**0.000**		0.018	**0.018**
TSPGCL					0.757	**0.757**		1.657	**1.657**
OCPL						**0.000**		0.515	**0.515**
Total Public	**39.167**	**617.539**	**656.706**	**36.757**	**662.919**	**699.676**	**44.450**	**630.076**	**674.526**
TSL	6.213	0.000	**6.213**	6.561	0.000	**6.561**	6.206	0.000	**6.206**
MEGHALAYA		1.529	**1.529**		0.000	**0.000**		0.000	**0.000**
HIL		2.247	**2.247**		2.310	**2.310**		0.909	**0.909**
SPL		17.961	**17.961**		18.001	**18.001**		18.783	**18.783**
SIL		0.262	**0.262**		0.270	**0.270**		0.224	**0.224**
CESC		1.764	**1.764**		1.948	**1.948**		1.887	**1.887**
GMR		0.276	**0.276**		0.000	**0.000**		0.000	**0.000**
BALCO		0.000	**0.000**		0.563	**0.563**		0.874	**0.874**
JPVL		2.800	**2.800**		2.799	**2.799**		2.800	**2.800**
RCCPL		0.072	**0.072**		0.103	**0.103**		0.182	**0.182**
TUML		0.173	**0.173**		0.302	**0.302**		0.284	**0.284**
AMBUJA					0.100	**0.100**		0.386	**0.386**
OCL					0.161	**0.161**		0.115	**0.115**
Total Private	**6.213**	**27.084**	**33.297**	**6.561**	**26.557**	**33.118**	**6.206**	**26.444**	**32.650**
ALL INDIA	**45.380**	**644.623**	**690.003**	**43.318**	**689.476**	**732.794**	**50.656**	**656.520**	**707.176**
LIGNITE :									
NLC			**24.982**			**25.719**			**25.123**
GMDCL			**10.601**			**9.160**			**6.957**
GIPCL			**3.123**			**3.313**			**3.342**
RSMML			**1.019**			**1.317**			**0.790**
GHCL			**0.055**			**0.082**			**0.055**
VSLPPL			**0.426**			**0.303**			**0.697**
BLMCL			**6.111**			**5.917**			**5.303**
ALL INDIA			**46.317**			**45.811**			**42.267**
COAL & LIGNITE			**736.320**			**778.605**			**749.443**

TABLE 4.11 : DESPATCHES OF RAW COAL AND COAL PRODUCTS (Washed Coal and Middlings)

BY COMPANIES IN 2019-20

(Quantity in Million Tonnes)

Company	Raw Coal		Washed Coal		Middlings	
	Despatches	Offtake	Despatches	Offtake	Despatches	Offtake
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ECL	49.135	49.316				
BCCL	28.671	28.685	0.663	0.663	0.793	0.793
CCL	67.332	67.332	7.268	7.268	1.142	1.142
NCL	107.423	107.423				
WCL	52.576	52.580				
SECL	138.218	138.228				
SECL(GP-IV/2&3)	2.888	2.888				
SECL(GP-IV/1)	0.821	0.821				
MCL	134.014	134.016				
NEC	0.562	0.562				
CIL	**581.640**	**581.851**	**7.931**	**7.931**	**1.935**	**1.935**
SCCL	62.465	62.465				
JKML	0.010	0.010				
JSMDCL	0.064	0.064				
DVC	0.000	0.000				
IISCO	0.534	0.534	0.385	0.385	0.415	0.415
SAIL	0.000	0.000				
RRVUNL	15.000	15.000	11.233	11.233		
NTPC	10.696	10.696				
WBPDCL	1.927	1.927				
CSPGCL	0.018	0.018				
TSPGCL	1.657	1.657				
OCPL	0.515	0.515				
PUBLIC	**674.526**	**674.737**	**19.549**	**19.549**	**2.350**	**2.350**
TSL	6.206	6.206	3.492	3.492	1.241	1.241
HIL	0.909	0.909				
SPL	18.783	18.783				
SIL	0.224	0.224				
CESC	1.887	1.887	0.720	0.720		
GMR	0.000	0.000				
BALCO	0.874	0.874				
JPVL	2.800	2.800				
RCCPL	0.182	0.182				
TUML	0.284	0.284				
AMBUJA	0.386	0.386				
OCL	0.115	0.115				
PRIVATE	**32.650**	**32.650**	**4.212**	**4.212**	**1.241**	**1.241**
ALL INDIA	**707.176**	**707.387**	**23.761**	**23.761**	**3.591**	**3.591**

TABLE 4.12: STATEWISE AND COMPANYWISE DESPATCHES OF RAW COAL BY TYPE IN LAST THREE YEARS

(Quantity in Million Tonnes)

States	Company	2017-18			2018-19			2019-20		
		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**		0.895	**0.895**		0.754	**0.754**		0.562	**0.562**
Chhattisgarh	SECL	0.303	130.991	**131.294**	0.249	137.481	**137.730**	0.169	126.255	**126.424**
Chhattisgarh	SECL(GP-IV/2&3)		4.053	**4.053**		3.200	**3.200**		2.888	**2.888**
Chhattisgarh	SECL(GP-IV/1)		1.301	**1.301**		1.839	**1.839**		0.821	**0.821**
Chhattisgarh	RRVUNL		8.329	**8.329**		15.000	**15.000**		15.000	**15.000**
Chhattisgarh	HIL_GP_IV/4		0.934	**0.934**		1.000	**1.000**		0.530	**0.530**
Chhattisgarh	HIL_GP_IV/5		0.934	**0.934**		1.000	**1.000**		0.135	**0.135**
Chhattisgarh	CSPGCL		0.934	**0.934**		1.000	**1.000**		0.018	**0.018**
Chhattisgarh	NTPC		0.745	**0.745**		0.552	**0.552**		0.000	**0.000**
Chhattisgarh	BALCO		0.000	**0.000**		0.563	**0.563**		0.874	**0.874**
Chhattisgarh	AMBUJA					0.100	**0.100**		0.386	**0.386**
Chhattisgarh	**TOTAL**	**0.303**	**148.221**	**148.524**	**0.249**	**161.735**	**161.984**	**0.169**	**146.907**	**147.076**
Jammu & Kashmir	**JKML**		0.021	**0.021**		0.016	**0.016**		0.010	**0.010**
Jharkhand	ECL	0.037	17.387	**17.424**	0.022	20.648	**20.670**	0.027	20.553	**20.580**
Jharkhand	BCCL	22.875	8.625	**31.500**	24.770	7.211	**31.981**	25.679	2.551	**28.230**
Jharkhand	CCL	13.966	53.543	**67.509**	10.117	58.328	**68.445**	17.804	49.528	**67.332**
Jharkhand	JSMDCL		0.351	**0.351**		0.228	**0.228**		0.064	**0.064**
Jharkhand	DVC	0.000		**0.000**			**0.000**			**0.000**
Jharkhand	IISCO	0.415	0.001	**0.416**	0.443	0.003	**0.446**	0.300		**0.300**
Jharkhand	SAIL			**0.000**			**0.000**			**0.000**
Jharkhand	NTPC		2.583	**2.583**		6.972	**6.972**		9.462	**9.462**
Jharkhand	TSL	6.213		**6.213**	6.561		**6.561**	6.206		**6.206**
Jharkhand	HIL_KOC		0.568	**0.568**		0.758	**0.758**		0.244	**0.244**
Jharkhand	**TOTAL**	**43.506**	**83.058**	**126.564**	**41.913**	**94.148**	**136.061**	**50.016**	**82.402**	**132.418**
Madhya Pradesh	NCL		79.545	**79.545**		64.920	**64.920**		72.648	**72.648**
Madhya Pradesh	WCL	0.279	4.829	**5.108**	0.196	4.133	**4.329**	0.177	2.899	**3.076**
Madhya Pradesh	SECL		14.444	**14.444**		13.252	**13.252**		11.794	**11.794**
Madhya Pradesh	SPL		17.961	**17.961**		18.001	**18.001**		18.783	**18.783**
Madhya Pradesh	JPVL		2.800	**2.800**		2.799	**2.799**		2.800	**2.800**
Madhya Pradesh	RCCPL		0.072	**0.072**		0.103	**0.103**		0.182	**0.182**
Madhya Pradesh	**TOTAL**	**0.279**	**119.651**	**119.930**	**0.196**	**103.208**	**103.404**	**0.177**	**109.106**	**109.283**
Maharashtra	WCL		43.635	**43.635**		51.221	**51.221**		49.500	**49.500**
Maharashtra	SIL		0.262	**0.262**		0.270	**0.270**		0.224	**0.224**
Maharashtra	TUML		0.173	**0.173**		0.302	**0.302**		0.284	**0.284**
Maharashtra	**TOTAL**	**0.000**	**44.070**	**44.070**	**0.000**	**51.793**	**51.793**	**0.000**	**50.008**	**50.008**
Meghalaya	Meghalaya		1.529	**1.529**			**0.000**			**0.000**
Odisha	MCL		138.262	**138.262**		142.303	**142.303**		134.014	**134.014**
Odisha	GMR		0.276	**0.276**		0.000	**0.000**		0.000	**0.000**
Odisha	OCPL			**0.000**			**0.000**		0.515	**0.515**
Odisha	NTPC			**0.000**			**0.000**		1.234	**1.234**
Odisha	OCL			**0.000**		0.161	**0.161**		0.115	**0.115**
Odisha	**TOTAL**		**138.538**	**138.538**		**142.464**	**142.464**		**135.878**	**135.878**
Telangana	SCCL		64.623	**64.623**		67.669	**67.669**		62.465	**62.465**
Telangana	TSPGCL					0.757	**0.757**		1.657	**1.657**
Telangana	**TOTAL**	**0.000**	**64.623**	**64.623**	**0.000**	**68.426**	**68.426**	**0.000**	**64.122**	**64.122**
Uttar Pradesh	**NCL**		**17.227**	**17.227**		**36.654**	**36.654**		**34.775**	**34.775**
West Bengal	ECL	0.002	26.008	**26.010**	0.004	29.550	**29.554**	0.000	28.555	**28.555**
West Bengal	BCCL	1.290	0.513	**1.803**	0.956	0.145	**1.101**	0.294	0.147	**0.441**
West Bengal	IISCO		0.373	**0.373**		0.298	**0.298**		0.234	**0.234**
West Bengal	WBPDCL					0.337	**0.337**		1.927	**1.927**
West Bengal	CESC		1.764	**1.764**		1.948	**1.948**		1.887	**1.887**
West Bengal	**TOTAL**	**1.292**	**28.658**	**29.950**	**0.960**	**32.278**	**33.238**	**0.294**	**32.750**	**33.044**
Total Public		**39.167**	**620.747**	**659.914**	**36.757**	**664.471**	**701.228**	**44.450**	**630.076**	**674.526**
Total Private		**6.213**	**27.273**	**33.486**	**6.561**	**27.005**	**33.566**	**6.206**	**26.444**	**32.650**
All India		**45.380**	**648.020**	**693.400**	**43.318**	**691.476**	**734.794**	**50.656**	**656.520**	**707.176**

TABLE 4.13 : COMPANYWISE DESPATCHES OF COAL PRODUCTS (Coke, Coal gas ,Coke Fines) DURING LAST FIVE YEARS

(Quantity in Thousand Tonnes)

YEAR	Companies	Hard Coke	CIL Coke	Coke Fines	Coal gas (Unit: NM3)	Coal Fines
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2015-16	BCCL					
	CCL					
	WCL					
	DCC		3	2	20	8
	SAIL	8494				
	RINL	2480				
	TSL	2699				
	TOTAL	**13673**	**3**	**2**	**20**	**8**
2016-17	BCCL					
	CCL					
	WCL					
	DCC		1	1	11	21
	SAIL	7401				
	RINL	2559				
	TSL	2594				
	TOTAL	**12554**	**1**	**1**	**11**	**21**
2017-18	BCCL					
	CCL					
	WCL					
	DCC		1	0	1	141
	SAIL	7326				
	RINL	2559				
	TSL	2529				
	TOTAL	**12414**	**1**	**0**	**1**	**141**
2018-19	BCCL					
	CCL					
	WCL					
	DCC		1	0	3	138
	SAIL	6558				
	RINL	2559				
	TSL	2529				
	TOTAL	**11646**	**1**	**0**	**3**	**138**
2019-20	BCCL					
	CCL					
	WCL					
	DCC		1	0	2	32
	SAIL	9794				
	RINL	2507				
	TSL	2571				
	TOTAL	**14872**	**1**	**0**	**2**	**32**

TABLE 4.14: GRADEWISE DESPATCHES OF COKING COAL BY COMPANIES DURING 2019-20

(Quantity in Million Tonnes)

Companies	DESPATCHES OF COKING COAL												
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	Wash-V	Wash-VI	SLV1	Met.Coal	Non Met	Total Coking
(1)	(2)	(3)	(4)	(5)	(6)	(7)	8	9	10	11	12	13	14
ECL						0.027					0.000	0.027	**0.027**
BCCL	0.039	0.128		0.050	1.888	5.453	18.415				25.679	0.294	**25.973**
CCL						2.931	7.285	7.581	0.007		2.424	15.380	**17.804**
NCL													**0.000**
WCL							0.177				0.097	0.080	**0.177**
SECL			0.169									0.169	**0.169**
SECL (GP-IV/2&3)													**0.000**
SECL(GP-1)													**0.000**
MCL													**0.000**
NEC													**0.000**
CIL	**0.039**	**0.128**	**0.169**	**0.050**	**1.888**	**8.411**	**25.877**	**7.581**	**0.007**	**0.000**	**28.200**	**15.950**	**44.150**
SCCL													**0.000**
JKML													**0.000**
DVC													**0.000**
IISCO						0.070	0.230				0.443	0.000	**0.300**
SAIL												0.000	**0.000**
JSMDCL													**0.000**
RRVUNL													**0.000**
NTPC													**0.000**
WBPDCL													**0.000**
CSPGCL													**0.000**
TSPGCL													**0.000**
OCPL													**0.000**
Total Public	**0.039**	**0.128**	**0.169**	**0.050**	**1.888**	**8.481**	**26.107**	**7.581**	**0.007**	**0.000**	**28.643**	**15.950**	**44.450**
TSL				0.105	0.440	0.888	4.773				6.206	0.000	**6.206**
CESC													**0.000**
HIL													**0.000**
SPL													**0.000**
GMR													**0.000**
BALCO													**0.000**
SIL													**0.000**
JPVL													**0.000**
RCCPL													**0.000**
TUML													**0.000**
OCL													**0.000**
AMBUJA													**0.000**
Total Private	**0.000**	**0.000**	**0.000**	**0.105**	**0.440**	**0.888**	**4.773**	**0.000**	**0.000**	**0.000**	**6.206**	**0.000**	**6.206**
ALL INDIA	**0.039**	**0.128**	**0.169**	**0.155**	**2.328**	**9.369**	**30.880**	**7.581**	**0.007**	**0.000**	**34.849**	**15.950**	**50.656**

TABLE 4.14A: GRADEWISE DESPATCHES OF NON COKING COAL BY COMPANIES DURING 2019-20

(Quantity in Million Tonnes)

Companies	DESPATCHES OF NON-COKING COAL																		Total Coal
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	Ungr	Total N-
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(20)	(21)	(22)
ECL			1.604	13.992	9.931	1.302	4.064	1.497		0.130			16.588						**49.108**	**49.135**
BCCL					0.038	0.420	0.486	1.557	0.176	0.021									**2.698**	**28.671**
CCL					0.468	0.257	1.058	4.700	4.615	10.871	17.808	5.321	4.430						**49.528**	**67.332**
NCL							25.457	23.779	1.813	35.568	14.590	5.810						0.406	**107.423**	**107.423**
WCL						0.184	0.329	2.015	7.219	16.900	16.178	6.007	3.567						**52.399**	**52.576**
SECL			1.589	0.091	1.031	2.556	5.745	5.064	2.762	2.923	105.689	0.901	5.413	0.643	3.494	0.148			**138.049**	**138.218**
SECL (GP-IV/2&3)												0.227		0.390		2.271			**2.888**	**2.888**
SECL(GP-1)												0.033			0.038		0.750		**0.821**	**0.821**
MCL								0.079	0.031	0.048	0.031	44.525	34.998	50.968	3.334				**134.014**	**134.014**
NEC	0.020	0.340		0.015		0.187													**0.562**	**0.562**
CIL	**0.020**	**0.340**	**3.193**	**14.098**	**11.468**	**4.906**	**37.139**	**38.691**	**16.616**	**66.461**	**154.296**	**62.824**	**64.996**	**52.001**	**6.866**	**2.419**	**0.750**	**0.406**	**537.490**	**581.640**
SCCL					0.593		3.905	5.354	4.563	13.500	6.942	1.277	19.578	0.001	4.707	0.843	0.106	1.096	**62.465**	**62.465**
JKML																	0.010		**0.010**	**0.010**
DVC																			**0.000**	**0.000**
IISCO					0.120		0.114												**0.234**	**0.534**
SAIL																			**0.000**	**0.000**
JSMDCL												0.064							**0.064**	**0.064**
RRVUNL											10.153					0.461	4.386		**15.000**	**15.000**
NTPC									9.462				1.234						**10.696**	**10.696**
WBPDCL							1.402						0.525						**1.927**	**1.927**
CSPGCL													0.018						**0.018**	**0.018**
TSPGCL								1.657											**1.657**	**1.657**
OCPL														0.515					**0.515**	**0.515**
Total Public	**0.020**	**0.340**	**3.193**	**14.098**	**12.181**	**4.906**	**42.560**	**45.702**	**30.641**	**79.961**	**171.391**	**64.165**	**86.351**	**52.517**	**11.573**	**3.723**	**5.252**	**1.502**	**630.076**	**674.526**
TSL																			**0.000**	**6.206**
CESC											1.887								**1.887**	**1.887**
HIL						0.244	0.058	0.290	0.000	0.008	0.029	0.280							**0.909**	**0.909**
SPL										18.783									**18.783**	**18.783**
GMR																			**0.000**	**0.000**
BALCO								0.634			0.106	0.134							**0.874**	**0.874**
SIL								0.224											**0.224**	**0.224**
JPVL											2.800								**2.800**	**2.800**
RCCPL								0.182											**0.182**	**0.182**
TUML												0.284							**0.284**	**0.284**
OCL							0.115												**0.115**	**0.115**
AMBUJA										0.238	0.063	0.085							**0.386**	**0.386**
Total Private	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.244**	**0.173**	**1.330**	**0.000**	**19.029**	**4.885**	**0.783**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**26.444**	**32.650**
ALL INDIA	**0.020**	**0.340**	**3.193**	**14.098**	**12.181**	**5.150**	**42.733**	**47.032**	**30.641**	**98.990**	**176.276**	**64.948**	**86.351**	**52.517**	**11.573**	**3.723**	**5.252**	**1.502**	**656.520**	**707.176**

TABLE 4.15: GRADEWISE DESPATCHES OF COKING COAL AND NON-COKING COAL BY STATES IN 2019-20

(Quantity in Million Tonnes)

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				0.039							**0.039**
Steel-II				0.128							**0.128**
SC-I		0.169									**0.169**
Wash-I				0.138						0.017	**0.155**
Wash-II				2.162						0.166	**2.328**
Wash-III				9.258						0.111	**9.369**
Wash-IV				30.703	0.177						**30.880**
Wash-V				7.581							**7.581**
Wash-VI				0.007							**0.007**
Mg Feed											**0.000**
SLV1											**0.000**
Met.Coal				**34.436**	**0.054**					**0.294**	**34.784**
Non Met	**0.000**	**0.169**	**0.000**	**15.580**	**0.123**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**15.872**
Tot Ckg.	**0.000**	**0.169**	**0.000**	**50.016**	**0.177**	**0.000**	**0.000**	**0.000**	**0.000**	**0.294**	**50.656**
G1	0.020										**0.020**
G2	0.340										**0.340**
G3		1.589		0.612	0.000					0.992	**3.193**
G4	0.015	0.000		0.000	0.091					13.992	**14.098**
G5		0.935		1.298	0.096			0.593		9.260	**12.182**
G6	0.187	0.335		0.927	2.369	0.036				1.296	**5.150**
G7		4.371		3.600	27.126	0.092	0.115	3.905		3.524	**42.733**
G8		1.702		6.480	6.097	1.404	0.079	7.011	22.985	1.274	**47.032**
G9		1.424		14.253	2.118	6.439	0.031	4.563	1.813		**30.641**
G10		2.482		11.021	45.604	16.761	0.048	13.500	9.573		**98.989**
G11		114.478		17.808	18.589	16.177	0.031	6.942	0.364	1.887	**176.276**
G12		1.660		5.385	6.380	5.721	44.525	1.277			**64.948**
G13		5.431		21.018	0.189	3.378	36.232	19.578		0.525	**86.351**
G14		0.959		0.000	0.074		51.483	0.001			**52.517**
G15		3.525			0.007		3.334	4.707			**11.573**
G16		2.880						0.843			**3.723**
G17		5.136	0.010					0.106			**5.252**
Ungr				0.000	0.366						**0.366**
Mg Feed								1.096	0.040		**1.136**
Tot. Nckg	**0.562**	**146.907**	**0.010**	**82.402**	**109.106**	**50.008**	**135.878**	**64.122**	**34.775**	**32.750**	**656.520**
Total Coal	**0.562**	**147.076**	**0.010**	**132.418**	**109.283**	**50.008**	**135.878**	**64.122**	**34.775**	**33.044**	**707.176**

TABLE 4.16: GRADEWISE DESPATCHES OF COKING COAL AND NON COKING COAL IN INDIA DURING LAST TEN YEARS
(Quantity in Million Tonnes)

Type	Grade	2010-11	2011-12	New Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
(1)	(2)	(3)	(4)		(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
COKING COAL	Steel-I	0.224	0.092	Steel-I	0.075	0.071	0.052	0.029	0.014	0.052	0.117	0.039
	Steel-II	1.226	1.271	Steel-II	1.671	0.898	0.327	1.035	0.969	0.095	0.179	0.128
	SC-I	0.170	0.204	SC-I	0.166	0.130	0.132	0.108	0.018	0.305	0.253	0.169
	Wash-I	0.193	0.185	Wash-I	0.297	0.190	0.102	0.198	0.166	0.052	0.042	0.155
	Wash-II	1.601	1.816	Wash-II	1.812	1.921	1.693	2.016	2.221	3.068	2.957	2.328
	Wash-III	10.432	13.730	Wash-III	13.335	13.582	12.177	13.155	11.504	4.133	8.865	9.369
	Wash-IV	35.081	34.425	Wash-IV	38.500	41.563	41.955	38.860	41.106	34.550	30.905	30.880
	Wash-V			Wash-V								7.581
	Wash-VI			Wash-VI								0.007
	Mg Feed			Mg Feed				3.812	3.310	3.125	0.000	0.000
	SLV1	0.023	0.000	SLV1	0.003	0.109			0.000	0.000	0.000	0.000
	Met.Coal	16.075	15.903	Met.Coal	14.730	15.236	13.494	13.866	14.039	34.199	35.255	34.784
	Non Met	32.875	35.820	Non Met	41.129	43.228	42.944	45.347	45.269	11.181	8.063	15.872
	Coking	**48.950**	**51.723**		**55.859**	**58.464**	**56.438**	**59.213**	**59.308**	**45.380**	**43.318**	**50.656**
NON - COKING COAL	A	11.772	14.678	G1	5.864	6.130	2.772	3.766	2.425	1.753	0.099	0.020
	B	25.648	60.175	G2	0.522	0.264	0.621	0.323	0.396	1.475	0.430	0.340
	C	54.760	28.050	G3	4.985	4.747	4.698	4.252	4.519	15.411	3.332	3.193
	D	49.524	51.887	G4	19.140	21.944	19.647	18.299	17.788	10.347	14.702	14.098
	E	117.677	106.834	G5	17.431	16.537	16.296	15.457	15.731	7.926	11.726	12.182
	F	207.576	197.845	G6	20.787	16.314	20.186	11.348	12.463	11.366	8.802	5.150
	G	6.075	13.386	G7	35.934	36.620	38.705	39.978	15.460	39.526	42.694	42.733
	SLV			G8	27.198	31.275	29.283	27.671	31.952	37.935	56.671	47.032
				G9	71.963	54.287	50.547	49.721	45.890	31.051	31.130	30.641
				G10	64.307	64.193	76.369	90.982	92.730	110.027	105.981	98.989
				G11	110.285	119.125	137.861	139.256	137.036	164.745	178.854	176.276
				G12	57.847	76.740	82.302	95.594	98.041	58.393	69.116	64.948
				G13	62.881	50.900	55.655	69.746	92.405	93.685	99.528	86.351
				G14	3.079	4.112	4.205	2.818	3.901	39.801	50.650	52.517
				G15	3.177	3.359	3.446	2.837	3.128	7.412	6.783	11.573
				G16	1.476	2.480	1.579	0.000	2.642	3.743	3.083	3.723
				G17	4.401	4.523	3.141	0.643	0.320	1.404	3.356	5.252
	Ungr	1.483	10.721	Ungr		0.046	0.021	0.538	0.539	2.340	2.539	0.366
				Mg Feed					9.304	6.283	0.000	1.136
	Non Coking	**474.515**	**483.576**		**511.277**	**513.596**	**547.334**	**573.229**	**586.670**	**644.623**	**689.476**	**656.520**
TOTAL COAL		**523.465**	**535.299**		**567.136**	**572.060**	**603.772**	**632.442**	**645.978**	**690.003**	**732.794**	**707.176**

TABLE 4.17: MODEWISE COMPANYWISE DESPATCHES OF COAL (External & Internal) /COAL PRODUCTS (Washed Coal & Middlings) in 2019-20

(Quantity in Million Tonnes)

Company	Raw Coal/ Coal Product	2019-20 (External)							2019-20 (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	32.980	2.536			13.619		**49.135**							**0.000**	**49.135**
BCCL	RC	21.907	5.118					**27.025**	0.419	1.227					**1.646**	**28.671**
BCCL	CP	1.383	0.073					**1.456**							**0.000**	**1.456**
CCL	RC	35.649	22.913					**58.562**		8.770					**8.770**	**67.332**
CCL	CP	8.410						**8.410**							**0.000**	**8.410**
NCL	RC	32.097	21.178	3.217		50.931		**107.423**							**0.000**	**107.423**
WCL	RC	32.775	17.341	0.265	1.721	0.474		**52.576**							**0.000**	**52.576**
SECL	RC	49.608	55.836	6.267		24.380	2.127	**138.218**							**0.000**	**138.218**
SECL(GP-IV/2&3)	RC		2.888					**2.888**							**0.000**	**2.888**
SECL(GP-IV/1)	RC		0.821					**0.821**							**0.000**	**0.821**
MCL	RC	76.836	43.233	1.512		12.433		**134.014**							**0.000**	**134.014**
NEC	RC	0.517	0.045					**0.562**							**0.000**	**0.562**
CIL	**RC**	**282.369**	**171.909**	**11.261**	**1.721**	**101.837**	**2.127**	**571.224**	**0.419**	**9.997**	**0.000**	**0.000**	**0.000**	**0.000**	**10.416**	**581.640**
CIL	**CP**	**9.793**	**0.073**	**0.000**	**0.000**	**0.000**	**0.000**	**9.866**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**9.866**
SCCL	RC	44.379	8.375		0.383	8.197	1.131	**62.465**							**0.000**	**62.465**
JKML	RC		0.010					**0.010**							**0.000**	**0.010**
DVC	RC							**0.000**							**0.000**	**0.000**
IISCO	RC		0.234					**0.234**		0.230		0.070			**0.300**	**0.534**
IISCO	CP	0.799					0.001	**0.800**							**0.000**	**0.800**
SAIL	RC							**0.000**							**0.000**	**0.000**
JSMDCL	RC		0.064					**0.064**							**0.000**	**0.064**
RRVUNL	RC							**0.000**		15.000					**15.000**	**15.000**
RRVUNL	CP	11.233						**11.233**							**0.000**	**11.233**
NTPC	RC							**0.000**		10.345			0.210	0.141	**10.696**	**10.696**
WBPDCL	RC		1.927					**1.927**							**0.000**	**1.927**
CSPGCL	RC							**0.000**		0.018					**0.018**	**0.018**
TSPGCL	RC							**0.000**		1.657					**1.657**	**1.657**
OCPL	RC		0.515					**0.515**							**0.000**	**0.515**
Public	**RC**	**326.748**	**183.034**	**11.261**	**2.104**	**110.034**	**3.258**	**636.439**	**0.419**	**37.247**	**0.000**	**0.070**	**0.210**	**0.141**	**38.087**	**674.526**
Public	**CP**	**21.825**	**0.073**	**0.000**	**0.000**	**0.000**	**0.001**	**21.899**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**21.899**
TSL	RC							**0.000**		0.099	6.107				**6.206**	**6.206**
TSL	CP	4.733						4.733							0.000	4.733
CESC	RC							**0.000**		1.887					**1.887**	**1.887**
CESC	CP		0.720					**0.720**							**0.000**	**0.720**
HIL	RC		0.244					**0.244**		0.665					**0.665**	**0.909**
SPL	RC		18.783					**18.783**							**0.000**	**18.783**
GMR	RC							**0.000**							**0.000**	**0.000**
BALCO	RC							**0.000**		0.874					**0.874**	**0.874**
SIL	RC	0.224						**0.224**							**0.000**	**0.224**
JPVL	RC							**0.000**	2.800						**2.800**	**2.800**
RCCPL	RC		0.182					**0.182**							**0.000**	**0.182**
TUML	RC		0.284					**0.284**							**0.000**	**0.284**
OCL	RC		0.115					**0.115**							**0.000**	**0.115**
AMBUJA	RC							**0.000**		0.386					**0.386**	**0.386**
Private	**RC**	**0.224**	**19.608**	**0.000**	**0.000**	**0.000**	**0.000**	**19.832**	**2.800**	**3.911**	**6.107**	**0.000**	**0.000**	**0.000**	**12.818**	**32.650**
Private	**CP**	**4.733**	**0.720**	**0.000**	**0.000**	**0.000**	**0.000**	**5.453**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.453**
Grand Total	**RC**	**326.972**	**202.642**	**11.261**	**2.104**	**110.034**	**3.258**	**656.271**	**3.219**	**41.158**	**6.107**	**0.070**	**0.210**	**0.141**	**50.905**	**707.176**
Grand Total	**CP**	**26.558**	**0.793**	**0.000**	**0.000**	**0.000**	**0.001**	**27.352**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**27.352**

RC=Raw Coal CP=Coal Products

TABLE 4.18: COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS (INCLUDING WASHERIES) DURING 2019-20

(Quantity in Million Tonnes)

Company	Power (Utility)	Power (Captive)	Metallurgical Use			Non Coking Washery	Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic-Metal (Aluminium etc)	Chemical	Pulp & Paper	Textiles & Rayons	Bricks	Other	Total Despatches	Colliery Own - Consumption	Colliery Staff	Total Offtake
			Direct Feed	Coking Washery	Cokeries															
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	**(18)**	(19)	(20)	**(21)**
ECL	45.333	0.296						0.076		0.282						3.148	**49.135**	0.181		**49.316**
BCCL	23.627	0.011	0.650	1.431	0.513	0.215			0.976							1.248	**28.671**	0.014		**28.685**
CCL	46.648	4.617		2.251		6.519		0.055	0.143	0.912						6.187	**67.332**			**67.332**
NCL	92.728	7.371						0.371		0.225						6.728	**107.423**			**107.423**
WCL	42.998	1.251	0.008		0.046			1.825		0.458		0.004	0.218	0.021		5.747	**52.576**	0.004		**52.580**
SECL	112.487	11.641	0.154					3.213	0.625	5.581						4.517	**138.218**	0.010		**138.228**
SECL(GP-IV/2&3	1.459															1.429	**2.888**			**2.888**
SECL(GP-IV/1)	0.738															0.083	**0.821**			**0.821**
MCL	92.675	23.566						0.206	0.020	2.775	0.473		0.165			14.134	**134.014**	0.002		**134.016**
NEC	0.464	0.015						0.066								0.017	**0.562**			**0.562**
CIL	**459.157**	**48.768**	**0.812**	**3.682**	**0.559**	**6.734**	**0.000**	**5.812**	**1.764**	**10.233**	**0.473**	**0.004**	**0.383**	**0.021**	**0.000**	**43.238**	**581.640**	**0.211**	**0.000**	**581.851**
SCCL	52.935	3.168						2.189		0.104	0.130	0.205	0.943	0.080	0.002	2.709	**62.465**			**62.465**
JKML																0.010	**0.010**			**0.010**
DVC																	**0.000**			**0.000**
IISCO				0.300			0.234										**0.534**			**0.534**
SAIL																	**0.000**			**0.000**
JSMDCL	0.040														0.024		**0.064**			**0.064**
RRVUNL						15.000											**15.000**			**15.000**
NTPC		10.696															**10.696**			**10.696**
WBPDCL	1.927																**1.927**			**1.927**
CSPGCL		0.018															**0.018**			**0.018**
TSPGCL		1.657															**1.657**			**1.657**
OCPL	0.515																**0.515**			**0.515**
PUBLIC	**514.574**	**64.307**	**0.812**	**3.982**	**0.559**	**21.734**	**0.234**	**8.001**	**1.764**	**10.337**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**45.957**	**674.526**	**0.211**	**0.000**	**674.737**
TSL			5.124	1.082													**6.206**			**6.206**
CESC	0.927					0.960											**1.887**			**1.887**
HIL		0.909															**0.909**			**0.909**
SPL		18.783															**18.783**			**18.783**
GMR																	**0.000**			**0.000**
BALCO		0.874															**0.874**			**0.874**
SIL		0.124								0.065						0.035	**0.224**			**0.224**
JPVL	2.800																**2.800**			**2.800**
RCCPL								0.182									**0.182**			**0.182**
TUML		0.157				0.127											**0.284**			**0.284**
OCL			0.115														**0.115**			**0.115**
AMBUJA								0.386									**0.386**			**0.386**
PRIVATE	**3.727**	**20.847**	**5.239**	**1.082**	**0.000**	**1.087**	**0.000**	**0.568**	**0.000**	**0.065**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.035**	**32.650**	**0.000**	**0.000**	**32.650**
GRAND TOTAL	**518.301**	**85.154**	**6.051**	**5.064**	**0.559**	**22.821**	**0.234**	**8.569**	**1.764**	**10.402**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**45.992**	**707.176**	**0.211**	**0.000**	**707.387**

TABLE 4.19 : COMPANYWISE OFF-TAKE OF LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2019-20

(Quantity in Million Tonnes)

Company	Power (Utility)	Power (Captive)	Metallurgical Use			Non Coking Washery	Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic-Metal (Aluminium etc)	Chemical	Pulp & Paper	Textiles & Rayons	Bricks	Other	Total Despatches	Colliery Own - Consumption	Colliery Staff	Total Offtake
			Direct Feed	Coking Washery	Cokeries															
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	**(18)**	(19)	(20)	**(21)**
GIPCL		3.342															**3.342**			**3.342**
GMDCL		2.691						0.144	0.002	0.014		0.298	0.438	0.122	0.454	2.794	**6.957**			**6.957**
GHCL		0.055															**0.055**			**0.055**
NLCL	9.887	14.357	0.021					0.628					0.108		0.011	0.111	**25.123**			**25.123**
RSMML								0.224			0.043			0.040		0.483	**0.790**			**0.790**
VSLPPL		0.697															**0.697**			**0.697**
BLMCL		5.303															**5.303**			**5.303**
TOTAL	**9.887**	**26.445**	**0.021**	**0.000**	**0.000**	**0.000**	**0.000**	**0.996**	**0.002**	**0.014**	**0.043**	**0.298**	**0.546**	**0.162**	**0.465**	**3.388**	**42.267**	**0.000**	**0.000**	**42.267**

TABLE 4.20 : COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS DURING 2019-20

(Quantity in Million Tonnes)

Company	Power (Utility)	Power (Captive)	Steel (Direct Feed)	Steel (coke oven plants & cokeries)	Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic-Metal (Aluminium etc)	Chemical	Pulp & Paper	Textiles & Rayons	Bricks	Other	Total Despatches	Colliery Own Consumption	Colliery Staff	Total Offtake
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	**(16)**	(17)	(18)	**(19)**
ECL	45.333	0.296				0.076		0.282						3.148	**49.135**	0.181		**49.316**
BCCL	23.842	0.011	0.650	1.944			0.976							1.248	**28.671**	0.014		**28.685**
CCL	53.167	4.617		2.251		0.055	0.143	0.912						6.187	**67.332**			**67.332**
NCL	92.728	7.371				0.371		0.225						6.728	**107.423**			**107.423**
WCL	42.998	1.251	0.008	0.046		1.825		0.458		0.004	0.218	0.021		5.747	**52.576**	0.004		**52.580**
SECL	112.487	11.641	0.154			3.213	0.625	5.581						4.517	**138.218**	0.010		**138.228**
SECL(GP-IV/2&3)	1.459													1.429	**2.888**			**2.888**
SECL(GP-IV/1)	0.738													0.083	**0.821**			**0.821**
MCL	92.675	23.566				0.206	0.020	2.775	0.473		0.165			14.134	**134.014**	0.002		**134.016**
NEC	0.464	0.015				0.066								0.017	**0.562**			**0.562**
CIL	**465.891**	**48.768**	**0.812**	**4.241**	**0.000**	**5.812**	**1.764**	**10.233**	**0.473**	**0.004**	**0.383**	**0.021**	**0.000**	**43.238**	**581.640**	**0.211**	**0.000**	**581.851**
SCCL	52.935	3.168				2.189		0.104	0.130	0.205	0.943	0.080	0.002	2.709	**62.465**			**62.465**
JKML														0.010	**0.010**			**0.010**
DVC															**0.000**			**0.000**
IISCO				0.300	0.234										**0.534**			**0.534**
SAIL															**0.000**			**0.000**
JSMDCL	0.040												0.024		**0.064**			**0.064**
RRVUNL	15.000														**15.000**			**15.000**
NTPC		10.696													**10.696**			**10.696**
WBPDCL	1.927														**1.927**			**1.927**
CSPGCL		0.018													**0.018**			**0.018**
TSPGCL		1.657													**1.657**			**1.657**
OCPL	0.515														**0.515**			**0.515**
PUBLIC	**536.308**	**64.307**	**0.812**	**4.541**	**0.234**	**8.001**	**1.764**	**10.337**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**45.957**	**674.526**	**0.211**	**0.000**	**674.737**
TSL			5.124	1.082											**6.206**			**6.206**
CESC	1.887														**1.887**			**1.887**
HIL		0.909													**0.909**			**0.909**
SPL		18.783													**18.783**			**18.783**
GMR															**0.000**			**0.000**
BALCO		0.874													**0.874**			**0.874**
SIL		0.124						0.065						0.035	**0.224**			**0.224**
JPVL	2.800														**2.800**			**2.800**
RCCPL						0.182									**0.182**			**0.182**
TUML		0.157						0.127							**0.284**			**0.284**
OCL			0.115												**0.115**			**0.115**
AMBUJA						0.386									**0.386**			**0.386**
PRIVATE	**4.687**	**20.847**	**5.239**	**1.082**	**0.000**	**0.568**	**0.000**	**0.192**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.035**	**32.650**	**0.000**	**0.000**	**32.650**
GRAND TOTAL	**540.995**	**85.154**	**6.051**	**5.623**	**0.234**	**8.569**	**1.764**	**10.529**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**45.992**	**707.176**	**0.211**	**0.000**	**707.387**

TABLE 4.21 : GRADE WISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS (INCLUDING WASHERIES) DURING 2019-20

(Quantity in Million Tonnes)

Grade	Sectors																			
			Metallurgical Use																	
	Power (Utility)	Power (Captive)	Direct Feed	Coking Washer	Cokeries	Non Coking Washery	Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic Metal (Aluminium	Chemical	Pulp & Paper	Textiles & Rayons	Bricks	Other	Total Despatches	Colliery Own - Consumptio	Colliery Staff	Total Offtake
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	**(18)**	**(19)**	(20)	**(21)**
Steel-I			0.039														**0.039**	0.006		**0.045**
Steel-II			0.128														**0.128**			**0.128**
SC-1			0.154													0.015	**0.169**			**0.169**
Wash-I			0.105	0.050													**0.155**			**0.155**
Wash-II	1.888		0.291	0.149													**2.328**			**2.328**
Wash-III	6.057		0.535	2.674												0.103	**9.369**			**9.369**
Wash-IV	21.388	0.012	4.684	2.191	0.559				0.765							1.281	**30.880**	0.008		**30.888**
Wash-V	7.581																**7.581**			**7.581**
Wash-VI	0.007																**0.007**			**0.007**
Mg Feed																	**0.000**			**0.000**
SLV1																	**0.000**			**0.000**
Total Coking	**36.921**	**0.012**	**5.936**	**5.064**	**0.559**	**0.000**	**0.000**	**0.000**	**0.765**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.399**	**50.656**	**0.014**	**0.000**	**50.670**
G1	0.003	0.005														0.012	**0.020**			**0.020**
G2	0.268	0.010						0.057								0.005	**0.340**			**0.340**
G3	1.116	0.225						0.701	0.100	0.125						0.926	**3.193**	0.025		**3.218**
G4	11.624	0.296						0.084		0.281						1.813	**14.098**	0.127		**14.225**
G5	10.243	0.106					0.120	0.582	0.011	0.268	0.051	0.005				0.796	**12.182**	0.029		**12.211**
G6	3.438	0.389						0.177	0.091	0.204			0.011			0.840	**5.150**			**5.150**
G7	34.690	0.370	0.115				0.114	0.577	0.145	0.278	0.063	0.121	0.122	0.005		6.132	**42.732**	0.003		**42.735**
G8	34.413	7.260				0.215		1.794	0.367	0.559		0.022	0.022	0.015		2.366	**47.033**	0.002		**47.035**
G9	26.172	1.482						0.423	0.072	0.956		0.005	0.047	0.011		1.473	**30.641**	0.001		**30.642**
G10	60.765	24.217				6.519		1.523	0.079	0.734		0.004	0.065			5.083	**98.989**			**98.989**
G11	143.368	10.106				11.113		1.926	0.027	3.626			0.149	0.016		5.945	**176.276**	0.010		**176.286**
G12	51.863	7.043				0.127		0.214	0.022	1.152	0.058		0.157		0.024	4.288	**64.948**			**64.948**
G13	67.366	9.713						0.356	0.085	0.953	0.010	0.052	0.738	0.054		7.024	**86.351**			**86.351**
G14	35.323	11.987						0.151		1.116	0.387		0.015			3.538	**52.517**			**52.517**
G15	8.191	1.105								0.136	0.019					2.122	**11.573**			**11.573**
G16	1.826					0.461										1.436	**3.723**			**3.723**
G17	0.673	0.037				4.386									0.001	0.155	**5.252**			**5.252**
Mg Feed																	**0.000**			**0.000**
Ungrade	0.734	0.095						0.004		0.014	0.015				0.001	0.639	**1.502**			**1.502**
Total Non Coking	**492.076**	**74.446**	**0.115**	**0.000**	**0.000**	**22.821**	**0.234**	**8.569**	**0.999**	**10.402**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**44.593**	**656.520**	**0.197**	**0.000**	**656.717**
All India	**528.997**	**74.458**	**6.051**	**5.064**	**0.559**	**22.821**	**0.234**	**8.569**	**1.764**	**10.402**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**45.992**	**707.176**	**0.211**	**0.000**	**707.387**

TABLE-4.22 : SECTORWISE OFFTAKE OF COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION - COMPANYWISE IN 2019-20

(Quantity in Million Tonnes)

COMPANY	Type of coal/ coal products/Lignite	Power (Utility)	Power (Captive)	Metallurgical Use		Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic-Metal (Aluminium etc)	Chemical	Pulp & Paper	Textiles & Rayons	Bricks	Other	Total Despatches	Colliery Own - Consumption	Colliery Staff	Total Offtake
				Direct Feed	Cokeries														
(1)	(2)	(3)	(4)	(5)	(7)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	**(19)**	(20)	(21)	**(22)**
ECL	Raw Coal(External)														0.027	**0.027**			**0.027**
ECL	**Total**	**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**	**0.027**	**0.027**	**0.000**	**0.000**	**0.027**
BCCL	Raw Coal(External)	21.371	0.008	0.650				0.765							1.235	**24.029**			**24.029**
BCCL	Washed Coal			0.663												**0.663**			**0.663**
BCCL	Middlings	0.073	0.720													**0.793**			**0.793**
BCCL	**Total**	**21.444**	**0.728**	**1.313**	**0.000**	**0.000**	**0.000**	**0.765**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.235**	**25.485**	**0.000**	**0.000**	**25.485**
CCL	Raw Coal(External)	14.501	0.004												1.048	**15.553**			**15.553**
CCL	Washed Coal				0.765											**0.765**			**0.765**
CCL	Middlings	0.166	0.976													**1.142**			**1.142**
CCL	**Total**	**14.667**	**0.980**	**0.000**	**0.765**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.048**	**17.460**	**0.000**	**0.000**	**17.460**
WCL	Raw Coal(External)			0.008	0.046										0.123	**0.177**			**0.177**
WCL	**Total**	**0.000**	**0.000**	**0.008**	**0.046**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.123**	**0.177**	**0.000**	**0.000**	**0.177**
SECL	Raw Coal(External)			0.154											0.015	**0.169**			**0.169**
SECL	**Total**	**0.000**	**0.000**	**0.154**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.015**	**0.169**	**0.000**	**0.000**	**0.169**
CIL	**Raw Coal(External)**	**35.872**	**0.012**	**0.812**	**0.046**			**0.765**							**2.448**	**39.955**			**39.955**
CIL	**Washed Coal**	**0.000**	**0.000**	**0.663**	**0.765**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.428**	**0.000**	**0.000**	**1.428**
CIL	**Middlings**	**0.239**	**1.696**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.935**	**0.000**	**0.000**	**1.935**
CIL	**Total**	**36.111**	**1.708**	**1.475**	**0.811**	**0.000**	**0.000**	**0.765**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.448**	**43.318**	**0.000**	**0.000**	**43.318**
IISCOC	Washed Coal				0.385											**0.385**			**0.385**
IISCOC	Middlings					0.415										**0.415**			**0.415**
IISCOC	**Total**	**0.000**	**0.000**	**0.000**	**0.385**	**0.415**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.800**	**0.000**	**0.000**	**0.800**
Public	**Raw Coal(External)**	**35.872**	**0.012**	**0.812**	**0.046**	**0.000**	**0.000**	**0.765**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.448**	**39.955**	**0.000**	**0.000**	**39.955**
Public	**Washed Coal**	**0.000**	**0.000**	**0.663**	**1.150**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.813**	**0.000**	**0.000**	**1.813**
Public	**Middlings**	**0.239**	**1.696**	**0.000**	**0.000**	**0.415**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.350**	**0.000**	**0.000**	**2.350**
Public	**Total**	**36.111**	**2.123**	**1.475**	**1.196**			**0.765**							**2.448**	**44.118**			**44.118**
TSL	Washed Coal				3.492											**3.492**			**3.492**
TSL	Middlings	0.615	0.622		0.004											**1.241**			**1.241**
TSL	**Total**	**0.615**	**0.622**	**0.000**	**3.496**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.733**	**0.000**	**0.000**	**4.733**
Private	**Washed Coal**	**0.000**	**0.000**	**0.000**	**3.492**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**3.492**	**0.000**	**0.000**	**3.492**
Private	**Middlings**	**0.615**	**0.622**	**0.000**	**0.004**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.241**	**0.000**	**0.000**	**1.241**
Private	**Total**	**0.615**	**0.622**	**0.000**	**3.496**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.733**	**0.000**	**0.000**	**4.733**
Grand Total	**Raw Coal(External)**	**35.872**	**0.012**	**0.812**	**0.046**	**0.000**	**0.000**	**0.765**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.448**	**39.955**	**0.000**	**0.000**	**39.955**
Grand Total	**Washed Coal**	**0.000**	**0.000**	**0.663**	**4.642**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.305**	**0.000**	**0.000**	**5.305**
Grand Total	**Middlings**	**0.854**	**2.318**	**0.000**	**0.004**	**0.415**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**3.591**	**0.000**	**0.000**	**3.591**
Grand Total	**Total**	**36.726**	**2.330**	**1.475**	**4.692**	**0.415**	**0.000**	**0.765**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.448**	**48.851**	**0.000**	**0.000**	**48.851**

TABLE-4.23: SECTORWISE OFFTAKE OF NON-COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION-COMPANYWISE IN 2019-20

(Quantity in Million Tonnes)

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)	45.333	0.296				0.076		0.282						3.121	**49.108**	0.181		**49.289**
ECL	**Total**	**45.333**	**0.296**	**0.000**	**0.000**	**0.000**	**0.076**	**0.000**	**0.282**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**3.121**	49.108	**0.181**	**0.000**	49.289
BCCL	Raw Coal (External)	2.256	0.003					0.211							0.013	**2.483**			**2.483**
BCCL	**Total**	**2.256**	**0.003**	**0.000**	**0.000**	**0.000**	**0.000**	**0.211**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.013**	2.483	**0.000**	**0.000**	2.483
CCL	Raw Coal (External)	32.147	4.613				0.055	0.143	0.912						5.139	**43.009**			**43.009**
CCL	Washed Coal	6.321	0.182													**6.503**			**6.503**
CCL	**Total**	**38.468**	**4.795**	**0.000**	**0.000**	**0.000**	**0.055**	**0.143**	**0.912**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.139**	49.512	**0.000**	**0.000**	49.512
NCL	Raw Coal (External)	92.728	7.371				0.371		0.225						6.728	**107.423**			**107.423**
NCL	**Total**	**92.728**	**7.371**	**0.000**	**0.000**	**0.000**	**0.371**	**0.000**	**0.225**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**6.728**	107.423	**0.000**	**0.000**	107.423
WCL	Raw Coal (External)	42.998	1.251				1.825		0.458		0.004	0.218	0.021		5.624	**52.399**			**52.399**
WCL	**Total**	**42.998**	**1.251**	**0.000**	**0.000**	**0.000**	**1.825**	**0.000**	**0.458**	**0.000**	**0.004**	**0.218**	**0.021**	**0.000**	**5.624**	52.399	**0.000**	**0.000**	52.399
SECL	Raw Coal (External)	112.487	11.641				3.213	0.625	5.581						4.502	**138.049**	0.010		**138.059**
SECL	**Total**	**112.487**	**11.641**	**0.000**	**0.000**	**0.000**	**3.213**	**0.625**	**5.581**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.502**	138.049	**0.010**	**0.000**	138.059
SECL(GP-IV/2&3)	Raw Coal (External)	1.459													1.429	**2.888**			**2.888**
SECL(GP-IV/2&3)	**Total**	**1.459**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.429**	2.888	**0.000**	**0.000**	2.888
SECL(GP-IV/1)	Raw Coal (External)	0.738													0.083	**0.821**			**0.821**
SECL(GP-IV/1)	**Total**	**0.738**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.083**	0.821	**0.000**	**0.000**	0.821
MCL	Raw Coal (External)	92.675	23.566				0.206	0.020	2.775	0.473		0.165			14.134	**134.014**	0.002		**134.016**
MCL	**Total**	**92.675**	**23.566**	**0.000**	**0.000**	**0.000**	**0.206**	**0.020**	**2.775**	**0.473**	**0.000**	**0.165**	**0.000**	**0.000**	**14.134**	134.014	**0.002**	**0.000**	134.016
NEC	Raw Coal (External)	0.464	0.015				0.066								0.017	**0.562**			**0.562**
NEC	**Total**	**0.464**	**0.015**	**0.000**	**0.000**	**0.000**	**0.066**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.017**	0.562	**0.000**	**0.000**	0.562
CIL	**Raw Coal (External)**	**423.285**	**48.756**				**5.812**	**0.999**	**10.233**	**0.473**	**0.004**	**0.383**	**0.021**		**40.790**	**530.756**	**0.193**		**530.949**
CIL	**Washed Coal**	**6.321**	**0.182**													**6.503**			**6.503**
CIL	**Total**	**429.606**	**48.938**	**0.000**	**0.000**	**0.000**	**5.812**	**0.999**	**10.233**	**0.473**	**0.004**	**0.383**	**0.021**	**0.000**	**40.790**	537.259	**0.193**	**0.000**	537.452
SCCL	Raw Coal (External)	52.935	3.168				2.189		0.104	0.130	0.205	0.943	0.080	0.002	2.709	**62.465**			**62.465**
SCCL	**Total**	**52.935**	**3.168**	**0.000**	**0.000**	**0.000**	**2.189**	**0.000**	**0.104**	**0.130**	**0.205**	**0.943**	**0.080**	**0.002**	**2.709**	62.465	**0.000**	**0.000**	62.465
JKML	Raw Coal (External)														0.010	**0.010**			**0.010**
JKML	**Total**	**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**	**0.010**	0.010	**0.000**	**0.000**	0.010
IISCO	Raw Coal (External)					0.234										**0.234**			**0.234**
IISCO	**Total**	**0.000**	**0.000**	**0.000**	**0.000**	**0.234**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.234	**0.000**	**0.000**	0.234
JSMDCL	Raw Coal (External)	0.040												0.024		**0.064**			**0.064**
JSMDCL	**Total**	**0.040**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.024**	**0.000**	0.064	**0.000**	**0.000**	0.064
RRVUNL	Washed Coal		11.233													**11.233**			**11.233**
RRVUNL	**Total**	**0.000**	**11.233**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	11.233	**0.000**	**0.000**	11.233
NTPC	Raw Coal (External)	10.696														**10.696**			**10.696**
NTPC	**Total**	**10.696**	**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**	10.696	**0.000**	**0.000**	10.696
WBPDCL	Raw Coal (External)	1.927														**1.927**			**1.927**
WBPDCL	**Total**	**1.927**	**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**	1.927	**0.000**	**0.000**	1.927
CSPGCL	Raw Coal (External)		0.018													**0.018**			**0.018**
CSPGCL	**Total**	**0.000**	**0.018**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.018	**0.000**	**0.000**	0.018
TSPGCL	Raw Coal (External)		1.657													**1.657**			**1.657**
TSPGCL	**Total**	**0.000**	**1.657**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	1.657	**0.000**	**0.000**	1.657
OCPL	Raw Coal (External)	0.515														**0.515**			**0.515**
OCPL	**Total**	**0.515**	**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**	0.515	**0.000**	**0.000**	0.515
PUBLIC	**Raw Coal (External)**	**489.398**	**53.599**			**0.234**	**8.001**	**0.999**	**10.337**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**43.509**	**608.342**	**0.193**		**608.535**
PUBLIC	**Washed Coal**	**6.321**	**11.415**													**17.736**			**17.736**
PUBLIC	**Total**	**495.719**	**65.014**	**0.000**	**0.000**	**0.234**	**8.001**	**0.999**	**10.337**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**43.509**	626.078	**0.193**	**0.000**	626.271
CESC	Washed Coal	0.720														**0.720**			**0.720**
CESC	**Total**	**0.720**	**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**	0.720	**0.000**	**0.000**	0.720
HIL	Raw Coal (External)		0.909													**0.909**			**0.909**
HIL	**Total**	**0.000**	**0.909**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.909	**0.000**	**0.000**	0.909
SPL	Raw Coal (External)		18.783													**18.783**			**18.783**
SPL	**Total**	**0.000**	**18.783**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	18.783	**0.000**	**0.000**	18.783
BALCO	Raw Coal (External)		0.874													**0.874**			**0.874**
BALCO	**Total**	**0.000**	**0.874**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.874	**0.000**	**0.000**	0.874
SIL	Raw Coal (External)		0.124						0.065						0.035	**0.224**			**0.224**
SIL	**Total**	**0.000**	**0.124**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.065**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.035**	0.224	**0.000**	**0.000**	0.224
JPVL	Raw Coal (External)	2.800														**2.800**			**2.800**
JPVL	**Total**	**2.800**	**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**	2.800	**0.000**	**0.000**	2.800
RCCPL	Raw Coal (External)						0.103									**0.103**			**0.103**
RCCPL	**Total**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.103**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.103	**0.000**	**0.000**	0.103
TUML	Raw Coal (External)		0.157						0.127							**0.284**			**0.284**
TUML	**Total**	**0.000**	**0.157**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.127**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.284	**0.000**	**0.000**	0.284
OCL	Raw Coal (External)			0.115												**0.115**			**0.115**
OCL	**Total**	**0.000**	**0.000**	**0.115**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.115	**0.000**	**0.000**	0.115
AMBUJA	Raw Coal (External)						0.386									**0.386**			**0.386**
AMBUJA	**Total**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.386**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.386	**0.000**	**0.000**	0.386
PRIVATE	**Raw Coal (External)**	**2.800**	**20.847**	**0.115**			**0.489**		**0.192**						**0.035**	**24.478**			**24.478**
PRIVATE	**Washed Coal**	**0.720**														**0.720**			**0.720**
PRIVATE	**Total**	**3.520**	**20.847**	**0.115**	**0.000**	**0.000**	**0.489**	**0.000**	**0.192**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.035**	25.198	**0.000**	**0.000**	25.198
GRAND TOTAL	**Raw Coal (External)**	**492.198**	**74.446**	**0.115**		**0.234**	**8.490**	**0.999**	**10.529**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**43.544**	**632.820**	**0.193**		**633.013**
GRAND TOTAL	**Washed Coal**	**7.041**	**11.415**													**18.456**			**18.456**
GRAND TOTAL	**Total**	**499.239**	**85.861**	**0.115**	**0.000**	**0.234**	**8.490**	**0.999**	**10.529**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**43.544**	651.276	**0.193**	**0.000**	651.469

TABLE-4.24: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDLINGS & LIGNITE FOR FINAL CONSUMTION TO DIFFERENT STATES: 2019-20

(Quantity in Million Tonnes)

Company	Raw of Coal & Coal Products	Power (Utility)	Power (Captive)	Metallurgical Use		Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic-Metal (Aluminium etc)	Chemical	Pulp & Paper	Textiles & Rayons	Bricks	Other	Despatches	Colliery Own - Consumption	Colliery Staff	Offtake
				Direct Feed	Cokeries														
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	**(17)**	(18)	(19)	**(20)**
Andhra Pradesh	Raw Coal (FC)	32.237	2.051				0.214		0.035	0.022	0.089	0.137			0.621	**35.406**			**35.406**
	Washed Coal	0.004														**0.004**			**0.004**
	Tot Coal (FC)	**32.241**	**2.051**	**0.000**	**0.000**	**0.000**	**0.214**	**0.000**	**0.035**	**0.022**	**0.089**	**0.137**	**0.000**	**0.000**	**0.621**	35.410	**0.000**	**0.000**	35.410
Assam	Raw Coal (FC)	1.993	0.004				0.037								0.064	**2.098**			**2.098**
	Tot Coal (FC)	**1.993**	**0.004**	**0.000**	**0.000**	**0.000**	**0.037**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.064**	2.098	**0.000**	**0.000**	2.098
Bihar	Raw Coal (FC)	21.183													0.641	**21.824**			**21.824**
	Washed Coal	0.539														**0.539**			**0.539**
	Tot Coal (FC)	**21.722**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.641**	22.363	**0.000**	**0.000**	22.363
Chhattisgarh	Raw Coal (FC)	65.638	9.994	0.075			2.252		5.338						5.194	**88.491**	0.010		**88.501**
	Washed Coal	0.004		0.118												**0.122**			**0.122**
	Middlings		0.082													**0.082**			**0.082**
	Tot Coal (FC)	**65.642**	**10.076**	**0.193**	**0.000**	**0.000**	**2.252**	**0.000**	**5.338**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.194**	88.695	**0.010**	**0.000**	88.705
Gujarat	Raw Coal (FC)	15.798	0.371					0.298				0.072			1.168	**17.707**			**17.707**
	Tot Coal (FC)	**15.798**	**0.371**	**0.000**	**0.000**	**0.000**	**0.000**	**0.298**	**0.000**	**0.000**	**0.000**	**0.072**	**0.000**	**0.000**	**1.168**	17.707	**0.000**	**0.000**	17.707
Haryana	Raw Coal (FC)	11.379						0.368							0.001	**11.748**			**11.748**
	Washed Coal	0.428														**0.428**			**0.428**
	Middlings	0.006														**0.006**			**0.006**
	Tot Coal (FC)	**11.813**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.368**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.001**	12.182	**0.000**	**0.000**	12.182
Himachal Pradesh	Raw Coal (FC)						0.027								0.004	**0.031**			**0.031**
	Tot Coal (FC)	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.027**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.004**	0.031	**0.000**	**0.000**	0.031
J & K	Raw Coal (FC)						0.008								0.010	**0.018**			**0.018**
	Tot Coal (FC)	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.008**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.010**	0.018	**0.000**	**0.000**	0.018
Jharkhand	Raw Coal (FC)	24.102	1.021	5.668	0.513	0.234	0.080		0.525					0.024	3.705	**35.872**	0.015		**35.887**
	Washed Coal	1.725	0.182	0.179	1.526											**3.612**			**3.612**
	Middlings	0.693	1.954													**2.647**			**2.647**
	Tot Coal (FC)	**26.520**	**3.157**	**5.847**	**2.039**	**0.234**	**0.080**	**0.000**	**0.525**	**0.000**	**0.000**	**0.000**	**0.000**	**0.024**	**3.705**	42.131	**0.015**	**0.000**	42.146
Kerala	Raw Coal (FC)						0.036									**0.036**			**0.036**
	Tot Coal (FC)	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.036**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.036	**0.000**	**0.000**	0.036
Karnataka	Raw Coal (FC)	10.828	1.396				0.635		0.012		0.003	0.100	0.068		0.033	**13.075**			**13.075**
	Tot Coal (FC)	**10.828**	**1.396**	**0.000**	**0.000**	**0.000**	**0.635**	**0.000**	**0.012**	**0.000**	**0.003**	**0.100**	**0.068**	**0.000**	**0.033**	13.075	**0.000**	**0.000**	13.075
Maharashtra	Raw Coal (FC)	62.225	0.794				1.743		0.520		0.004	0.045	0.021		4.200	**69.552**	0.003		**69.555**
	Washed Coal	0.032														**0.032**			**0.032**
	Tot Coal (FC)	**62.257**	**0.794**	**0.000**	**0.000**	**0.000**	**1.743**	**0.000**	**0.520**	**0.000**	**0.004**	**0.045**	**0.021**	**0.000**	**4.200**	69.584	**0.003**	**0.000**	69.587
Meghalaya	Raw Coal (FC)		0.011				0.037								0.107	**0.155**			**0.155**
	Tot Coal (FC)	**0.000**	**0.011**	**0.000**	**0.000**	**0.000**	**0.037**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.107**	0.155	**0.000**	**0.000**	0.155
Madhya Pradesh	Raw Coal (FC)	54.327	23.236	0.008	0.046		1.521		0.030			0.001			2.629	**81.798**	0.001		**81.799**
	Tot Coal (FC)	**54.327**	**23.236**	**0.008**	**0.046**	**0.000**	**1.521**	**0.000**	**0.030**	**0.000**	**0.000**	**0.001**	**0.000**	**0.000**	**2.629**	81.798	**0.001**	**0.000**	81.799
Odisha	Raw Coal (FC)	33.458	25.286	0.079			0.206	0.020	2.994	0.473		0.117			13.403	**76.036**	0.002		**76.038**
	Washed Coal			0.197	0.517											**0.714**			**0.714**
	Middlings		0.162													**0.162**			**0.162**
	Tot Coal (FC)	**33.458**	**25.448**	**0.276**	**0.517**	**0.000**	**0.206**	**0.020**	**2.994**	**0.473**	**0.000**	**0.117**	**0.000**	**0.000**	**13.403**	76.912	**0.002**	**0.000**	76.914
Panjab	Raw Coal (FC)	11.994	0.420					0.608							0.039	**13.061**			**13.061**
	Tot Coal (FC)	**11.994**	**0.420**	**0.000**	**0.000**	**0.000**	**0.000**	**0.608**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.039**	13.061	**0.000**	**0.000**	13.061

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TABLE-4.24: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDLINGS & LIGNITE FOR FINAL CONSUMTION TO DIFFERENT STATES: 2019-20

(Quantity in Million Tonnes)

Company	Raw of Coal & Coal Products	Power (Utility)	Power (Captive)	Metallurgical Use		Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic-Metal (Aluminium etc)	Chemical	Pulp & Paper	Textiles & Rayons	Bricks	Other	Despatches	Colliery Own - Consumption	Colliery Staff	Offtake
				Direct Feed	Cokeries														
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	**(17)**	(18)	(19)	**(20)**
Rajasthan	Raw Coal (FC)	14.128	1.263				0.280	0.327							0.510	**16.508**			**16.508**
	Washed Coal		11.233													**11.233**			**11.233**
	Tot Coal (FC)	**14.128**	**12.496**	**0.000**	**0.000**	**0.000**	**0.280**	**0.327**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.510**	**27.741**	**0.000**	**0.000**	**27.741**
Telangana	Raw Coal (FC)	28.300	2.990				1.246		0.074	0.108	0.113	0.836	0.012		1.762	**35.441**			**35.441**
	Tot Coal (FC)	**28.300**	**2.990**	**0.000**	**0.000**	**0.000**	**1.246**	**0.000**	**0.074**	**0.108**	**0.113**	**0.836**	**0.012**	**0.000**	**1.762**	**35.441**	**0.000**	**0.000**	**35.441**
Tamilnadu	Raw Coal (FC)	18.163	0.037				0.089					0.004		0.002	0.083	**18.378**			**18.378**
	Tot Coal (FC)	**18.163**	**0.037**	**0.000**	**0.000**	**0.000**	**0.089**	**0.000**	**0.000**	**0.000**	**0.000**	**0.004**	**0.000**	**0.002**	**0.083**	**18.378**	**0.000**	**0.000**	**18.378**
Uttarakhand	Raw Coal (FC)														0.004	**0.004**			**0.004**
	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**	**0.004**	**0.004**	**0.000**	**0.000**	**0.004**
Uttar Pradesh	Raw Coal (FC)	75.141	4.201				0.158	0.143	0.234						6.519	**86.396**			**86.396**
	Washed Coal	3.523														**3.523**			**3.523**
	Middlings	0.086														**0.086**			**0.086**
	Tot Coal (FC)	**78.750**	**4.201**	**0.000**	**0.000**	**0.000**	**0.158**	**0.143**	**0.234**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**6.519**	**90.005**	**0.000**	**0.000**	**90.005**
Uttaranchal	Raw Coal (FC)		0.648												0.313	**0.961**			**0.961**
	Tot Coal (FC)	**0.000**	**0.648**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.313**	**0.961**	**0.000**	**0.000**	**0.961**
West Bengal	Raw Coal (FC)	48.103	0.735	0.221					0.640			0.014			1.750	**51.463**	0.180		**51.643**
	Washed Coal	0.786		0.169	0.547											**1.502**			**1.502**
	Middlings	0.069	0.535													**0.604**			**0.604**
	Tot Coal (FC)	**48.958**	**1.270**	**0.390**	**0.547**	**0.000**	**0.000**	**0.000**	**0.640**	**0.000**	**0.000**	**0.014**	**0.000**	**0.000**	**1.750**	**53.569**	**0.180**	**0.000**	**53.749**
Others	Raw Coal (FC)														3.232	**3.232**			**3.232**
	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**	**3.232**	**3.232**	**0.000**	**0.000**	**3.232**
All India	**Raw Coal (FC)**	**528.997**	**74.458**	**6.051**	**0.559**	**0.234**	**8.569**	**1.764**	**10.402**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**42.760**	**676.059**	**0.211**	**0.000**	**676.270**
	Washed Coal	**7.041**	**11.415**	**0.663**	**2.590**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**21.709**	**0.000**	**0.000**	**21.709**
	Middlings	**0.854**	**2.733**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**3.587**	**0.000**	**0.000**	**3.587**
	Tot Coal (FC)	**536.892**	**88.606**	**6.714**	**3.149**	**0.234**	**8.569**	**1.764**	**10.402**	**0.603**	**0.209**	**1.326**	**0.101**	**0.026**	**42.760**	**701.355**	**0.211**	**0.000**	**701.566**
LIGNITE :																			
Gujarat	Lignite		6.088				0.144	0.002	0.014		0.298	0.438	0.122	0.454	2.794	**10.354**			**10.354**
Rajasthan	Lignite		7.348				0.224			0.043			0.040		0.483	**8.138**			**8.138**
Tamilnadu	Lignite	9.887	13.009	0.021			0.628					0.108		0.011	0.111	**23.775**			**23.775**
ALL India	**Lignite**	**9.887**	**26.445**	**0.021**	**0.000**	**0.000**	**0.996**	**0.002**	**0.014**	**0.043**	**0.298**	**0.546**	**0.162**	**0.465**	**3.388**	**42.267**	**0.000**	**0.000**	**42.267**

TABLE 4.25 : AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL FROM PUBLIC & PRIVATE SECTORS DURING LAST TEN YEARS

(Quantity in Million Tonnes)

YEAR	PUBLIC							PRIVATE							ALL INDIA						
	AVAILABILITY			OFF-TAKE			Closing Stock	AVAILABILITY			OFF-TAKE			Closing Stock	AVAILABILITY			OFF-TAKE			Closing Stock
	Op.St.	Prdn.	Total	Desp.	Coll. Con.	Total		Op.St.	Prdn.	Total	Desp.	Coll. Con.	Total		Op.St.	Prdn.	Total	Desp.	Coll. Con.	Total	
(1)	(2)	(3)	**(4)**	(5)	(6)	**(7)**	(8)	(9)	(10)	**(11)**	(12)	(13)	**(14)**	(15)	(16)	(17)	**(18)**	(19)	(20)	**(21)**	(22)
2010-11	63.175	485.061	**548.236**	476.060	0.614	**476.674**	71.569	1.688	47.633	**49.321**	47.405	0.008	**47.413**	0.623	64.863	532.694	**597.557**	523.465	0.621	**524.086**	72.192
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

TABLE 4.26 : AVAILABILITY AND OFF-TAKE OF INDIAN COAL BY CAPTIVE/NON CAPTIVE MINES IN 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)
2010-11	1.732	34.224	**35.956**	33.664	0.000	**33.664**	0.719	63.131	498.470	**561.601**	489.801	0.621	**490.422**	71.473	64.863	532.694	**597.557**	523.465	0.621	**524.086**	72.192
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

TABLE 4.27: AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2018-19 & 2019-20

Company	2018-19							2019-20						
	AVAILABILITY			OFF-TAKE			Closing Stock	AVAILABILITY			OFF-TAKE			Closing Stock
	Opening Stock	Production	Total	Despatches	Colliery Consumption	Total		Opening Stock	Production	Total	Despatches	Colliery Consumption	Total	
(1)	(2)	(3)	**(4)**	(5)	(6)	**(7)**	(8)	(9)	(10)	**(11)**	(12)	(13)	**(14)**	(15)
CIL	55.630	606.887	**662.517**	607.953	0.220	**608.173**	54.291	54.291	602.129	**656.420**	581.640	0.211	**581.851**	75.055
SCCL	4.921	64.401	**69.322**	67.669		**67.669**	1.609	1.609	64.044	**65.653**	62.465		**62.465**	3.188
JKML	0.005	0.013	**0.018**	0.016		**0.016**	0.003	0.003	0.014	**0.017**	0.010		**0.010**	0.007
JSMDCL	0.000	0.228	**0.228**	0.228		**0.228**	0.000	0.000	0.068	**0.068**	0.064		**0.064**	0.004
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	0.007	0.743	**0.750**	0.744		**0.744**	0.004	0.004	0.534	**0.538**	0.534		**0.534**	0.004
SAIL	0.185	0.000	**0.185**	0.000		**0.000**	0.185	0.185	0.000	**0.185**	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	0.223	7.311	**7.534**	6.972		**6.972**	0.561	0.561	11.151	**11.712**	10.696		**10.696**	1.016
WBPDCL		0.400	**0.400**	0.337		**0.337**	0.063	0.063	2.112	**2.175**	1.927		**1.927**	0.250
CSPGCL								0.000	0.510	**0.510**	0.018		**0.018**	0.492
TSPGCL	0.000	0.759	**0.759**	0.757		**0.757**	0.002	0.002	1.659	**1.661**	1.657		**1.657**	0.004
OCPL			**0.000**			**0.000**	0.000	0.000	1.003	**1.003**	0.515		**0.515**	0.488
PUBLIC	**61.031**	**695.742**	**756.773**	**699.676**	**0.220**	**699.896**	**56.778**	**56.778**	**698.224**	**755.002**	**674.526**	**0.211**	**674.737**	**80.568**
TSL	0.024	6.546	**6.570**	6.561		**6.561**	0.009	0.009	6.210	**6.219**	6.206		**6.206**	0.012
SPL	0.264	18.000	**18.264**	18.001		**18.001**	0.264	0.264	18.700	**18.964**	18.783		**18.783**	0.181
CESC	0.240	1.856	**2.096**	1.948		**1.948**	0.148	0.148	1.958	**2.106**	1.887		**1.887**	0.219
HIL	0.457	2.173	**2.630**	2.310		**2.310**	0.319	0.319	0.729	**1.048**	0.909		**0.909**	0.141
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	0.000	0.667	**0.667**	0.563		**0.563**	0.103	0.103	1.000	**1.103**	0.874		**0.874**	0.230
SIL	0.017	0.270	**0.287**	0.270		**0.270**	0.017	0.017	0.270	**0.287**	0.224		**0.224**	0.063
JPVL	0.001	2.800	**2.801**	2.799		**2.799**	0.001	0.001	2.800	**2.801**	2.800		**2.800**	0.001
RCCPL	0.000	0.103	**0.103**	0.103		**0.103**	0.001	0.001	0.182	**0.183**	0.182		**0.182**	0.001
TUML	0.002	0.300	**0.302**	0.302		**0.302**	0.000	0.000	0.286	**0.286**	0.284		**0.284**	0.002
OCL	0.000	0.161	**0.161**	0.161		**0.161**	0.000	0.000	0.115	**0.115**	0.115		**0.115**	0.000
AMBUJA	0.000	0.100	**0.100**	0.100		**0.100**	0.000	0.000	0.400	**0.400**	0.386		**0.386**	0.014
PRIVATE	**1.005**	**32.976**	**33.981**	**33.118**	**0.000**	**33.118**	**0.862**	**0.862**	**32.650**	**33.512**	**32.650**	**0.000**	**32.650**	**0.864**
INDIA	**62.036**	**728.718**	**790.754**	**732.794**	**0.220**	**733.014**	**57.640**	**57.640**	**730.874**	**788.514**	**707.176**	**0.211**	**707.387**	**81.432**

Table 4.28: COMPANYWISE AND SECTORWISE OFF-TAKE OF LIGNITE IN LAST FIVE YEARS
(Quantity in Million Tonnes)

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	2015-16	3.063										**3.063**
GMDCL	2015-16	3.125	0.010	0.103	0.003	1.723	1.009	0.384	0.384	0.227		**6.968**
GHCL	2015-16	0.104										**0.104**
NLCL	2015-16	23.594	0.002	0.035		0.001	0.011	0.043	0.008		0.023	**23.717**
RSMML	2015-16	0.282		0.087		0.004					0.599	**0.972**
VSLPPL	2015-16	0.824										**0.824**
BLMCL	2015-16	6.563										**6.563**
TOTAL	**2015-16**	**37.555**	**0.012**	**0.225**	**0.003**	**1.728**	**1.020**	**0.427**	**0.392**	**0.227**	**0.622**	**42.211**
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	0.000		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**

TABLE 4.29 : CAPTIVE BLOCK WISE DESPATCH OF RAW COAL DURING LAST THREE YEARS

(Quantity in Million Tonnes)

Block	Company	State	2017-18			2018-19			2019-20		
			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	Chhittsgarh		4.053	**4.053**		3.200	**3.200**		2.888	**2.888**
SECL(GP-IV/1)	SECL	Chhittsgarh		1.301	**1.301**		1.839	**1.839**		0.821	**0.821**
Parsa East & Kanta Basan	RRVUNL	Chhittsgarh		8.329	**8.329**		15.000	**15.000**		15.000	**15.000**
Pakri Barwadih	NTPC	Jharkhand		2.583	**2.583**		6.797	**6.797**		9.462	**9.462**
Dulanga	NTPC	Jharkhand			**0.000**		0.175	**0.175**		1.234	**1.234**
Tasra	SAIL/IISCO	Jharkhand			**0.000**			**0.000**			**0.000**
Barjora	WBPDCL	West Bengal			**0.000**		0.337	**0.337**		0.563	**0.563**
Barjora_North	WBPDCL	West Bengal			**0.000**					0.525	**0.525**
Pachhawara North	WBPDCL	West Bengal			**0.000**					0.839	**0.839**
Tadicherla	TSPGCL	Telangana					0.757	**0.757**		1.657	**1.657**
GP Sector III	CSPGCL	Chhittsgarh								0.018	**0.018**
Manoharpur	OCPL	Odisha								0.515	**0.515**
Total Public			**0.000**	**16.266**	**16.266**	**0.000**	**28.105**	**28.105**	**0.000**	**33.522**	**33.522**
Amelia North	JPVL	Madhya Pradesh		2.800	**2.800**		2.799	**2.799**		2.800	**2.800**
Belgaon	SIL	Maharashtra		0.262	**0.262**		0.270	**0.270**		0.224	**0.224**
Chotia II	BALCO	Chhittsgarh		0.000	**0.000**		0.563	**0.563**		0.874	**0.874**
Gare Palma IV/4	HIL	Chhittsgarh		0.934	**0.934**		1.000	**1.000**		0.530	**0.530**
Gare Palma IV/5	HIL	Chhittsgarh		0.745	**0.745**		0.552	**0.552**		0.135	**0.135**
Kathautia	HIL	Chhittsgarh		0.568	**0.568**		0.758	**0.758**		0.244	**0.244**
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		17.961	**17.961**		18.001	**18.001**		18.783	**18.783**
Sarshatali	CESC	West Bengal		1.764	**1.764**		1.948	**1.948**		1.887	**1.887**
Talabira-I	GMR	Odisha		0.276	**0.276**		0.000	**0.000**		0.000	**0.000**
Sial Ghogri	RCCPL	Madhya Pradesh		0.072	**0.072**		0.103	**0.103**		0.182	**0.182**
Marki Mangli I	TUML	Maharashtra		0.173	**0.173**		0.302	**0.302**		0.284	**0.284**
Ardhagram	OCL	Odisha					0.161	**0.161**		0.115	**0.115**
Gare Palma IV/8	AMBUJA	Chhittsgarh					0.100	**0.100**		0.386	**0.386**
Total Private			**0.000**	**25.555**	**25.555**	**0.000**	**26.557**	**26.557**	**0.000**	**26.444**	**26.444**
Grand Total			**0.000**	**41.821**	**41.821**	**0.000**	**54.662**	**54.662**	**0.000**	**59.966**	**59.966**

TABLE 4.30 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF *RAW COAL & LIGNITE* DURING 2018-19 & 2019-20

(Quantity in Million Tonnes)

Availability (within India)	2018-19	2019-20
(A) Production		
Coking Coal	41.132	52.936
Non-coking Coal	687.586	677.938
Lignite	44.283	42.096
Total	**773.001**	**772.970**
(B) Change of Vendible Stock (Closing - 0pening)		
Coking Coal	-1.917	2.287
Non-coking Coal	-2.479	21.186
Lignite	-1.538	0.177
Total Change (Cl - Op)	**-5.934**	**23.650**
(C) Import		
Coking Coal	51.838	51.833
Non-coking Coal	183.511	196.704
Total Raw Coal	**235.349**	**248.537**
(D) Export	**1.306**	**1.030**
(E) Total Availability	**1012.977**	**996.827**

Supply (within India)	2018-19				2019-20			
Sectors	Raw Coal	Lignite	Imported Coal	Total	Raw Coal	Lignite	Imported Coal	Total
Steel & Washery	12.813	0.094	51.838	**64.745**	11.908	0.021	51.833	**63.762**
Power (Utility+Captive)	621.644	37.728	N.A.	**659.372**	626.149	36.332	N.A.	**662.481**
Cement	8.816	1.803	N.A.	**10.619**	8.569	0.996	N.A.	**9.565**
Textile	0.204	2.614		**2.818**	0.101	0.162		**0.263**
Sponge Iron	12.092	0.048		**12.140**	10.529	0.014		**10.543**
Fertilizer & Chem.	1.789	0.001		**1.790**	1.764	0.002		**1.766**
Paper	1.637	0.602		**2.239**	1.326	0.546		**1.872**
Brick	0.093	0.634		**0.727**	0.026	0.465		**0.491**
Others	73.706	2.287	183.511	**259.504**	46.804	3.729	196.704	**247.237**
Colliery Consmn.	0.220			**0.220**	0.211			**0.211**
Total Off-take	**733.014**	**45.811**	**235.349**	**1014.174**	**707.387**	**42.267**	**248.537**	**998.191**
Statistical Difference				**-1.196**				**-1.364**
Total Supply				**1012.977**				**996.827**

Note: It is assumed that there is no change in industrial stock. Washed coal has been converted into raw coal equivalent. In Coal Directory closing balance of a year is taken as openibg balance of next year. However it is noted that there is a significant change between closing stock of last year and opening stock of this year. This resulted an increase (in absolute terms) in Statistical difference.

Section V

5.2 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 31-03-2020, the Pit-head closing stock of coal was 81.432 MT and lignite 5.495 MT. Statement 5.1 shows details of pit-head closing stock of raw coal and lignite for 2018-19 and 2019-20. It can be seen that in 2019-20, closing stock of coal hugely increased over 2018-19 by 41.28% whereas for lignite it decreased by 3.12%.

Statement 5.1 Pit-Head Closing Stock (MT) of Coal and Lignite in India at the end of 2018-19 and 2019-20.

Types of Fossil Fuel	Year	
	2018-19	2019-20
Coal		
Metallurgical	3.482	3.246
Non-metallurgical	0.653	3.176
Total Coking Coal	4.135	6.422
Non-coking	53.505	75.010
Total Raw Coal	57.640	81.432
Lignite	5.672	5.495

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

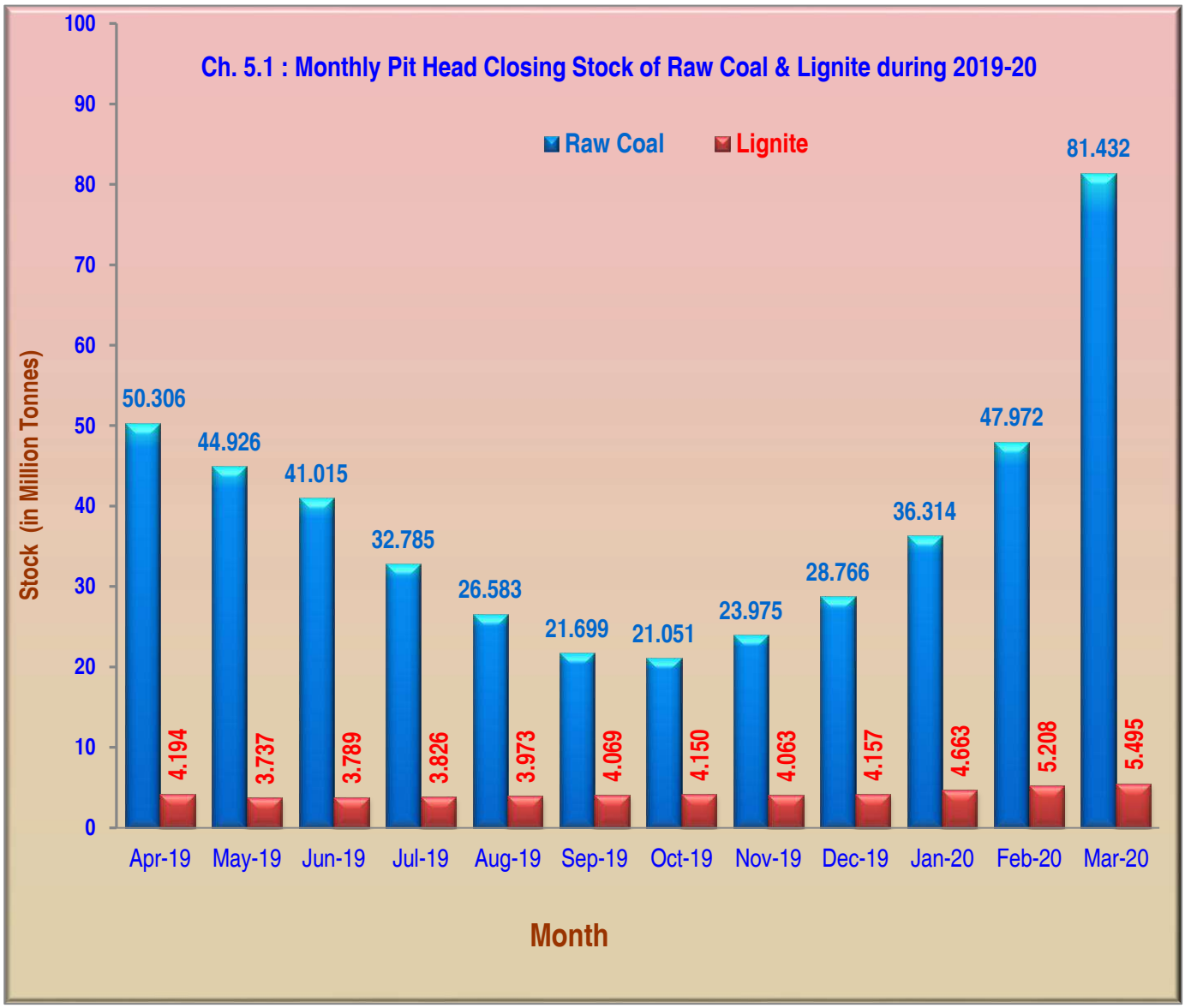
Statement 5.2 Pit-Head Closing Stock (MT) of Coal and Lignite in India in the last ten years.

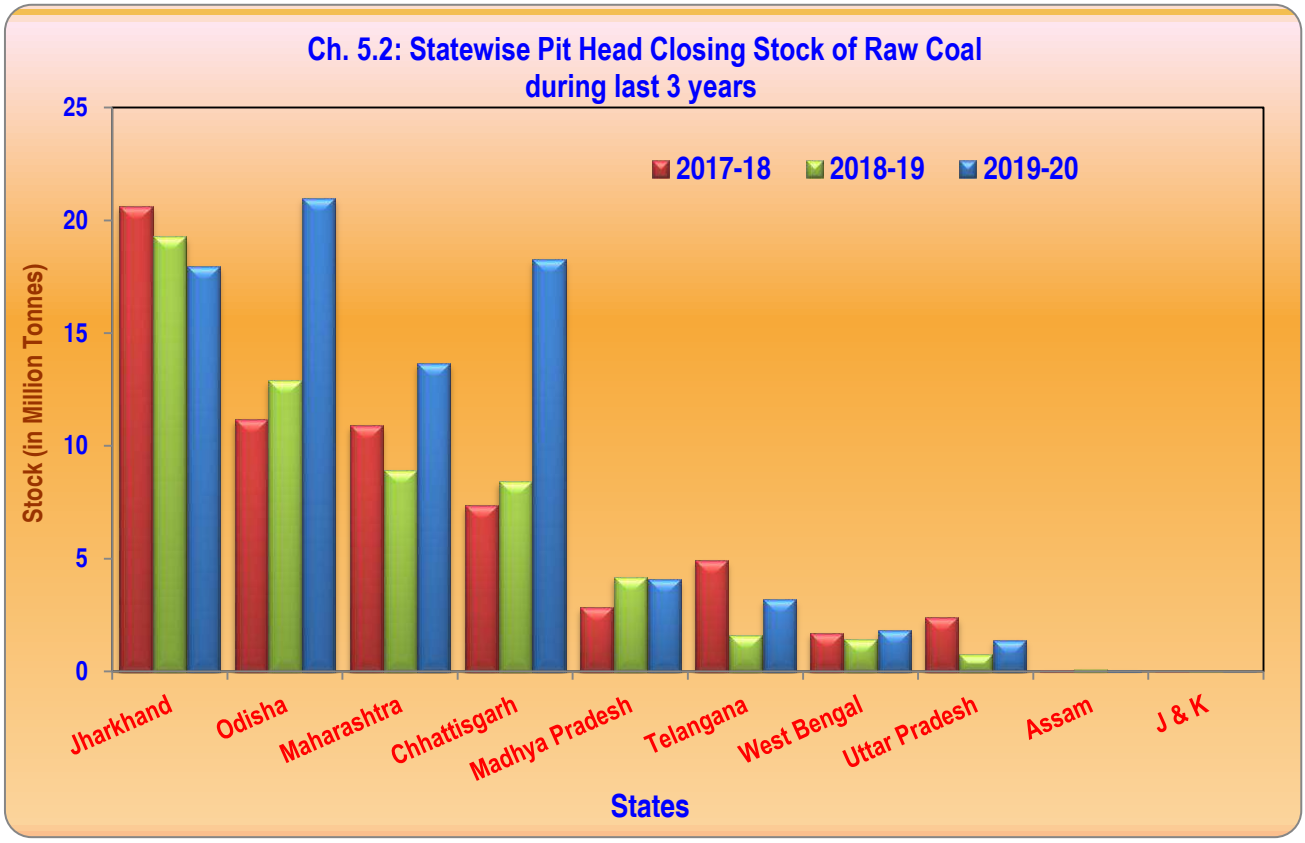
Year	Pit Head Closing Stock (MT)	
	Raw Coal	Lignite
2010-11	72.192	0.610
2011-12	74.040	1.051
2012-13	63.049	1.493
2013-14	55.514	1.860
2014-15	59.389	3.176
2015-16	65.361	4.809
2016-17	76.889	6.883
2017-18	62.036	7.210
2018-19	57.640	5.672
2019-20	81.432	5.495

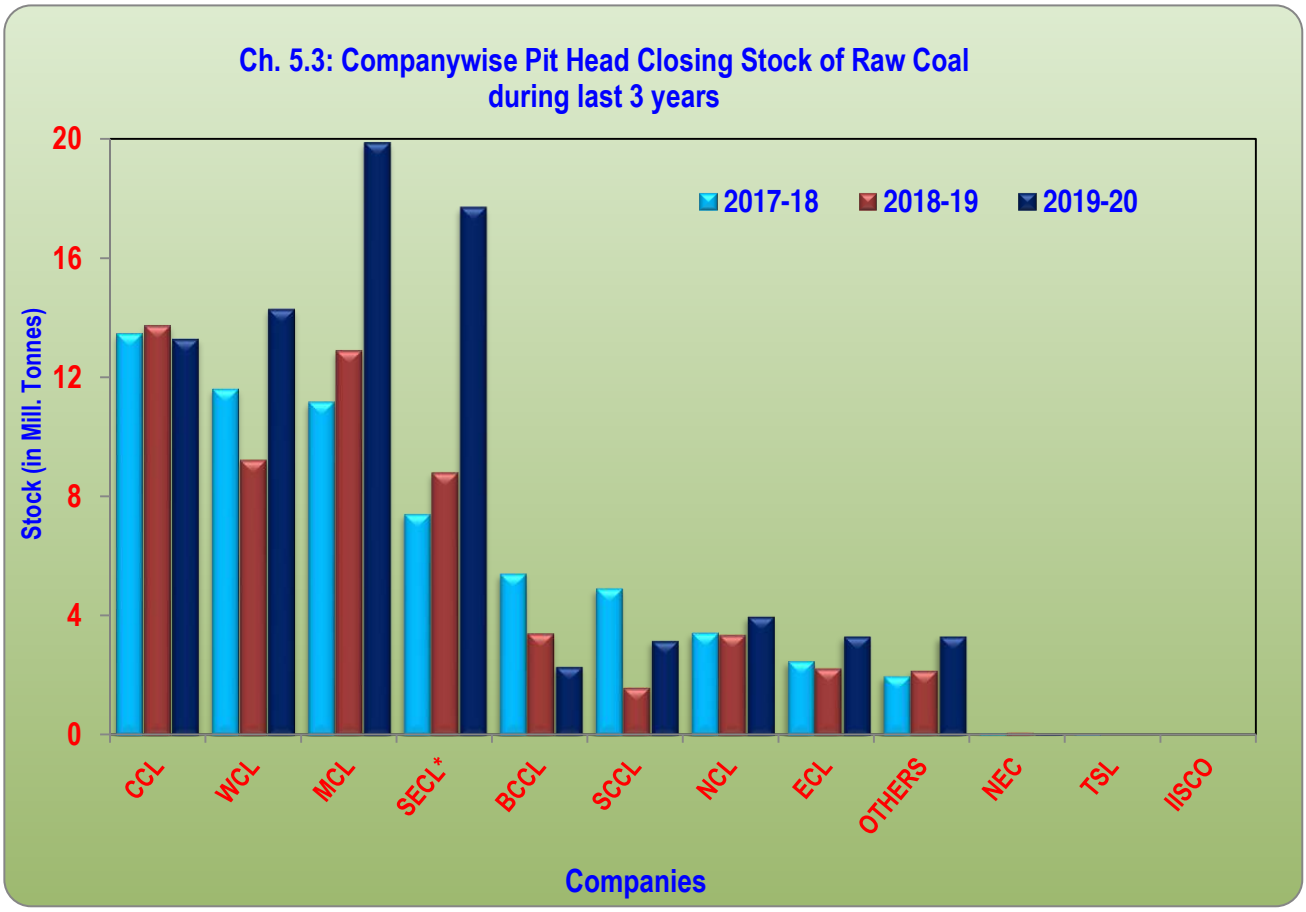
It can be seen that in the case of coal, the pit-head closing stock started decreasing after 2011-12 till 2013-14. Then from 2014-15, it had an increasing trend till 2016-17. But in 2017-18 & 2018-19, it fell sharply and again rising in 2019-20. In case of lignite, it had increasing trend since 2010-11 till 2017-18 and then after it has been falling.

Statement 5.6 shows pit-head closing stock of coal by companies for 2018-19 and 2019-20.

Statement 5.6: Company wise Pit-Head Closing Stock (MT) of Coal and Lignite in India at the end of 2018-19 and 2019-20		
Company	Year	
	2018-19	2019-20
		Coal
ECL	2.249	3.336
BCCL	3.416	2.314
CCL	13.745	13.302
NCL	3.370	3.999
WCL	9.240	14.296
SECL	9.265	17.875
MCL	12.906	19.879
NEC	0.100	0.054
CIL	54.291	75.055
SCCL	1.609	3.188
Other Public	0.878	2.325
Total Public	56.776	80.568
Private	0.862	0.864
Total	**57.640**	**81.432**
Lignite		
NLC	5.319	5.059
GMDCL	0.000	0.000
GIPCL	0.000	0.000
GHCL	0.025	0.028
RSMML	0.000	0.000
VSLPL	0.050	0.020
BLMCL	0.278	0.388
Total	**5.672**	**5.495**


Ch. 5.1 : Monthly Pit Head Closing Stock of Raw Coal & Lignite during 2019-20
Raw Coal
Lignite
Stock (in Million Tonnes)
Month
100
90
80
70
60
50
40
30
20
10
0
Apr-19
May-19
Jun-19
Jul-19
Aug-19
Sep-19
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
50.306
44.926
41.015
32.785
26.583
21.699
21.051
23.975
28.766
36.314
47.972
81.432
4.194
3.737
3.789
3.826
3.973
4.069
4.150
4.063
4.157
4.663
5.208
5.495





*** Excluding 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

(Quantity in Million Tonnes)

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)
2010-11	72.192	99.16	11.30	0.610	0.84	7.96	72.802	11.27
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

TABLE-5.2: TRENDS OF PIT-HEAD CLOSING STOCK OF DIFFERENT TYPES OF RAW COAL IN LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal							
	Pit-head Closing Stock	Share in total solid coking	Change over previous year (%)	Pit-head Closing Stock	Share in total solid coking	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)**
2010-11	1.715	13.4	-11.0	11.038	86.6	18.2	12.753	17.7	13.2	59.439	82.3	10.9	**72.192**	**11.3**
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**

TABLE-5.3 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2019-20

(Quantity in Million Tonnes)

Month	Raw Coal	Lignite	Washed Coal (Coking)	Washed Coal (Non-Coking)	Middlings (Coking)	Middlings (Non-Coking)	Hard Coke (Only Coking)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Apr-19	50.306	4.194	0.140	0.319	0.482	0	0.058
May-19	44.926	3.737	0.136	0.115	0.481	0	0.058
Jun-19	41.015	3.789	0.155	0.100	0.513	0	0.058
1st Quarter	**41.015**	**3.789**	**0.155**	**0.100**	**0.513**	**0.000**	**0.058**
Jul-19	32.785	3.826	0.150	0.051	0.512	0	0.058
Aug-19	26.583	3.973	0.141	0.016	0.507	0	0.058
Sep-19	21.699	4.069	0.145	0.037	0.459	0	0.058
2nd Quarter	**21.699**	**4.069**	**0.145**	**0.037**	**0.459**	**0.000**	**0.058**
Oct-19	21.051	4.150	0.114	0.083	0.443	0	0.058
Nov-19	23.975	4.063	0.150	0.295	0.441	0	0.058
Dec-19	28.766	4.157	0.117	0.422	0.426	0	0.058
3rd Quarter	**28.766**	**4.157**	**0.117**	**0.422**	**0.426**	**0.000**	**0.058**
Jan-20	36.314	4.663	0.116	0.239	0.397	0	0.058
Feb-20	47.972	5.208	0.123	0.454	0.393	0	0.058
Mar-20	81.432	5.495	0.130	0.657	0.431	0	0.058
4th Quarter	**81.432**	**5.495**	**0.130**	**0.657**	**0.431**	**0.000**	**0.058**
Total 2019-20	**81.432**	**5.495**	**0.130**	**0.657**	**0.431**	**0.000**	**0.058**

TABLE-5.4 : SHARE OF RAW COAL PIT-HEAD CLOSING STOCK BY STATES IN LAST TEN YEARS

(Quantity in Million Tonnes)

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)
2010-11	0.104	0.14	112.24	0.293	0.41	-0.34	9.731	13.48	38.72
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

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)
2010-11	0.004	0.01	-50.00	27.128	37.58	8.80	4.391	6.08	75.78
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

Year	State: Maharashtra			State: Odisha			State:Telangana		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2010-11	3.793	5.25	40.43	21.611	29.94	-7.68	2.413	3.34	97.14
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

No stock is assumed to be in Meghalaya, hence ignored.

Contd.....

TABLE-5.4 : SHARE OF RAW COAL PIT-HEAD CLOSING STOCK BY STATES IN LAST TEN YEARS

(Quantity in Million Tonnes)

Year	State: Uttar Pradesh			State: West Bengal			ALL INDIA	
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Growth (%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)
2010-11	0.798	1.11	20.18	1.926	2.67	-6.87	**72.192**	**11.30**
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**

TABLE-5.5 : SHARE OF LIGNITE PIT-HEAD CLOSING STOCK BY STATES IN LAST TEN YEARS

(Quantity in Million Tonnes)

Year	State: Tamil Nadu			State: Gujrat			State: Rajasthan		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2010-11	0.471	77.21	14.88	0.139	22.79	-10.32			
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

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
2010-11	**0.610**	**7.96**
2011-12	**1.051**	**72.30**
2012-13	**1.493**	**42.06**
2013-14	**1.860**	**24.58**
2014-15	**3.878**	**108.49**
2015-16	**4.809**	**24.01**
2016-17	**6.883**	**43.13**
2017-18	**7.210**	**4.75**
2018-19	**5.672**	**-21.33**
2019-20	**5.495**	**-3.12**

TABLE-5.6 : TRENDS OF PIT-HEAD CLOSING STOCK OF RAW COAL AND LIGNITE BY COMPANIES IN LAST THREE YEARS

(Quantity in Million Tonnes)

Company	2017-18		2018-19		2019-20	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COAL :						
ECL	2.496	4.02	2.249	3.90	3.336	4.10
BCCL	5.416	8.73	3.416	5.93	2.314	2.84
CCL	13.469	21.71	13.745	23.85	13.302	16.34
NCL	3.441	5.55	3.370	5.85	3.999	4.91
WCL	11.614	18.72	9.240	16.03	14.296	17.56
SECL	7.414	11.95	8.819	15.30	17.718	21.76
SECL(GP-IV/2&3)	0.317	0.51	0.387	0.67	0.157	0.19
SECL(GP-IV/1)	0.216	0.35	0.059	0.10	0.000	0.00
MCL	11.178	18.02	12.906	22.39	19.879	24.41
NEC	0.069	0.11	0.100	0.17	0.054	0.07
CIL	**55.630**	**89.67**	**54.291**	**94.19**	**75.055**	**92.17**
SCCL	4.921	7.93	1.609	2.79	3.188	3.91
JKML	0.005	0.01	0.003	0.01	0.007	0.01
JSMDCL	0.000	0.00	0.000	0.00	0.004	0.00
DVC	0.060	0.10	0.060	0.10	0.060	0.07
IISCO	0.007	0.01	0.004	0.01	0.004	0.00
SAIL	0.185	0.30	0.185	0.32	0.000	0.00
RRVUNL	0.000	0.00	0.000	0.00	0.000	0.00
NTPC	0.223	0.36	0.561	0.97	1.016	1.25
WBPDCL			0.063	0.11	0.250	0.31
CSPGCL					0.492	0.60
TSPGCL			0.002	0.00	0.004	0.00
OCPL					0.488	0.60
PUBLIC	**61.031**	**98.38**	**56.778**	**98.50**	**80.568**	**98.94**
TSL	0.024	0.04	0.009	0.02	0.012	0.01
Meghalaya	0.000	0.00	0.000	0.00	0.000	0.00
HIL	0.457	0.74	0.319	0.55	0.141	0.17
SIL	0.017	0.03	0.017	0.03	0.063	0.08
SPL	0.264	0.43	0.264	0.46	0.181	0.22
GMR	0.000	0.00	0.000	0.00	0.000	0.00
BALCO	0.000	0.00	0.103	0.18	0.230	0.28
CESC	0.240	0.39	0.148	0.26	0.219	0.27
JPVL	0.001	0.00	0.001	0.00	0.001	0.00
RCCPL	0.000	0.00	0.001	0.00	0.001	0.00
TUML	0.002	0.00	0.000	0.00	0.002	0.00
OCL			0.000	0.00	0.000	0.00
AMBUJA			0.000	0.00	0.014	0.02
PRIVATE	**1.005**	**1.62**	**0.862**	**1.50**	**0.864**	**1.06**
ALL INDIA	**62.036**	**100.00**	**57.640**	**100.00**	**81.432**	**100.00**
LIGNITE :						
NLCL	6.784	94.09	5.319	93.78	5.059	92.07
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	0.014	0.19	0.025	0.44	0.028	0.51
RSMML	0.000	0.00	0.000	0.00	0.000	0.00
VSLPPL	0.062	0.86	0.050	0.88	0.020	0.36
BLMCL	0.350	4.85	0.278	4.90	0.388	7.06
ALL INDIA	**7.210**	**100.00**	**5.672**	**100.00**	**5.495**	**100.00**
COAL & LIGNITE	**69.246**		**63.312**		**86.927**	

TABLE-5.7 : STATEWISE & COMPANYWISE PIT-HEAD CLOSING STOCK OF RAW COAL BY TYPE IN LAST THREE YEARS

(Quantity in Million Tonnes)

STATES	COAL COMPANY	2017-2018			2018-2019			2019-2020		
		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**		**0.069**	**0.069**		**0.100**	**0.100**		**0.054**	**0.054**
Chhattisgarh	SECL	0.009	6.592	**6.601**	0.009	7.818	**7.827**	0.087	17.035	**17.122**
Chhattisgarh	SECL(GP-IV/2&3)		0.317	**0.317**		0.387	**0.387**		0.157	**0.157**
Chhattisgarh	SECL(GP-IV/1)		0.216	**0.216**		0.059	**0.059**		0.000	**0.000**
Chhattisgarh	RRVUNL		0.000	**0.000**		0.000	**0.000**		0.000	**0.000**
Chhattisgarh	NTPC			**0.000**			**0.000**		0.190	**0.190**
Chhattisgarh	CSPGCL			**0.000**			**0.000**		0.492	**0.492**
Chhattisgarh	HIL		0.225	**0.225**		0.048	**0.048**		0.059	**0.059**
Chhattisgarh	BALCO		0.000	**0.000**		0.103	**0.103**		0.230	**0.230**
Chhattisgarh	AMBUJA			**0.000**		0.000	**0.000**		0.014	**0.014**
Chhattisgarh	**TOTAL**	**0.009**	**7.350**	**7.359**	**0.009**	**8.415**	**8.424**	**0.087**	**18.177**	**18.264**
Jammu & Kashmir	**JKML**		**0.005**	**0.005**		**0.003**	**0.003**		**0.007**	**0.007**
Jharkhand	ECL	0.002	1.321	**1.323**	0.009	1.404	**1.413**	0.008	2.060	**2.068**
Jharkhand	BCCL	3.500	1.629	**5.129**	2.135	0.907	**3.042**	2.197	0.040	**2.237**
Jharkhand	CCL	2.352	11.117	**13.469**	1.575	12.170	**13.745**	4.052	9.250	**13.302**
Jharkhand	JSMDCL			**0.000**			**0.000**		0.004	**0.004**
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**	0.185		**0.185**	0.000		**0.000**
Jharkhand	NTPC		0.223	**0.223**		0.561	**0.561**		0.194	**0.194**
Jharkhand	TSL	0.024		**0.024**	0.009		**0.009**	0.012		**0.012**
Jharkhand	HIL		0.232	**0.232**		0.271	**0.271**		0.082	**0.082**
Jharkhand	**TOTAL**	**6.123**	**14.522**	**20.645**	**3.973**	**15.313**	**19.286**	**6.329**	**11.630**	**17.959**
Madhya Pradesh	NCL		1.052	**1.052**		2.611	**2.611**		2.611	**2.611**
Madhya Pradesh	WCL	0.010	0.706	**0.716**	0.002	0.316	**0.318**	0.003	0.685	**0.688**
Madhya Pradesh	SECL		0.813	**0.813**		0.992	**0.992**		0.596	**0.596**
Madhya Pradesh	SPL		0.264	**0.264**		0.264	**0.264**		0.181	**0.181**
Madhya Pradesh	JPVL		0.001	**0.001**		0.001	**0.001**		0.001	**0.001**
Madhya Pradesh	RCCPL		0.000	**0.000**		0.001	**0.001**		0.001	**0.001**
Madhya Pradesh	**TOTAL**	**0.010**	**2.836**	**2.846**	**0.002**	**4.185**	**4.187**	**0.003**	**4.075**	**4.078**
Maharashtra	WCL		10.898	**10.898**		8.922	**8.922**		13.608	**13.608**
Maharashtra	SIL		0.017	**0.017**		0.017	**0.017**		0.063	**0.063**
Maharashtra	TUML		0.002	**0.002**		0.000	**0.000**		0.002	**0.002**
Maharashtra	**TOTAL**	**0.000**	**10.917**	**10.917**	**0.000**	**8.939**	**8.939**	**0.000**	**13.673**	**13.673**
Meghalaya	**PRIVATE**			**0.000**			**0.000**			**0.000**
Odisha	MCL		11.178	**11.178**		12.906	**12.906**		19.879	**19.879**
Odisha	OCPL			**0.000**			**0.000**		0.488	**0.488**
Odisha	NTPC			**0.000**			**0.000**		0.632	**0.632**
Odisha	GMR		0.000	**0.000**		0.000	**0.000**		0.000	**0.000**
Odisha	OCL			**0.000**		0.000	**0.000**		0.000	**0.000**
Odisha	**TOTAL**	**0.000**	**11.178**	**11.178**	**0.000**	**12.906**	**12.906**	**0.000**	**20.999**	**20.999**
Telangana	SCCL		4.921	**4.921**		1.609	**1.609**		3.188	**3.188**
Telangana	TSPGCL			**0.000**		0.002	**0.002**		0.004	**0.004**
Telangana	**TOTAL**	**0.000**	**4.921**	**4.921**	**0.000**	**1.611**	**1.611**	**0.000**	**3.192**	**3.192**
Uttar Pradesh	**NCL**		**2.389**	**2.389**		**0.759**	**0.759**		**1.388**	**1.388**
West Bengal	ECL	0.005	1.168	**1.173**	0.001	0.835	**0.836**	0.002	1.266	**1.268**
West Bengal	BCCL	0.050	0.237	**0.287**	0.150	0.224	**0.374**	0.001	0.076	**0.077**
West Bengal	IISCO		0.007	**0.007**		0.004	**0.004**		0.004	**0.004**
West Bengal	WBPDCL			**0.000**		0.063	**0.063**		0.250	**0.250**
West Bengal	CESC		0.240	**0.240**		0.148	**0.148**		0.219	**0.219**
West Bengal	**TOTAL**	**0.055**	**1.652**	**1.707**	**0.151**	**1.274**	**1.425**	**0.003**	**1.815**	**1.818**
Total Public		**6.173**	**54.858**	**61.031**	**4.126**	**52.652**	**56.778**	**6.410**	**74.158**	**80.568**
Total Private		**0.024**	**0.981**	**1.005**	**0.009**	**0.853**	**0.862**	**0.012**	**0.852**	**0.864**
All India		**6.197**	**55.839**	**62.036**	**4.135**	**53.505**	**57.64**	**6.422**	**75.010**	**81.432**

TABLE - 5.8 : CAPTIVE BLOCK WISE CLOSING STOCK OF RAW COAL DURING LAST THREE YEARS

(Quantity in Million Tonnes)

Block	Company	State	2017-18			2018-19			2019-20		
			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		0.317	**0.317**		0.387	**0.387**		0.157	**0.157**
Gare Palma IV/1	SECL	Chhattisgarh		0.216	**0.216**		0.059	**0.059**		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		0.223	**0.223**		0.561	**0.561**		0.194	**0.194**
Tasra	SAIL/IISCO	Jharkhand		0.185	**0.185**		0.185	**0.185**		0.000	**0.000**
Barjora	WBPDCL	West Bengal					0.063	**0.063**		0.000	**0.000**
Tadicherla	TSPGCL	Telangana					0.002	**0.002**		0.004	**0.004**
Manoharpur	OCPL	Odisha					0.002	**0.002**		0.488	**0.488**
Total Public			**0.000**	**0.941**	**0.941**	**0.000**	**1.259**	**1.259**	**0.000**	**0.843**	**0.843**
Chotia	BALCO	Chhattisgarh		0.000	**0.000**		0.103	**0.103**		0.230	**0.230**
Sarshatali	CESC	West Bengal		0.240	**0.240**		0.148	**0.148**		0.219	**0.219**
Talabira I	GMR	Odisha		0.000	**0.000**		0.000	**0.000**		0.000	**0.000**
Gare Palma IV/4	HIL	Chhattisgarh		0.201	**0.201**		0.039	**0.039**		0.058	**0.058**
Gare Palma IV/5	HIL	Chhattisgarh		0.024	**0.024**		0.009	**0.009**		0.001	**0.001**
Kathautia	HIL	Jharkhand		0.232	**0.232**		0.271	**0.271**		0.082	**0.082**
Amelia North	JPVL	Madhya Pradesh		0.001	**0.001**		0.001	**0.001**		0.001	**0.001**
Sial Ghogri	RCCPL	Madhya Pradesh		0.000	**0.000**		0.001	**0.001**		0.001	**0.001**
Belgaon	SIL	Maharashtra		0.017	**0.017**		0.017	**0.017**		0.063	**0.063**
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		0.264	**0.264**		0.264	**0.264**		0.181	**0.181**
Marki Mangli I	TUML	Maharashtra		0.002	**0.002**		0.000	**0.000**		0.002	**0.002**
Ardhagram	OCL	Odisha						**0.000**		0.000	**0.000**
Gare Palma IV/8	AMBUJA	Chhattisgarh						**0.000**		0.014	**0.014**
Total Private			**0.000**	**0.981**	**0.981**	**0.000**	**0.853**	**0.853**	**0.000**	**0.852**	**0.852**
Grand Total			**0.000**	**1.922**	**1.922**	**0.000**	**2.112**	**2.112**	**0.000**	**1.695**	**1.695**

Section VI

Pit-head Value, Price and Duty

6.1 Pit-head Value

6.1.1 Coal production in India (including lignite) in the year 2019-20 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 provides state wise production and value for coal and lignite for the year 2019-20.

Statement 6.1: State-wise Production (MT) and Value (Million Rs.) of Coal and Lignite for the year 2019-20

Coal	Production	Value
Assam	0.517	1736.2
Chhattisgarh	157.745	139234.0
Jammu & Kashmir	0.014	25.8
Jharkhand	131.763	272123.7
Maharashtra	54.746	93946.4
Madhya Pradesh	125.726	195145.4
Odisha	143.016	146624.3
Telangana	65.703	151074.6
Uttar Pradesh	18.030	25063.5
West Bengal	33.614	85069.8
ALL INDIA	730.874	1110043.7
Lignite		
Gujarat	10.357	9142.9
Tamilnadu	23.516	43788.3
Rajasthan	8.223	13742.2
ALL INDIA	42.096	65113.7

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 by sector for captive and non-captive separately. The pit head (ROM) price of coking coal of Coal India Limited for the last few years and 2019-20 is given in Table 6.5 and 6.6.

The pit head (ROM) price of non-coking coal of CIL (after adoption of GCV band price since 2012) has been given in Table 6.8, 6.9, 6.10 and 6.11. Price of Singareni Collieries Company Limited is given in Table 6.12, 6.13 and 6.14.

TABLE 6.1: STATE WISE PRODUCTION OF COAL AND LIGNITE vis-à-vis VALUE DURING LAST FIVE YEARS

(Quantity in Million Tonnes and Value in Million Rupees)

STATES	2015-16		2016-17		2017-18		2018-19		2019-20	
	Production	Value	Production	Value	Production	Value	Production	Value	Production	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
COAL :										
Assam	0.487	1711.3	0.600	2231.9	0.781	4312.4	0.784	4312.4	0.517	1736.2
Chhattisgarh	130.605	147436.8	138.525	104427.5	142.546	114808.0	161.893	134351.9	157.745	139234.0
Jammu & Kashmir	0.013	27.6	0.010	21.3	0.014	31.1	0.013	25.8	0.014	25.8
Jharkhand	121.067	187369.9	126.435	200571.5	123.297	254292.4	134.666	271051.4	131.763	272123.7
Maharashtra	38.351	65340.3	40.559	64267.7	42.219	70892.8	49.818	80555.6	54.746	93946.4
Meghalaya	3.712	18634.2	2.308	8585.4	1.529	5687.7				
Madhya Pradesh	107.714	132254.9	105.013	148372.8	112.127	174484.1	118.661	184713.4	125.726	195145.4
Odisha	138.461	121010.1	139.359	103882.9	143.328	130037.0	144.312	119110.9	143.016	146624.3
Telangana	60.380	122753.5	61.336	110294.2	62.010	119131.3	65.160	174938.4	65.703	151074.6
Uttar Pradesh	12.689	14028.1	16.056	19731.1	18.309	23827.2	20.275	26852.2	18.030	25063.5
West Bengal	25.751	73255.4	27.667	72246.3	29.240	78220.9	33.136	105237.4	33.614	85069.8
ALL INDIA	**639.230**	**883822.1**	**657.868**	**834632.6**	**675.400**	**975724.7**	**728.718**	**1101149.5**	**730.874**	**1110043.7**
LIGNITE :										
Gujarat	10.123	14723.5	10.546	13628.1	13.781	17808.6	12.565	11092.0	10.357	9142.9
Tamilnadu	24.227	49168.0	26.204	51991.8	23.569	47666.8	23.041	42903.8	23.516	43788.3
Rajasthan	9.492	11103.3	8.480	9815.1	9.294	13941.4	8.676	14499.2	8.223	13742.2
ALL INDIA	**43.842**	**74994.8**	**45.230**	**75435.0**	**46.644**	**79416.7**	**44.282**	**68495.0**	**42.096**	**65113.7**

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 2019-20

(Quantity in Million Tonnes 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	Prdn.	0.517	136.550	0.014	116.077	54.190	104.044	140.358	64.044	18.030	29.544	**663.368**
		Value	1736.2	112314.0	25.8	252503.4	92323.8	173135.0	143848.3	149002.4	25063.5	81774.5	**1031726.9**
	Private	Prdn.				6.210							**6.210**
		Value				8580.55							**8580.55**
	TOTAL	**Prdn.**	**0.517**	**136.550**	**0.014**	**122.287**	**54.190**	**104.044**	**140.358**	**64.044**	**18.030**	**29.544**	**669.578**
		Value	**1736.2**	**112314.0**	**25.8**	**261084.0**	**92323.8**	**173135.0**	**143848.3**	**149002.4**	**25063.5**	**81774.5**	**1040307.5**
CAPTIVE	Public	Prdn.		19.121		9.421			2.543	1.659		2.112	**34.856**
		Value		21629.8		10739.9			2673.7	2072.2		1642.2	**38757.9**
	Private	Prdn.		2.074		0.055	0.556	21.682	0.115	0.000		1.958	**26.440**
		Value		5290.1		299.8	1622.6	22010.4	102.3	0.0		1653.2	**30978.3**
	TOTAL	**Prdn.**	**0.000**	**21.195**	**0.000**	**9.476**	**0.556**	**21.682**	**2.658**	**1.659**	**0.000**	**4.070**	**61.296**
		Value	**0.0**	**26919.9**	**0.0**	**11039.7**	**1622.6**	**22010.4**	**2776.0**	**2072.2**	**0.0**	**3295.4**	**69736.2**
TOTAL	**Public**	**Prdn.**	**0.517**	**155.671**	**0.014**	**125.498**	**54.190**	**104.044**	**142.901**	**65.703**	**18.030**	**31.656**	**698.224**
		Value	**1736.2**	**133943.9**	**25.8**	**263243.3**	**92323.8**	**173135.0**	**146522.0**	**151074.6**	**25063.5**	**83416.7**	**1070484.8**
	Private	**Prdn.**	**0.000**	**2.074**	**0.000**	**6.265**	**0.556**	**21.682**	**0.115**	**0.000**	**0.000**	**1.958**	**32.650**
		Value	**0.0**	**5290.1**	**0.0**	**8880.4**	**1622.6**	**22010.4**	**102.3**	**0.0**	**0.0**	**1653.2**	**39558.9**
	Total	**Prdn.**	**0.517**	**157.745**	**0.014**	**131.763**	**54.746**	**125.726**	**143.016**	**65.703**	**18.030**	**33.614**	**730.874**
		Value	**1736.2**	**139234.0**	**25.8**	**272123.7**	**93946.4**	**195145.4**	**146624.3**	**151074.6**	**25063.5**	**85069.8**	**1110043.7**

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 : PITHEAD (RUN OF MINE) PRICE [Price- Rs./ Tonne] OF NON-COKING COAL PRIOR TO INTRODUCTION OF GCV

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

COMPANIES	Period	Grade of Coal							
		A	B	C	D	E	F	G	UNG
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL (Specified S P Mines)	15-06-2004 to 12-12-2007	1870	1670	1470	1270	850	650	450	
ECL (Specified S P Mines)	13-12-2007 to 15-10-2009	2060	1840	1620	1400	940	720	500	
ECL (Specified S P Mines)	16-10-2009 to 26-02-2011	2370	2120	1860	1610	1080	830	580	
ECL (Specified S P Mines)	27-02-2011 to 31-12-2011	4100	3990	1860	1610	1080	830	580	
ECL (Specified Raniganj)	01-04-2004 to 12-12-2007	1740	1640	1440	1240	770	570	380	
ECL (Specified Raniganj)	13-12-2007 to 14-10-2009	1910	1800	1580	1360	850	630	420	
ECL (Specified Raniganj)	15-10-2009 to 26-02-2011	2200	2070	1820	1560	980	730	480	
ECL (Specified Raniganj)	27-02-2011 to 31-12-2011	4100	3990	1820	1560	980	730	480	
ECL (Mugma)	15-06-2004 to 12-12-2007	1550	1380	1180	980	780	580	380	
ECL (Mugma)	13-12-2007 to 15-10-2009	1710	1520	1300	1080	860	640	420	
ECL (Mugma)	16-10-2009 to 26-02-2011	1970	1750	1500	1240	990	740	480	
ECL (Mugma) (NLF)	27-02-2011 to 31-12-2011	3690	3590	1500	1240	990	740	480	
ECL(Rajmahal)	15-06-2004 to 12-12-2007				1050 (LF)	810	690	550	
ECL(Rajmahal)	13-12-2007 to 15-10-2009				1160 (LF)	890	760	610	
ECL(Rajmahal)	16-10-2009 to 26-02-2011	x	x	x	1330 (LF)	1020	870	700	
ECL (Rajmahal) (NLF)	27-02-2011 to 31-12-2011	x	x	x	1330 (LF)	1020	870	700	
ECL (Others)	15-06-2004 to 12-12-2007	1350	1220	1020	820	620	480	340	
ECL (Others)	13-12-2007 to 15-10-2009	1490	1340	1120	900	680	530	370	
ECL (Others)	16-10-2009 to 26-02-2011	1710	1540	1290	1040	780	610	430	
ECL (Others) (NLF)	27-02-2011 to 31-12-2011	3690	3590	1290	1040	780	610	430	
BCCL	15-06-2004 to 12-12-2007	1310	1190	990	820	650	520	370	
BCCL	13-12-2007 to 15-10-2009	1440	1310	1090	900	720	570	410	
BCCL	16-10-2009 to 26-02-2011	1660	1510	1250	1040	830	660	470	
BCCL (LF)	27-02-2011 to 31-12-2011	4100	3990	1430	1210	x	x	x	
BCCL (NLF)	27-02-2011 to 31-12-2011	3690	3590	1250	1040	830	660	470	
CCL (Specified 7 units)	15-06-2004 to 12-12-2007	1600	1440	1240	1040	820	620	420	
CCL (Specified 7 units)	13-12-2007 to 15-10-2009	1760	1580	1360	1140	900	680	460	
CCL (Specified 7 units)	16-10-2009 to 26-02-2011	1940	1740	1500	1250	990	750	510	
CCL (Specified 7 units)	27-02-2011 to 31-12-2011	4100	3990	1500	1250	990	750	510	
CCL (Specified 16 units)	15-06-2004 to 12-12-2007	1500	1360	1160	970	x	x	x	
CCL (Specified 16 units)	13-12-2007 to 15-10-2009	1650	1500	1280	1070	x	x	x	
CCL (Specified 16 units)	16-10-2009 to 26-02-2011	1820	1650	1410	1180	x	x	x	
CCL (Specified 16 units)	27-02-2011 to 31-12-2011	4100	3990	1410	1180	x	x	x	
CCL (Others)	15-06-2004 to 12-12-2007	1340	1210	1010	830	650	520	370	
CCL (Others)	13-12-2007 to 15-10-2009	1470	1330	1110	910	720	570	410	
CCL (Others)	16-10-2009 to 26-02-2011	1620	1460	1220	1000	790	630	450	
CCL (Others) (NLF)	27-02-2011 to 31-12-2011	3690	3590	1220	1000	790	630	450	

Contd....

Table 6.3 : PITHEAD (RUN OF MINE) PRICE [Price- Rs./ Tonne] OF NON-COKING COAL PRIOR TO INTRODUCTION OF GCV

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

COMPANIES	Period	Grade of Coal							
		A	B	C	D	E	F	G	UNG
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
NCL	15-06-2004 to 12-12-2007	1230	1110	910	760	610	480	350	
NCL	13-12-2007 to 15-10-2009	1350	1220	1000	840	670	530	390	
NCL	16-10-2009 to 26-02-2011	1490	1340	1100	920	740	580	430	
NCL (LF)	27-02-2011 to 31-12-2011	4100	3990	1280	1080	x	x	x	
NCL (NLF)	27-02-2011 to 31-12-2011	3690	3590	1100	920	740	580	430	
WCL	15-06-2004 to 12-12-2007	1320	1250	1160	1100	900	710	540	
WCL	13-12-2007 to 15-10-2009	1450	1380	1280	1210	990	780	590	
WCL	16-10-2009 to 26-02-2011	1600	1520	1410	1330	1090	860	650	
WCL	27-02-2011 to 31-12-2011	4100	3990	1410	1330	1090	860	650	
SECL (Specified)	15-06-2004 to 12-12-2007	1330	1250	1070	920	720	520	360	
SECL (Specified)	13-12-2007 to 15-10-2009	1460	1380	1180	1010	790	570	400	
SECL (Specified)	16-10-2009 to 26-02-2011	1190	1110	950	800	660	520	390	
SECL (Korea Rewa)	27-02-2011 to 31-12-2011	4100	3990	1300	1110	870	630	440	
SECL (Korba & Raigarh) (LF)	27-02-2011 to 31-12-2011	4100	3990	1180	1010	x	x	x	
SECL (Korba & Raigarh) (NLF)	27-02-2011 to 31-12-2011	3690	3590	1050	880	730	570	430	
MCL	15-06-2004 to 12-12-2007	1610	1520	1300	1110	870	630	440	
MCL	13-12-2007 to 15-10-2009	1050	940	780	650	510	400	290	
MCL (LF)	27-02-2011 to 31-12-2011	4100	3990	1180	1010	x	x	x	
MCL (NLF)	27-02-2011 to 31-12-2011	3690	3590	1050	880	730	570	430	
NEC	15-06-2004 to 12-12-2007	1320	1050						
NEC	13-12-2007 to 15-10-2009	1520	1210						
NEC	16-10-2009 to 26-02-2011	2510	2000						
NEC	27-02-2011 to 31-12-2011	4100	3990	x	x	x	x	x	
SCCL *	13-01-2011 to 31-12-2011	2610	2220	1840	1500	1130	690	510	

Note: (i). The above mentioned Price is changed from January, 2012 based on the Gross Calorific Value (GCV). Please see table 6.8 to 6.13 for revised price of Non-coking Coal

* SCCL did not notify Sector wise Price. However, the price is shown here and not shown in Table 6.4.

LF denotes Long Falme Coal and NLF denotes Non-long Flame Coal.

Source: Information provided by CIL and SCCL

Table 6.4 : PITHEAD (RUN OF MINE) PRICE (Rupees Per Tonne) OF NON-COKING COAL PRIOR TO INTRODUCTION OF GCV

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

COMPANIES	Period	Grade of Coal							
		A	B	C	D	E	F	G	UNG
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL (Specified S P Mines)	15-06-2004 to 12-12-2007		1670	1470	1270	850	650	450	
ECL (Specified S P Mines)	13-12-2007 to 15-10-2009		1840	1620	1400	940	720	500	
ECL (Specified S P Mines)	16-10-2009 to 26-02-2011		2120	1860	1610	1080	830	580	
ECL (Specified S P Mines)	27-02-2011 to 31-12-2011		3990	2420	2090	1400	1080	750	
ECL (Specified Raniganj)	01-04-2004 to 12-12-2007		1640	1440	1240	770	570	380	
ECL (Specified Raniganj)	13-12-2007 to 14-10-2009		1800	1580	1360	850	630	420	
ECL (Specified Raniganj)	15-10-2009 to 26-02-2011		2070	1820	1560	980	730	480	
ECL (Raniganj)	27-02-2011 to 31-12-2011		3990	2370	2030	1270	950	620	
ECL (Mugma)	15/06/04 - 12/12/07	1550	1380	1180	980	780	580	380	
ECL (Mugma)	13/12/07 - 15/10/09	1710	1520	1300	1080	860	640	420	
ECL (Mugma)	15/10/09-26/2/11	1970	1750	1500	1240	990	740	480	
ECL (Mugma) (NLF)	27-02-2011 to 31-12-2011	3690	3590	1950	1610	1290	960	620	
ECL(Rajmahal)	15-06-2004 to 12-12-2007				1050 (LF)	810	690	550	
ECL(Rajmahal)	13-12-2007 to 15-10-2009				1160 (LF)	890	760	610	
ECL(Rajmahal)	16-10-2009 to 26-02-2011		x	x	1330 (LF)	1020	870	700	
ECL (Rajmahal) (NLF)	27-02-2011 to 31-12-2011		x	x	1730 (LF)	1330	1130	910	
ECL (Others)	15-06-2004 to 12-12-2007		1220	1020	820	620	480	340	
ECL (Others)	13-12-2007 to 15-10-2009		1340	1120	900	680	530	370	
ECL (Others)	16-10-2009 to 26-02-2011		1540	1290	1040	780	610	430	
ECL (Others) (NLF)	27-02-2011 to 31-12-2011		3590	1680	1350	1010	790	560	
BCCL	15-06-2004 to 12-12-2007		1190	990	820	650	520	370	
BCCL	13-12-2007 to 15-10-2009		1310	1090	900	720	570	410	
BCCL	16-10-2009 to 26-02-2011		1510	1250	1040	830	660	470	
BCCL (LF)	27-02-2011 to 31-12-2011		3990	1860	1570	x	x	x	
BCCL (NLF)	27-02-2011 to 31-12-2011		3590	1630	1350	1080	860	610	
CCL (Specified 7 units)	15-06-2004 to 12-12-2007		1440	1240	1040	820	620	420	
CCL (Specified 7 units)	13-12-2007 to 15-10-2009		1580	1360	1140	900	680	460	
CCL (Specified 7 units)	16-10-2009 to 26-02-2011		1740	1500	1250	990	750	510	
CCL (Specified 7 units)	27-02-2011 to 31-12-2011		3990	1950	1630	1290	980	660	
CCL (Specified 16 units)	15-06-2004 to 12-12-2007		1360	1160	970	x	x	x	
CCL (Specified 16 units)	13-12-2007 to 15-10-2009		1500	1280	1070	x	x	x	
CCL (Specified 16 units)	16-10-2009 to 26-02-2011		1650	1410	1180	x	x	x	
CCL (Specified 16 units)	27-02-2011 to 31-12-2011		3990	1830	1530	x	x	x	
CCL (Others)	15-06-2004 to 12-12-2007		1210	1010	830	650	520	370	
CCL (Others)	13-12-2007 to 15-10-2009		1330	1110	910	720	570	410	
CCL (Others)	16-10-2009 to 26-02-2011		1460	1220	1000	790	630	450	
CCL (Others) (NLF)	27-02-2011 to 31-12-2011		3590	1590	1300	1030	820	590	

Contd....

Table 6.4 : PITHEAD (RUN OF MINE) PRICE (Rupees Per Tonne) OF NON-COKING COAL PRIOR TO INTRODUCTION OF GCV

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

COMPANIES	Period	Grade of Coal							
		A	B	C	D	E	F	G	UNG
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
NCL	15-06-2004 to 12-12-2007	1230	1110	910	760	610	480	350	
NCL	13-12-2007 to 15-10-2009	1350	1220	1000	840	670	530	390	
NCL	16-10-2009 to 26-02-2011	1490	1340	1100	920	740	580	430	
NCL (LF)	27-02-2011 to 31-12-2011	4100	3990	1660	1400	x	x	x	
NCL (NLF)	27-02-2011 to 31-12-2011	3690	3590	1430	1200	960	750	560	
WCL	15-06-2004 to 12-12-2007	1320	1250	1160	1100	900	710	540	
WCL	13-12-2007 to 15-10-2009	1450	1380	1280	1210	990	780	590	
WCL	16-10-2009 to 26-02-2011	1600	1520	1410	1330	1090	860	650	
WCL	27-02-2011 to 31-12-2011	4100	3990	1830	1730	1420	1120	850	
SECL (Specified)	15-06-2004 to 12-12-2007	1330	1250	1070	920	720	520	360	
SECL (Specified)	13-12-2007 to 15-10-2009	1460	1380	1180	1010	790	570	400	
SECL (Specified)	16-10-2009 to 26-02-2011	1190	1110	950	800	660	520	390	
SECL (Korea Rewa)	27-02-2011 to 31-12-2011	4100	3990	1690	1440	1130	820	570	
SECL(Korba & Raigarh)(LF)	27-02-2011 to 31-12-2011	4100	3990	1530	1310	x	x	x	
SECL(Korba & Raigarh)(NLF)	27-02-2011 to 31-12-2011	3690	3590	1370	1140	950	740	560	
MCL	15-06-2004 to 12-12-2007	1610	1520	1300	1110	870	630	440	
MCL	13-12-2007 to 15-10-2009	1050	940	780	650	510	400	290	
MCL (LF)	27-02-2011 to 31-12-2011	4100	3990	1530	1310	x	x	x	
MCL (NLF)	27-02-2011 to 31-12-2011	3690	3590	1370	1140	950	740	560	
NEC	15-06-2004 to 12-12-2007	1320	1050						
NEC	13-12-2007 to 15-10-2009	1520	1210						
NEC	27-02-2011 to 31-12-2011	2510	2000						
NEC	27-02-2011 to 31-12-2011	4100	3990	x	x	x	x	x	
SCCL *									

Note: (i). The above mentioned Price is changed from January, 2012 based on the Gross Calorific Value (GCV). Please see table 6.8 to 6.13 for revised price of Non-coking Coal

* SCCL did not notify Sector wise Price. However, the price is shown in Table 6.3.

LF denotes Long Falme Coal and NLF denotes Non-long Flame Coal.

Source: Information provided by CIL and SCCL

Table 6.5 : 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)	01-04-2013 to 31-03-2014			2390	1990	1470	1370		
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 (Raniganj)	01-04-2013 to 31-03-2014							2150	1790
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
BCCL (Specified)	01-04-2013 to 27-05-2013	3750	3140	2740	1980	1480	1370		
BCCL (Specified)	28-05-2013 to 31-03-2014	3750	3140	2220	1850	1360	1270		
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 (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 31-03-2016			2020	1680	1240	1150		
BCCL	01-04-2016 to 12-01-2017			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		
CCL	01-04-2013 to 31-03-2014			1960	1620	1200	1120		
CCL	01-04-2014 to 30-03-2015			1960	1620	1200	1120		
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		
WCL	01-04-2013 to 31-03-2014			1710	1410	1290			
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			
SECL	27-02-2011 to 31-03-2013							1740	1450
SECL	01-04-2013 to 31-03-2014							1740	1450
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

Source: Information provided by CIL

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

Table 6.6 : PIT HEAD (RUN OF MINE) PRICE (Rupees Per Tonne) OF COKING COAL

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

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

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 2018-198.

Table 6.7 : RATE OF STOWING EXCISE DUTY ON INDIAN RAW COAL SINCE 1975 (Rs./ Tonne)

Period	Coking Coal	Non-coking Coal
01/04/75 - 08/02/83	2.40	1.65
09/02/83 - 25/06/03	4.25	3.50
27/06/2003 - till date	10.00	10.00

Notes. (1) Since 29-11-1978, SED is charged on Indigenous Raw Coal irrespective of location and ownership of coal mines.

Table 6.8 : PIT HEAD (Run of Mine) PRICE (Rupees Per Tonne) OF NON-COKING COAL OF COAL INDIA LTD (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 31-03-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
G 1	Exceeding 7000	*	*	*	*	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870	3450	3450	3288	3288	3288
G 3	Exceeding 6400 and not exceeding 6700	3890	3890	3890	3890	3210	3210	3144	3144	3144
G 4	Exceeding 6100 and not exceeding 6400	3490	3490	3490	3490	3000	3000	3000	3000	3000
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2750	2750	2737	2737	2737
G 6	Exceeding 5500 and not exceeding 5800	1600	1600	1600	1600	1900	1900	2317	2317	2317
G 7	Exceeding 5200 and not exceeding 5500	1400	1400	1400	1400	1600	1600	1926	1926	1926
G 8	Exceeding 4900 and not exceeding 5200	1250	1250	1250	1250	1420	1420	1465	1465	1465
G 9	Exceeding 4600 and not exceeding 4900	970	970	970	970	1100	1100	1140	1140	1140
G 10	Exceeding 4300 and not exceeding 4600	860	860	860	860	980	980	1024	1024	1024
G 11	Exceeding 4000 and not exceeding 4300	700	700	700	700	810	810	955	955	955
G 12	Exceeding 3700 and not exceeding 4000	660	660	660	660	760	760	886	886	886
G 13	Exceeding 3400 and not exceeding 3700	610	610	610	610	720	720	817	817	817
G 14	Exceeding 3100 and not exceeding 3400	550	550	550	550	650	650	748	748	748
G 15	Exceeding 2800 and not exceeding 3100	510	510	510	510	600	600	590	590	590
G 16	Exceeding 2500 and not exceeding 2800	450	450	450	450	530	530	504	504	504
G 17	Exceeding 2200 and not exceeding 2500	400	400	400	400	470	470	447	447	447

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

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

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

Table 6.9 : PIT HEAD Price (Run of Mine) PRICE (Rupees Per Tonne) OF NON-COKING COAL OF COAL INDIA LTD (Excluding WCL)

Grade of Coal	GCV Bands	Applicable to Sectors Other than Power Utilities (including IPPs), Fertiliser and Defence [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 31-03-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
G 1	Exceeding 7000	*	*	*	*	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870	3450	3450	3288	3288	3288
G 3	Exceeding 6400 and not exceeding 6700	3890	3890	3890	3890	3210	3210	3144	3144	3144
G 4	Exceeding 6100 and not exceeding 6400	3490	3490	3490	3490	3000	3000	3000	3000	3000
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2750	2750	2737	2737	2737
G 6	Exceeding 5500 and not exceeding 5800	2150	2150	2150	2150	2280	2280	2524	2524	2524
G 7	Exceeding 5200 and not exceeding 5500	1890	1890	1890	1890	1920	1920	2311	2311	2311
G 8	Exceeding 4900 and not exceeding 5200	1690	1690	1690	1690	1700	1700	1757	1757	1757
G 9	Exceeding 4600 and not exceeding 4900	1310	1310	1310	1310	1320	1320	1368	1368	1368
G 10	Exceeding 4300 and not exceeding 4600	1160	1160	1160	1160	1180	1180	1228	1228	1228
G 11	Exceeding 4000 and not exceeding 4300	950	950	950	950	970	970	1145	1145	1145
G 12	Exceeding 3700 and not exceeding 4000	890	890	890	890	910	910	1063	1063	1063
G 13	Exceeding 3400 and not exceeding 3700	820	820	820	820	860	860	980	980	980
G 14	Exceeding 3100 and not exceeding 3400	740	740	740	740	780	780	897	897	897
G 15	Exceeding 2800 and not exceeding 3100	680	680	680	680	720	720	708	708	708
G 16	Exceeding 2500 and not exceeding 2800	610	610	610	610	640	640	604	604	604
G 17	Exceeding 2200 and not exceeding 2500	540	540	540	540	570	570	536	536	536

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

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

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

Table 6.10 : PIT HEAD (Run of Mines) PRICE (Rupees per Tonne) OF Non-Coking Coal of Western Coalfields Ltd. (WCL)

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

Grade of Coal	GCV Bands	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 31-03-20
(1)	(2)	(3)	(4)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
G 1	Exceeding 7000	*	*	*	*	*	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870	4870	3450	3450	3288	3288	3288
G 3	Exceeding 6400 and not exceeding 6700	3890	3890	3890	3890	3890	3210	3210	3144	3144	3144
G 4	Exceeding 6100 and not exceeding 6400	3490	3490	3490	3490	3490	3000	3000	3000	3000	3000
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800	2750	2750	2737	2737	2737
G 6	Exceeding 5500 and not exceeding 5800	1760	1920	1920	1920	1920	2280	2280	2524	2524	2524
G 7	Exceeding 5200 and not exceeding 5500	1540	1680	1680	1680	1680	1920	1920	2311	2311	2311
G 8	Exceeding 4900 and not exceeding 5200	1380	1510	1510	1510	1510	1700	1700	1757	1757	1757
G 9	Exceeding 4600 and not exceeding 4900	1070	1170	1170	1170	1170	1320	1320	1368	1368	1368
G 10	Exceeding 4300 and not exceeding 4600	940	1030	1030	1030	1030	1180	1180	1228	1228	1228
G 11	Exceeding 4000 and not exceeding 4300	770	840	840	840	840	970	970	1145	1145	1145
G 12	Exceeding 3700 and not exceeding 4000	730	800	800	800	800	910	910	1063	1063	1063
G 13	Exceeding 3400 and not exceeding 3700	670	730	730	730	730	860	860	980	980	980
G 14	Exceeding 3100 and not exceeding 3400	610	670	670	670	670	780	780	897	897	897
G 15	Exceeding 2800 and not exceeding 3100	560	610	610	610	610	720	720	708	708	708
G 16	Exceeding 2500 and not exceeding 2800	500	550	550	550	550	640	640	604	604	604
G 17	Exceeding 2200 and not exceeding 2500	440	480	480	480	480	560	560	536	536	536

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

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

Table 6.11: 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	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 31-03-20
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
G 1	Exceeding 7000	*	*	*	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	3450	3450	3288	3288	3288
G 3	Exceeding 6400 and not exceeding 6700	3890	3890	3890	3210	3210	3144	3144	3144
G 4	Exceeding 6100 and not exceeding 6400	3490	3490	3490	3000	3000	3000	3000	3000
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2750	2750	2737	2737	2737
G 6	Exceeding 5500 and not exceeding 5800	2590	2590	2590	2280	2280	2580	2580	2580
G 7	Exceeding 5200 and not exceeding 5500	2270	2270	2270	1920	1920	2423	2423	2423
G 8	Exceeding 4900 and not exceeding 5200	2030	2030	2030	1700	1700	2109	2109	2109
G 9	Exceeding 4600 and not exceeding 4900	1570	1570	1570	1320	1320	1642	1642	1642
G 10	Exceeding 4300 and not exceeding 4600	1390	1390	1390	1180	1180	1474	1474	1474
G 11	Exceeding 4000 and not exceeding 4300	1150	1150	1150	970	970	1374	1374	1374
G 12	Exceeding 3700 and not exceeding 4000	1070	1070	1070	910	910	1275	1275	1275
G 13	Exceeding 3400 and not exceeding 3700	980	980	980	860	860	1176	1176	1176
G 14	Exceeding 3100 and not exceeding 3400	890	890	890	780	780	1076	1076	1076
G 15	Exceeding 2800 and not exceeding 3100	820	820	820	720	720	850	850	850
G 16	Exceeding 2500 and not exceeding 2800	730	730	730	640	640	725	725	725
G 17	Exceeding 2200 and not exceeding 2500	640	640	640	570	570	643	643	643

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

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

Table 6.12 : PIT HEAD (RUN OF MINE) PRICE (Rupees per Tonne) OF THE SINGARENI COLLIERIES COMPANY LTD
(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 6.13 : BASIC (RUN OF MINE) PRICE (Rupees per Tonne) OF THE SINGARENI COLLIERIES COMPANY LTD

APPLICABLE FOR POWER UTILITY SECTOR

Grade of Coal	GCV RANGE	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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
G 1	Above 7000	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4910	4910
G 2	6701-7000	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4700	4700
G 3	6401-6700	4390	4390	4390	4390	4390	4390	4390	4390	4390	4390	4390	4610	4610
G 4	6101-6400	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4560	4560
G 5	5801-6100	4320	4320	4320	4320	3320	3320	3320	3520	3520	3700	3700	3885	3885
G 6	5501-5800	3328	3328	3328	3328	3000	3000	3000	3200	3200	3600	3600	3780	3780
G 7	5201-5500	2600	2600	2600	2600	2600	2600	2600	2800	2800	3100	3100	3430	3430
G 8	4901-5200	2580	2580	2580	2580	2580	2580	2580	2600	2600	2900	2900	3130	3130
G 9	4601-4900	1730	1730	1730	1730	1730	1730	1730	2030	2030	2330	2330	2450	2450
G 10	4301-4600	1610	1610	1610	1610	1610	1610	1610	1900	1900	2200	2200	2310	2310
G 11	4001-4300	1300	1300	1300	1300	1300	1300	1300	1430	1430	1730	1730	1820	1820
G 12	3701-4000	1050	1050	1050	1050	1050	1050	1050	1250	1250	1520	1520	1600	1600
G 13	3401-3700	800	800	800	800	800	960	960	960	960	1160	1160	1230	1230
G 14	3101-3400	710	710	710	710	710	710	710	710	710	1000	1000	1100	1100
G 15	2801-3100	590	590	590	590	590	590	590	590	590	880	880	970	970
G 16	2501-2800	550	550	550	550	550	550	550	550	550	840	840	920	920
G 17	2201-2500	490	490	490	490	490	490	490	490	490	590	590	830	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 6.14 : BASIC (RUN OF MINE) PRICE (Rupees per Tonne) OF THE SINGARENI COLLIERIES COMPANY LTD

APPLICABLE FOR NON-POWER UTILITY SECTOR

Grade of Coal	GCV RANGE	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	24-01-17 to 31-03-17	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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
G 1	Above 7000	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4910	4910
G 2	6701-7000	4480	4480	4480	4300	4300	4300	4300	4300	4300	4480	4480	4700	4700
G 3	6401-6700	4390	4390	4390	3900	3900	3900	3900	3900	3900	4390	4390	4610	4610
G 4	6101-6400	4340	4340	4340	3600	3600	3600	3600	3600	3600	4340	4340	4560	4560
G 5	5801-6100	4320	4320	4320	3320	3320	3320	3320	3520	3520	3700	3700	3885	3885
G 6	5501-5800	3328	3328	3328	3000	3000	3000	3000	3200	3200	3600	3600	3780	3780
G 7	5201-5500	2600	2600	2600	2600	2600	2600	2600	2800	2800	3100	3100	3430	3430
G 8	4901-5200	2580	2580	2580	2580	2580	2580	2580	2600	2600	2900	2900	3130	3130
G 9	4601-4900	2280	2280	2280	2280	2280	2280	2280	2500	2500	2800	2800	3020	3020
G 10	4301-4600	2130	2130	2130	2130	2130	2130	2130	2340	2340	2660	2660	2880	2880
G 11	4001-4300	1725	1725	1725	1725	1725	1725	1725	1900	1900	2150	2150	2340	2340
G 12	3701-4000	1395	1395	1395	1395	1395	1395	1395	1500	1500	1900	1900	2080	2080
G 13	3401-3700	1065	1065	1065	1065	1065	1065	1065	1200	1200	1500	1500	1660	1660
G 14	3101-3400	945	945	945	945	945	945	945	945	945	1300	1300	1520	1520
G 15	2801-3100	795	795	795	795	795	795	795	795	795	1000	1000	1190	1190
G 16	2501-2800	635	635	635	635	635	635	635	635	635	840	840	1010	1010
G 17	2201-2500	486	486	486	486	486	486	486	486	490	590	590	940	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.

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 2019-20, import of coal by India was 248.537 MT against import of 235.348 MT in 2018-19, thus import Increased by 5.60% over 2018-19. Import of coal, both in quantity and value is shown in Statement 7.1 below.

Statement 7.1: Import of Coal to India in 2019-20

Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	51.833	612668
Non-Coking	196.703	914652
Total	**248.536**	**1527320.55**

It may be seen that the share of coking coal in the total quantity was 20.86% but it accounted for 40.11% of the total value of import

7.1.4 Statement 7.3 shows country wise import of coal in India in 2019-20. It can be seen that Indonesia with 47.94% share remained the leading supplier followed by Australia 18.80% and South Africa 17.09%. These three countries together accounted for 82.83% share in the country's import in 2019-20.

Statement 7.3: Source Country-Wise Import of Coal by India during 2019-20

Country	Quantity [MT]	Share
Indonesia	116.663	46.94%
Australia	46.718	18.80%
South Africa	42.481	17.09%
U S A	12.158	4.89%
Mozambique	5.476	2.20%
Russia	8.226	3.31%
Canada	4.686	1.89%
New Zealand	0.413	0.17%
Colombia	1.912	0.77%
Netherland	0.382	0.15%
China P Rp	0.212	0.09%
Vietnam Soc Rep	0.070	0.03%
Others	9.140	3.68%
Total	**248.537**	**100.00%**

7.1.5 The break-up of source country wise import for coking and non-coking coal during 2019-20 is given in statement 7.3 and respectively.

Statement 7.3 Source Country-Wise Import of Coking Coal by India during 2019-20		
Country	**Quantity [MT]**	**Share**
Australia	35.916	69.29%
Canada	4.647	8.97%
U S A	3.775	7.28%
Mozambique	1.778	3.43%
Indonesia	1.423	2.75%
New Zealand	0.413	0.80%
Russia	1.104	2.13%
Others	2.777	5.36%
Total	**51.833**	**100.00%**

Statement 7.4 Source Country-Wise Import of Non-Coking Coal to India during 2019-20		
Country	**Quantity [MT]**	**Share**
Indonesia	115.240	58.59%
South Africa	42.481	21.60%
Australia	10.802	5.49%
U S A	8.384	4.26%
Russia	7.122	3.62%
Mozambique	3.699	1.88%
Colombia	1.902	0.97%
Others	7.074	3.60%
Total	**196.704**	**100.00%**

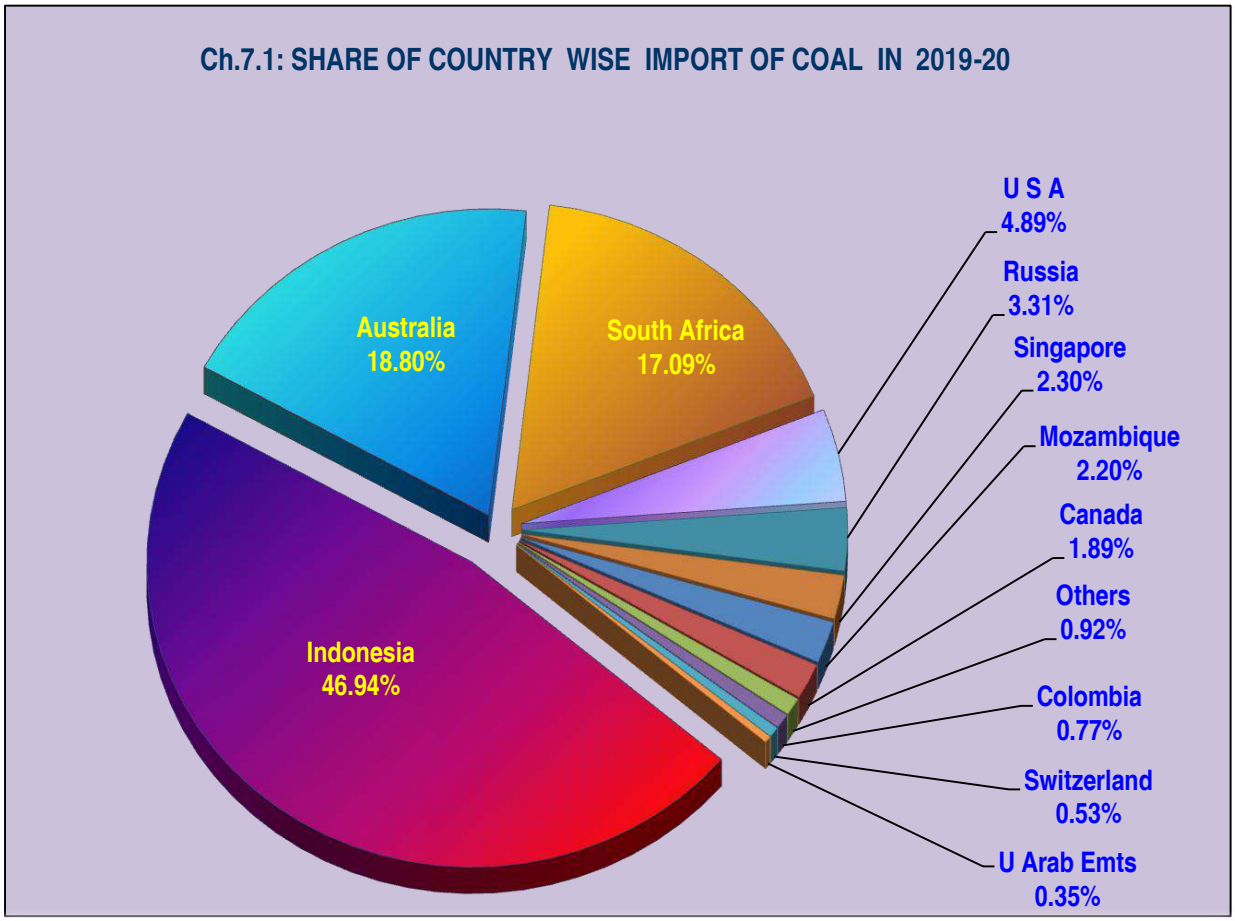
7.1.6 Demand of coal of the country and its production vis-à-vis import during the last five years are given in statement 7.1

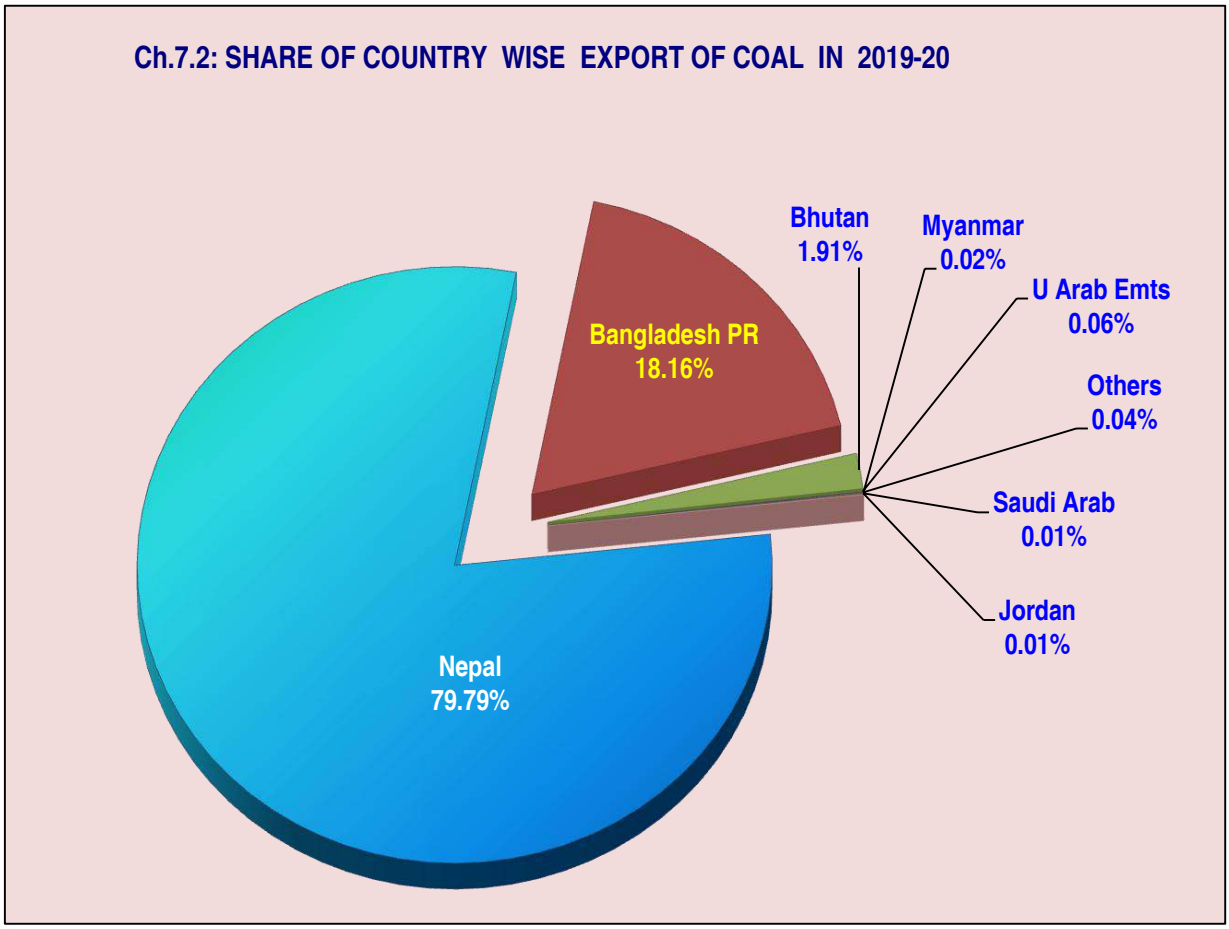
Statement 7.1: Demand, Production and Import of Coal in India in last five years [MT]			
Year	**Demand ***	**Production**	**Import**
2015-16	910.000	639.230	203.949
2016-17	884.870	657.868	190.953
2017-18	908.400	675.400	208.249
2018-19	991.350	728.718	235.348
2019-20	1000.00	730.874	248.537

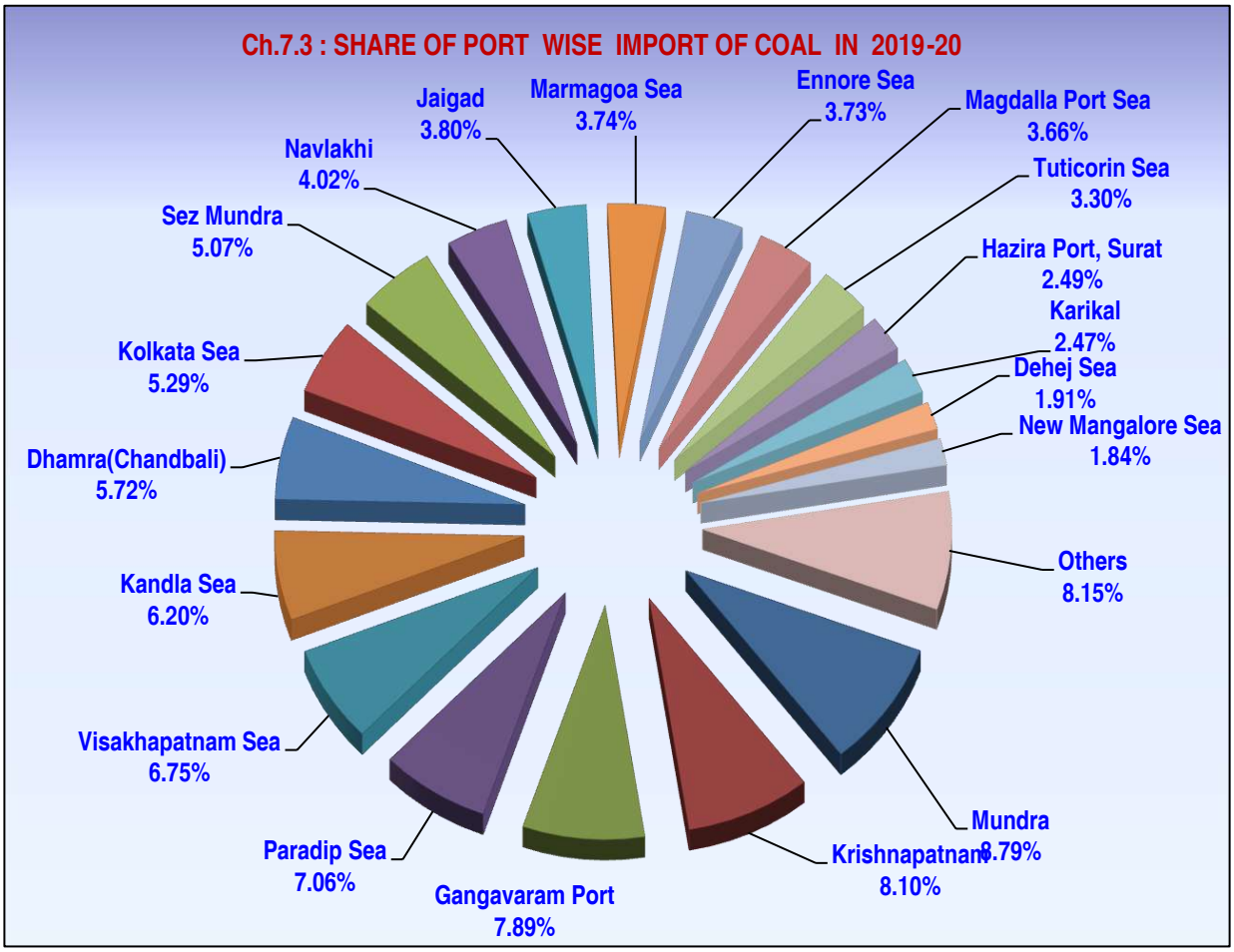
* Source: Annual Plan, MOC

7.1.7 Export of Coal: Although, there is short supply of coal in India compared to its demand and it has to resort to import of coal, India do export some quantity of coal to its neighbouring countries. In 2019-20 the export of coal was 1.030 MT and mainly exported to Bangladesh and Nepal, having respective shares of 18.16% and 79.79%. Out of the export, quantity of coking coal was 0.00164 MT.

Statement 7.4: Export of Coal from India by destination countries during 2019-20		
Country	**Quantity [MT]**	**Share**
Bangladesh	0.187	18.16%
Nepal	0.822	79.79%
Bhutan	0.020	1.91%
UAE	0.001	0.06%
Total	**1.030**	**100.00%**


Ch.7.1: SHARE OF COUNTRY WISE IMPORT OF COAL IN 2019-20
Australia
18.80%
South Africa
17.09%
Indonesia
46.94%
U S A
4.89%
Russia
3.31%
Singapore
2.30%
Mozambique
2.20%
Canada
1.89%
Others
0.92%
Colombia
0.77%
Switzerland
0.53%
U Arab Emts
0.35%


Ch.7.2: SHARE OF COUNTRY WISE EXPORT OF COAL IN 2019-20
Bangladesh PR
18.16%
Nepal
79.79%
Bhutan
1.91%
Myanmar
0.02%
U Arab Emts
0.06%
Others
0.04%
Saudi Arab
0.01%
Jordan
0.01%


Ch.7.3 : SHARE OF PORT WISE IMPORT OF COAL IN 2019-20
Jaigad 3.80%
Marmagoa Sea 3.74%
Ennore Sea 3.73%
Magdalla Port Sea 3.66%
Navlakhi 4.02%
Tuticorin Sea 3.30%
Sez Mundra 5.07%
Hazira Port, Surat 2.49%
Karikal 2.47%
Kolkata Sea 5.29%
Dehej Sea 1.91%
New Mangalore Sea 1.84%
Dhamra(Chandbali) 5.72%
Others 8.15%
Kandla Sea 6.20%
Visakhapatnam Sea 6.75%
Mundra 8.79%
Paradip Sea 7.06%
Krishnapatnam 8.10%
Gangavaram Port 7.89%

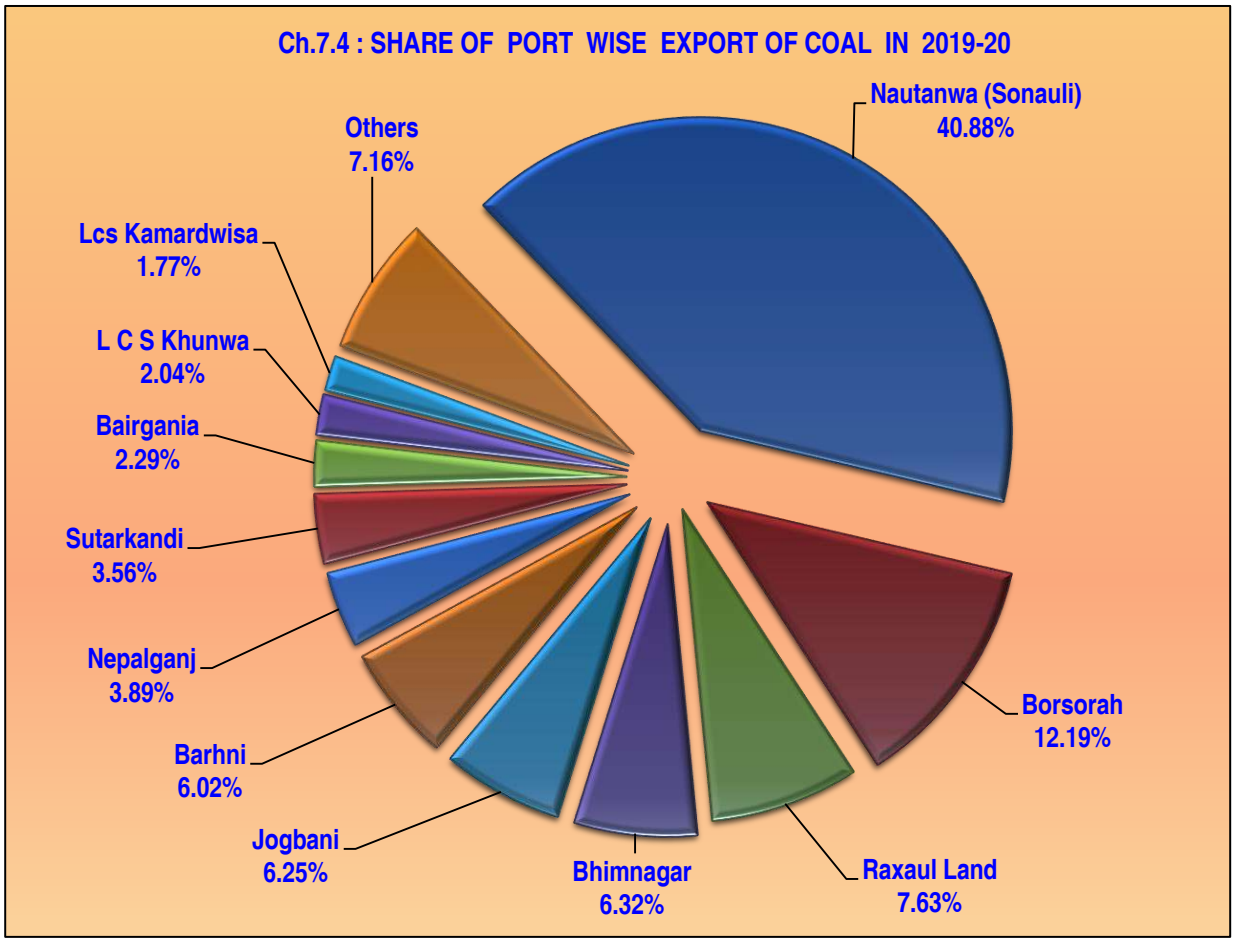

Ch.7.4 : SHARE OF PORT WISE EXPORT OF COAL IN 2019-20
Nautanwa (Sonauli) 40.88%
Others 7.16%
Lcs Kamardwisa 1.77%
L C S Khunwa 2.04%
Bairgania 2.29%
Sutarkandi 3.56%
Nepalganj 3.89%
Borsorah 12.19%
Barhni 6.02%
Jogbani 6.25%
Bhimnagar 6.32%
Raxaul Land 7.63%

TABLE 7.1 : YEAR WISE IMPORT OF COAL AND COKE TO INDIA DURING LAST TEN YEARS

(Quantity in Million Tonne & 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)	(9)	(10)	(11)
2010-11	19.48392	208620.70	49.43368	206875.09	**68.91760**	**415495.80**	1.49021	31203.55		
2011-12	31.80101	424692.34	71.05162	363683.49	**102.85263**	**788375.83**	2.36469	47584.54		
2012-13	35.55697	378398.09	110.22847	490056.94	**145.78545**	**868455.02**	3.08065	56918.82	0.00065	10.22
2013-14	36.87214	348318.65	129.98489	574973.16	**166.85702**	**923291.81**	4.17053	67994.89	0.00127	23.73
2014-15	43.71529	337655.59	174.06751	707410.50	**217.78280**	**1045066.09**	3.29388	43806.15	0.00064	17.03
2015-16	44.56117	282519.09	159.38809	577818.53	**203.94926**	**860337.62**	3.07163	32683.54	0.00105	14.83
2016-17	41.64379	412300.61	149.30926	590013.33	**190.95305**	**1002313.94**	4.34648	54019.35	0.01912	433.29
2017-18	47.00325	595226.36	161.24542	789543.41	**208.24867**	**1384769.77**	4.58478	91524.74	0.01041	116.50
2018-19	51.83768	720497.64	183.51033	988707.26	**235.34801**	**1709204.90**	4.93094	120644.85	0.01937	403.43
2019-20	51.83275	612668.32	196.70383	914652.23	**248.53658**	**1527320.55**	2.87455	60256.67	0.05425	1074.46

TABLE 7.2 : YEAR WISE EXPORT OF COAL AND COKE FROM INDIA DURING LAST TEN YEARS

(Quantity in Million Tonne & 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)	(9)	(10)	(11)
2010-11	0.11100	265.00	1.76393	4544.27	**1.87493**	**4809.27**	0.72859	11646.64		
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

Note:

Source: DGCI & S , KOLKATA

(1) Coke also includes soft coke, retort carbon which are negligible

(2) Some figures may not match with DGCI&S publication due to subsequent corrections and roundings.

(3) Coking coal, appeared to be exported from Meghalaya, should be treated as non coking coal for accounting purpose.

(4) Export data for 2009-10 and 2010-11 are revised.

TABLE 7.3 : SOURCE COUNTRY-WISE IMPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2019-20

(Quantity in Million Tonnes & Value in Million Rs.)

Country	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)	(9)	(10)	(11)
Australia	35.91565	427267.26	10.80214	82902.62	**46.71779**	**510169.88**	0.14106	2492.57		
Baharain Is			0.00049	6.49	**0.00049**	**6.49**	0.00045	6.70		
Bangladesh Pr			0.00738	67.30	**0.00738**	**67.30**				
Belgium			0.15940	794.90	**0.15940**	**794.90**				
Bhutan			0.00251	17.82	**0.00251**	**17.82**				
Canada	4.64724	57293.86	0.03830	289.67	**4.68555**	**57583.53**	0.00016	2.71		
China P Rp	0.18156	2869.43	0.03083	962.81	**0.21239**	**3832.23**	0.34460	7224.01	0.00886	133.89
Colombia	0.01000	106.42	1.90235	9423.21	**1.91235**	**9529.64**	0.39421	7123.90		
Cyprus			0.00199	25.63	**0.00199**	**25.63**				
Denmark					**0.00000**	**0.00**	0.00535	87.09		
Egypt A Rp					**0.00000**	**0.00**	0.03768	645.96		
Estonia					**0.00000**	**0.00**	0.00021	3.87		
Finland			0.07735	717.87	**0.07735**	**717.87**	0.04081	946.36		
Germany	0.02950	293.36	0.00003	1.47	**0.02953**	**294.83**	0.00180	28.70		
Hong Kong			0.05843	327.96	**0.05843**	**327.96**	0.00617	114.17	0.00027	4.47
Iceland			0.08000	321.29	**0.08000**	**321.29**				
Indonesia	1.42330	13156.56	115.23977	447692.35	**116.66307**	**460848.91**	0.13209	2898.90		0.00
Iran			0.02356	73.68	**0.02356**	**73.68**	0.01738	277.18		
Ireland					**0.00000**	**0.00**	0.00018	2.43		
Japan					**0.00000**	**0.00**	0.38987	8263.57	0.02379	443.35
Latvia			0.12930	1400.07	**0.12930**	**1400.07**	0.00101	18.30		
Lithuania					**0.00000**	**0.00**	0.00064	13.04		
Malaysia			0.00002	0.40	**0.00002**	**0.40**	0.00060	6.58		
Mexico			0.10747	633.77	**0.10747**	**633.77**				
Mozambique	1.77755	20890.85	3.69882	19381.77	**5.47638**	**40272.62**				
Netherland			0.38200	1473.30	**0.38200**	**1473.30**	0.00005	2.90		
New Zealand	0.41278	4376.75		0.08	**0.41278**	**4376.83**				
Nigeria			0.00006	0.28	**0.00006**	**0.28**				
Philippines			0.03455	146.24	**0.03455**	**146.24**				
Poland					**0.00000**	**0.00**	0.81476	19526.72		
Puerto Rico					**0.00000**	**0.00**	0.00400	62.35		
Qatar					**0.00000**	**0.00**	0.00096	5.81		
Russia	1.10388	8104.79	7.12250	52386.83	**8.22637**	**60491.62**	0.30123	6167.06	0.02133	492.75
Saudi Arab			0.00012	1.29	**0.00012**	**1.29**				
Singapore	2.00611	25290.69	3.72206	19780.79	**5.72816**	**45071.49**	0.17635	3439.46		
South Africa		0.00	42.48134	212693.03	**42.48134**	**212693.03**				
Spain					**0.00000**	**0.00**	0.00026	7.14		
Switzerland	0.28813	3682.21	1.04129	5252.29	**1.32942**	**8934.50**	0.03053	565.14		
Taiwan			0.16680	979.42	**0.16680**	**979.42**				
U Arab Emts	0.21878	2967.60	0.65550	2750.40	**0.87428**	**5718.00**	0.01234	258.28		
U K	0.00060	17.52	0.28383	1477.69	**0.28443**	**1495.21**	0.00018	4.94		
U S A	3.77457	45880.21	8.38374	51603.80	**12.15830**	**97484.01**		2.38		
Venezuela					**0.00000**	**0.00**	0.00066	7.69		
Vietnam Soc Rep			0.06995	1065.69	**0.06995**	**1065.69**				
Virgin Is Us	0.04312	470.81			**0.04312**	**470.81**				
Unspecified					**0.00000**	**0.00**	0.01895	50.78		
TOTAL	**51.83275**	**612668.32**	**196.70383**	**914652.23**	**248.53658**	**1527320.55**	**2.87455**	**60256.67**	**0.05425**	**1074.46**

Source: DGCI & S , KOLKATA

TABLE 7.4 : DESTINATION COUNTRY-WISE EXPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2019-20

(Quantity in Million Tonnes & Value in Million Rs.)

Country	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)	(9)	(10)	(11)
Algeria					**0.00000**	**0.00**			0.00003	5.02
Angola					**0.00000**	**0.00**	0.00002	0.47		
Australia			0.00001	0.09	**0.00001**	**0.09**				
Azerbaijan					**0.00000**	**0.00**			0.00003	5.30
Baharain Is			0.00001	1.71	**0.00001**	**1.71**				
Bangladesh Pr	0.00018	1.08	0.18686	919.91	**0.18704**	**920.99**	0.00390	63.57	0.00029	4.34
Bhutan			0.01969	201.41	**0.01969**	**201.41**	0.00080	19.96	0.05220	1274.93
Brazil					**0.00000**	**0.00**			0.03350	804.17
China P Rp				0.00	**0.00000**	**0.00**				
Germany				0.00	**0.00000**	**0.00**				
Ghana					**0.00000**	**0.00**	0.00006	0.59	0.00003	0.42
Indonesia			0.00003	0.53	**0.00003**	**0.53**	0.00007	1.60	0.00003	4.15
Japan				0.00	**0.00000**	**0.00**				
Jordan			0.00010	2.43	**0.00010**	**2.43**	0.00007	2.83	0.00038	11.09
Kuwait					**0.00000**	**0.00**			0.00002	2.48
Madagascar			0.00006	3.10	**0.00006**	**3.10**				
Malaysia			0.00007	3.60	**0.00007**	**3.60**			0.00015	19.93
Mauritius			0.00002	0.49	**0.00002**	**0.49**				
Morocco					**0.00000**	**0.00**			0.00011	3.08
Myanmar			0.00022	4.12	**0.00022**	**4.12**			0.00002	3.61
Nepal	0.00146	12.35	0.82017	4658.33	**0.82163**	**4670.67**	0.01680	129.13	0.00149	14.58
Netherland					**0.00000**	**0.00**			0.00003	5.08
Nigeria			0.00001	0.67	**0.00001**	**0.67**	0.00001	0.44	0.00005	1.69
Oman			0.00008	1.71	**0.00008**	**1.71**	0.00002	0.48	0.00051	80.04
Pakistan Ir					**0.00000**	**0.00**	0.00014	2.09	0.00100	25.31
Philippines			0.00000	0.02	**0.00000**	**0.02**				
Qatar			0.00005	1.98	**0.00005**	**1.98**			0.00046	14.28
Russia					**0.00000**	**0.00**			0.00025	29.42
Saudi Arab			0.00010	2.38	**0.00010**	**2.38**	0.00002	0.49	0.00150	138.88
South Africa					**0.00000**	**0.00**	0.00004	1.62		
Sri Lanka Dsr			0.00001	0.70	**0.00001**	**0.70**	0.00001	0.24	0.00020	6.36
Thailand			0.00001	0.63	**0.00001**	**0.63**	0.00002	0.23	0.00003	5.22
U Arab Emts			0.00060	14.11	**0.00060**	**14.11**			0.00019	15.24
U S A			0.00001	0.02	**0.00001**	**0.02**	0.00002	0.68		
Ukraine					**0.00000**	**0.00**			0.00015	6.35
Vietnam Soc Rep			0.00003	0.71	**0.00003**	**0.71**				
Yemen Republc					**0.00000**	**0.00**		0.00		
Unspecified					**0.00000**	**0.00**				
TOTAL	**0.00164**	**13.43**	**1.02813**	**5818.65**	**1.02977**	**5832.07**	**0.02200**	**224.42**	**0.09266**	**2480.98**

Source: DGCI & S , KOLKATA

TABLE 7.5 : PORT WISE IMPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2019-20

(Quantity in Million Tonnes & Value in Million Rs.)

Port	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)	(9)	(10)	(11)
Agartala			0.00332	27.86	**0.00332**	**27.86**				
Appiic Multi Prod Sez Vizag Dc			0.14610	646.36	**0.14610**	**646.36**	0.016498	292.73		
Bangalore Airport	0.00000	0.64	0.00000	0.16	**0.00001**	**0.80**				
Bedi Sea			0.14470	777.89	**0.14470**	**777.89**				
Bhavnagar			1.30533	5579.41	**1.30533**	**5579.41**				
Cfs Startrack Dadri			0.00007	1.02	**0.00007**	**1.02**				
Chennai Air				0.00	**0.00000**	**0.00**				
Chennai Sea	0.00060	17.52	0.01738	512.17	**0.01798**	**529.70**	0.011404	304.81	0.001739	24.87
Cochin Sea			0.00015	5.08	**0.00015**	**5.08**	0.000302	5.70		
Concor Icd Naya Raipur			0.00010	3.35	**0.00010**	**3.35**				
Concor Icd/Mmlp Khapri Nagpur			0.00010	3.62	**0.00010**	**3.62**				
Darranga (Rangia)			0.00248	17.48	**0.00248**	**17.48**				
Dehej Sea			4.75108	20210.02	**4.75108**	**20210.02**				
Delhi (Icd)			0.00003	0.53	**0.00003**	**0.53**	0.000003	0.08		
Delhi Air			0.00003	0.62	**0.00003**	**0.62**		2.24		
Dhahanu Sea			0.86050	3942.14	**0.86050**	**3942.14**				
Dhamra(Chandbali)	7.16892	86804.73	7.04646	47909.77	**14.21538**	**134714.50**				
Dharmatar Sea			2.91498	10856.69	**2.91498**	**10856.69**				
Ennore Sea	0.73214	9035.48	8.54190	34323.70	**9.27403**	**43359.18**				
Gangavaram Port	4.73299	56885.23	14.88652	71572.79	**19.61951**	**128458.02**	0.066000	1877.93		
Gopalpur Port	0.16879	1756.48	0.18467	1126.31	**0.35346**	**2882.79**				
Hazira Port, Surat			6.19985	22100.41	**6.19985**	**22100.41**				
Icd Bhusawal					**0.00000**	**0.00**	0.007076	113.75		
Icd Durgapur, Wb			0.01290	314.45	**0.01290**	**314.45**				
Icd Garhiharsaru			0.00030	4.03	**0.00030**	**4.03**				
Icd Kanech, Inlogistics			0.00030	7.02	**0.00030**	**7.02**				
Icd Loni			0.00029	4.05	**0.00029**	**4.05**				
Icd Mandideep					**0.00000**	**0.00**	0.000259	7.14		
Icd Nagpur			0.00199	68.49	**0.00199**	**68.49**			0.000028	0.50
Icd Raipur			0.00071	17.60	**0.00071**	**17.60**				
Icd Rewari					**0.00000**	**0.00**	0.000050	0.98		
Icd Sabarmati			0.00006	1.90	**0.00006**	**1.90**	0.000001	0.09		
Icd Sahnewal, Grfl			0.00022	4.94	**0.00022**	**4.94**				
Icd Tuticorin			0.00002	0.52	**0.00002**	**0.52**	0.000001	0.01		
Jabilant Infra Ltd Kandla			0.01000	32.27	**0.01000**	**32.27**				
Jaigad	3.90900	43769.27	5.53848	26751.85	**9.44748**	**70521.12**				
Jakhav			0.50379	2481.75	**0.50379**	**2481.75**				
Kakinada Sea			2.28938	9528.38	**2.28938**	**9528.38**				
Kandla Sea	0.76025	8930.98	14.64012	74231.63	**15.40037**	**83162.60**	0.035103	821.36		
Karikal	0.60595	6719.41	5.54293	23354.30	**6.14888**	**30073.71**				
Kattupalli Port/ Tiruvallur					**0.00000**	**0.00**			0.000720	10.05
Kodinar Sea			0.16111	568.19	**0.16111**	**568.19**				
Kolkata Air	0.00000	0.04	0.00000	0.67	**0.00000**	**0.72**				0.00
Kolkata Sea	7.41004	92207.87	5.73364	35178.46	**13.14367**	**127386.33**	0.409597	8104.42	0.005858	97.78
Krishnapatnam	2.63351	26656.95	17.49899	78491.95	**20.13250**	**105148.90**	0.056178	1238.94		
Lcs Kamardwisa			0.00003	0.34	**0.00003**	**0.34**				
Lcs Mahurighat			0.00029	2.38	**0.00029**	**2.38**				
Magdalla Port Sea	0.15967	1684.43	8.93591	40839.24	**9.09558**	**42523.67**	1.259894	28444.96		
Marmagoa Sea	6.11452	65890.35	3.18585	19763.79	**9.30037**	**85654.14**				
Mumbai Air	0.00001	0.53	0.00000	1.47	**0.00001**	**2.01**		1.04		
Mumbai Sea			2.32819	11542.40	**2.32819**	**11542.40**				
Mundra	0.87156	10654.86	20.97842	93155.82	**21.84998**	**103810.68**	0.040675	765.76		
Navlakhi			9.98726	38242.06	**9.98726**	**38242.06**				
New Mangalore Sea	0.05763	934.45	4.52685	23811.71	**4.58448**	**24746.16**	0.379028	8138.15		
Nhava Sheva Sea			0.00265	87.48	**0.00265**	**87.48**	0.003362	59.26	0.000782	5.17
Okha	0.18680	2308.34	0.98287	5446.54	**1.16967**	**7754.88**				
Paradip Sea	9.65244	115880.33	7.89609	45153.99	**17.54853**	**161034.32**	0.325300	5604.02		
Parri Infra Co Pvt Ltd			0.05000	122.99	**0.05000**	**122.99**				
Petrapole Land			0.00001	0.07	**0.00001**	**0.07**				
Pipavab(Vicyor)			0.89545	5638.61	**0.89545**	**5638.61**	0.020675	253.94	0.045123	936.10
Porbandar			0.52189	2388.83	**0.52189**	**2388.83**				
Ranpar			0.22686	815.90	**0.22686**	**815.90**				
Revdanda			1.14581	4538.23	**1.14581**	**4538.23**				
Salaya			4.92477	17586.82	**4.92477**	**17586.82**				
Saraf Agencies Pvt Ltd			0.00100	8.33	**0.00100**	**8.33**				
Sez Dahej			0.00451	17.65	**0.00451**	**17.65**				
Sez Jamnagar (Reliance)			0.25723	1268.05	**0.25723**	**1268.05**				
Sez Mundra			12.58874	55413.11	**12.58874**	**55413.11**				
Srimantapur			0.00377	36.99	**0.00377**	**36.99**				
Tuticorin Sea			8.20350	30887.79	**8.20350**	**30887.79**	0.001480	95.07		
Visakhapatnam Sea	6.66794	82530.44	10.11494	47221.82	**16.78287**	**129752.26**	0.241661	4124.30		
Unspecified					**0.00000**	**0.00**				
TOTAL	**51.83275**	**612668.32**	**196.70383**	**914652.23**	**248.53658**	**1527320.55**	**2.874547**	**60256.67**	**0.054250**	**1074.46**

Source: DGCI & S , KOLKATA

TABLE 7.6 : PORT WISE EXPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2019-20

(Quantity in Million Tonnes & Value in Million Rs.)

Port	Coking Coal		Non-Coking Coal		Total Coal		Coke & Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	**(6)**	**(7)**	(8)	(9)	(10)	(11)
Bairgania	0.00006	0.48	0.02355	186.78	**0.02361**	**187.26**				
Barhni	0.00024	1.92	0.06173	533.25	**0.06197**	**535.17**	0.00022	2.60	0.00088	9.46
Bhimnagar			0.06506	171.23	**0.06506**	**171.23**				
Bhithamore			0.01268	101.69	**0.01268**	**101.69**				
Borsorah			0.12556	611.85	**0.12556**	**611.85**				
Chasuapara			0.00774	39.50	**0.00774**	**39.50**				
Chennai Air			0.00000	0.01	**0.00000**	**0.01**				
Chennai Sea			0.00003	2.88	**0.00003**	**2.88**	0.00002	0.23		
Darranga (Rangia)					**0.00000**	**0.00**	0.00028	6.82	0.00923	215.77
Delhi (Icd)			0.00001	0.29	**0.00001**	**0.29**				
Delhi Air					**0.00000**	**0.00**			0.00001	1.50
Galgalia			0.00752	59.66	**0.00752**	**59.66**				
Golokgans Rly.Stn			0.00453	22.94	**0.00453**	**22.94**				
Gouriphanta			0.00394	31.92	**0.00394**	**31.92**				
Hatisar (Deosiri)			0.00139	14.86	**0.00139**	**14.86**				
Hazira Port, Surat			0.00025	5.34	**0.00025**	**5.34**				
Hyderabad Airport				0.00	**0.00000**	**0.00**				
Icd Hyderabad				0.00	**0.00000**	**0.00**				
Icd Nagpur			0.00006	1.64	**0.00006**	**1.64**			0.00003	0.84
Icd Sabarmati					**0.00000**	**0.00**	0.00002	0.47		
Icd Vadodara/Baroda			0.00001	0.23	**0.00001**	**0.23**				
Jaigaon			0.00012	2.10	**0.00012**	**2.10**	0.00052	13.15	0.04297	1059.16
Jogbani			0.06439	509.07	**0.06439**	**509.07**	0.00117	11.55	0.00014	1.14
Joynagar			0.00039	2.69	**0.00039**	**2.69**				
Kolkata Air			0.00001	0.02	**0.00001**	**0.02**				
Kolkata Sea			0.00006	1.91	**0.00006**	**1.91**	0.00014	3.34		
L C S Khunwa			0.02101	165.15	**0.02101**	**165.15**	0.00018	1.46		
Laukaha, Madhubani			0.00014	0.98	**0.00014**	**0.98**				
Lcs Kamardwisa			0.01819	184.45	**0.01819**	**184.45**				
Marmagoa Sea					**0.00000**	**0.00**	0.00007	2.83	0.00004	1.38
Mumbai Air				0.00	**0.00000**	**0.00**				0.00
Mundra			0.00077	16.31	**0.00077**	**16.31**	0.00034	6.61	0.03790	1139.50
Nautanwa (Sonauli)	0.00070	6.31	0.42029	1818.82	**0.42099**	**1825.13**	0.00093	7.31	0.00009	0.92
Nepalganj			0.04002	315.70	**0.04002**	**315.70**	0.00021	1.65	0.00024	2.01
Nhava Sheva Sea			0.00013	8.50	**0.00013**	**8.50**		0.00	0.00071	43.90
Panitanki					**0.00000**	**0.00**	0.00600	41.76	0.00002	0.22
Petrapole Land	0.00018	1.08	0.01237	68.58	**0.01255**	**69.67**	0.00380	61.85	0.00029	4.34
Pipraun			0.00351	27.69	**0.00351**	**27.69**				
Raxaul Land	0.00025	1.94	0.07831	590.99	**0.07856**	**592.93**	0.00808	62.57	0.00013	0.83
Sonbarsa			0.01006	80.12	**0.01006**	**80.12**				
Sutarkandi			0.03666	177.03	**0.03666**	**177.03**				
Tikunia	0.00021	1.70	0.00006	0.49	**0.00028**	**2.19**				
Toothibari, Maharajganj			0.00752	62.10	**0.00752**	**62.10**	0.00003	0.23		
Visakhapatnam Sea			0.00008	1.88	**0.00008**	**1.88**				
Unspecified					**0.00000**	**0.00**				
TOTAL	**0.00164**	**13.43**	**1.02813**	**5818.65**	**1.02977**	**5832.07**	**0.02200**	**224.42**	**0.09266**	**2480.98**

Source: DGCI & S , KOLKATA

Section VIII

Coal Consumption – A Sectoral Perspective

8.1 Consumption 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 of 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 sulfur 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-productslike middling and rejects/slurries are obtained. Middling so obtained is mostly used in the power sector.

8.2 Contribution of coal washeries

8.2.1 We have already explained the role of washeries in coal industry. Table 8.1 provides data on coking coal washeries in India in 2019-20. It may be seen that the total capacity of the coking coal washeries was 29.84 MTA. The share of public sector was 21.98 MTA and private sector 7.86 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 2017-18, 2018-19 and 2019-20 having washed coking coal production of 5.753 MT and 5.570 MT and 5.250 MT respectively. The corresponding yield percentages were 46%, 47% and 48% 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 2019-20

Sector	Owner Company	Name of Washery	Year of Commi-ssioning	Feed Type	State	Location/ Coal field	Raw Coal Capacity (MTA)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Public	Bharat Coking Coal Ltd.	Dugda	1968	Pr. Ckg.	Jharkhand	Jharia	2.00
		Bhojudih	1962 (Expn-64)	Pr. Ckg.	West Bengal	Jharia	1.70
		Sudamdih	1981	Pr. Ckg.	Jharkhand	Jharia	1.60
		Moonidih	1983	Pr. Ckg.	Jharkhand	Jharia	1.60
		Mahuda	1990	Md. Ckg.	Jharkhand	Jharia	0.63
		Madhuband	1998	Pr. Ckg.	Jharkhand	Jharia	2.50
	Total						**10.03**
Public	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**
Public	Western Coalfields Ltd.	Nandan	1984	Md. Ckg.	M.P.	Chhindwara	1.20
Public	All Coal India Ltd.						**20.58**
Public	Steel Authority of India Ltd.	Chasnala	1969	Coking	Jharkhand	Dhanbad	1.40
Total Public							**21.98**
Private	Tata Steel Ltd.	W.Bokaro-II	1984	Md. Ckg.	Jharkhand	Ramgarh	2.50
		W.Bokaro-III	1994	Md. Ckg.	Jharkhand	Ramgarh	2.56
		Jamadoba	1957	Pr. Ckg.	Jharkhand	Jamadoba	1.30
		Bhelatand	1995	Pr. Ckg.	Jharkhand	Bhelatand	1.50
							7.86
Total Private							**7.86**
Grand Total							**29.84**

TABLE 8.2: COKING COAL WASHERY PERFORMANCE IN LAST THREE YEARS

(Quantity in Million Tonnes)

Year	Owner Company	Raw Coal Feed	Washed Coal Prod.	Yield (%) Washed Coal
(1)	(2)	(3)	(4)	(5)
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**
2017-18	BCCL	1.512	0.801	53
	CCL	3.126	1.115	36
	WCL	0.139	0.000	0
	Total CIL	**4.777**	**1.916**	**40**
	SAIL	1.217	0.660	54
	Total Public	**5.994**	**2.576**	**43**
	TSL (Private)	6.512	3.177	49
	Total Private	**6.512**	**3.177**	**49**
	Grand Total	**12.506**	**5.753**	**46**

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 2019-20

Sector	Owner Company	Name of Washery	Year of Commi-ssioning	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
		Kargali	1958	Non-Coking	Jharkhand	Bokaro	2.72
							11.72
	All Coal India Ltd.						**11.72**
Total Public							**11.72**
Private	ADANI ENTERPRISES LTD.	AEL	2012-13	Non-Coking	Chhatisgarh	Parsa	15.00
	ARYAN COAL BENEFICATION (INDIA) LTD.	CHAKABURA	2004	Non-Coking	Chhatisgarh	Korba	7.50
		DIPKA	1999-2000	Non-Coking	Chhatisgarh	Korba	14.00
		PANDER PAUNI	2003-04	Non-Coking	Maharashtra	Bollarpur	2.62
		GEVRA	2007-08	Non-Coking	Chhatisgarh	Korba	6.25
		BINJHRI	2010-11	Non-Coking	Chhatisgarh	Korba	4.80
		HEMGIR	2011-12	Non-Coking	Orissa	Hemgir	5.00
		RATIJA	1999	Non-Coking	Chhatisgarh	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	Ramagundar	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	Chhatisgarh	Raigarh	4.75
	KARTIKAY COAL WASHERIES PVT LTD	WANI	2005-06	Non-Coking	Maharashtra	Wardha	2.50
	MARUTI CLEAN COAL	MARUTI	2015	Non-Coking	Chhatisgarh		6.60
Total Private							**101.88**
Grand Total							**113.60**

TABLE 8.4: PERFORMANCE OF NON COKING COAL WASHERIES IN INDIA FOR LAST THREE FINANCIAL YEARS

(Quantity in Million Tonnes)

Year	Company	Raw Coal Feed	Washed Coal Production	Yield (%)
(1)	(2)	(3)	(4)	(5)
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 BENEFICATION PVT.LTD.	22.673	18.003	79.40
	ARYAN ENERGY PVT. LTD.	1.940	1.426	73.50
	GLOBAL COAL & MINING PVT. LTD.	4.185	2.790	66.65
	JINDAL POWER LIMITED	0.414	0.372	89.92
	KARTIKAY COAL WASHERIES PVT. LTD.	0.126	0.089	71.01
	MARUTI CLEAN COAL	1.015	0.933	91.92
	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 BENEFICATION PVT.LTD.	18.006	14.612	81.15
	ARYAN ENERGY PVT. LTD.	1.410	1.115	79.09
	GLOBAL COAL & MINING PVT. LTD.	5.220	3.392	64.98
	JINDAL POWER LIMITED	0.075	0.068	90.31
	KARTIKAY COAL WASHERIES PVT. LTD.	0.142	0.102	71.76
	MARUTI CLEAN COAL	0.214	0.171	80.10
	SPECTRUM COAL & POWER LTD.	12.431	9.841	79.17
	Total Private	**52.497**	**41.281**	**78.64**
	Grand Total	**59.266**	**47.912**	**80.84**
2017-18	CCL	6.283	6.077	96.72
	Total CIL	**6.283**	**6.077**	**96.72**
	Total Public	**6.283**	**6.077**	**96.72**
	ADANI ENTERPRISES LTD.	8.329	7.143	85.77
	ARYAN COAL BENEFICATION PVT.LTD.	14.092	11.587	82.22
	ARYAN ENERGY PVT. LTD.	1.062	0.727	68.44
	GLOBAL COAL & MINING PVT. LTD.	3.819	2.436	63.78
	JINDAL POWER LIMITED	0.701	0.507	72.26
	KARTIKAY COAL WASHERIES PVT. LTD.	0.045	0.032	70.68
	SPECTRUM COAL & POWER LTD.	11.837	9.293	78.51
	Total Private	**39.885**	**31.724**	**79.54**
	Grand Total	**46.168**	**37.801**	**81.88**

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.

TABLE 8.5: ALL INDIA INSTALLED GENERATING CAPACITY (MW)

Plan / Year	Modewise Breakup								Grand Total
	Hydro	Thermal					Nuclear	Renewable Energy Sources	
		Coal	Lignite	Gas	Diesel	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
31.03.2010 (Utilities+Non-Utilities)	36918	101381		21424	10657	**133462**	4560	15975	**190915**
Utilities	36863	84198		17056	1200	**102454**	4560	15521	**159398**
Non-Utilities	55	17183		4368	9457	**31008**	0	454	**31517**
31.03.2011 (Utilities+Non-Utilities)	37624	113030		22760	10855	**146645**	4780	19021	**208070**
Utilities	37567	93918		17706	1200	**112824**	4780	18455	**173626**
Non-Utilities	57	19112		5054	9655	**33821**	0	566	**34444**
31.03.2012 (Utilities+Non-Utilities)	39038	134638		24266	11155	**170059**	4780	25376	**239253**
Utilities	38990	112022		18381	1200	**131603**	4780	24504	**199877**
Non-Utilities	48	22616		5885	9955	**38456**	0	872	**39376**
31.03.2013 (Utilities+Non-Utilities)	39558	154111		24608	12348	**191066**	4780	28666	**264070**
Utilities	39491	130221		20110	1200	**151531**	4780	27542	**223344**
Non-Utilities	67	23890		4498	11148	**39535**	0	1124	**40726**
31.03.2014 (Utilities+Non-Utilities)	40595	170025		26533	12632	**209190**	4780	32951	**288021**
Utilities	40531	145273		21782	1200	**168255**	4780	31692	**245258**
Non-Utilities	64	24752		4751	11432	**40935**	0	1259	**42763**
31.03.2015 (Utilities+Non-Utilities)	41332	190725		28255	13209	**232189**	5780	37078	**316379**
Utilities	41267	164636		23062	1200	**188898**	5780	35777	**271722**
Non-Utilities	65	26089		5193	12009	**43291**	0	1301	**44657**
31.03.2016 (Utilities+Non-Utilities)	42843	213861		30328	13340	**257529**	5780	47292	**353442**
Utilities	42784	185173		24509	993	**210675**	5780	45924	**305163**
Non-Utilities	59	28688		5819	12347	**46854**	0	1368	**48279**
31.03.2017 (Utilities+Non-Utilities)	44544	222735		31438	14188	**268361**	5780	58677	**378362**
Utilities	44479	192163		25329	838	**218330**	6780	57244	**326833**
Non-Utilities	65	30572		6109	13350	**50031**	0	1433	**51529**
31.03.2018 (Utilities+Non-Utilities)	45344	230026		32053	13983	**276062**	5780	70748	**398934**
Utilities	45293	197172		24897	838	**222907**	6780	69022	**344002**
Non-Utilities	51	32854		7156	13145	**53155**	0	1726	**54932**
31.03.2019 (Utilities+Non-Utilities)	45447	235538	6260	32690	14123	**288611**	5780	79523	**420361**
Utilities	45399	200705	6260	24937	638	**232540**	6780	77642	**362361**
Non-Utilities	48	34833		7753	13485	**56071**	0	1881	**58000**
31.03.2020 (Utilities+Non-Utilities)	45699	198525	6610	24955	510	**230600**	6780	87028	**370107**
Utilities	45699	198525	6610	24955	510	**230600**	6780	87028	**370107**
Non-Utilities	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note:

i) The Installed Capacity includes allocated shares in State, Private, Central, and Joint Sector Utilities.

ii) Renewable Energy Sources includes Small Hydro Power, Wind Power, Bio-Power, and Solar Power

Source : Central Electricity Authority

Table 8.6: Electricity Gross Generation by Prime movers (GWh)

Year	Sector	Hydro	Thermal Electricity				Nuclear	Renewable Energy Sources	Grand Total
			Coal/Lignite based	Gas based	Diesel etc.	Total			
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	(8)	(9)	**(10)**
2010-11	Utilities	114416	561298	100342	42426	**704066**	26266		**844748**
	Non Utilities	149	96657	15435	8676	**120768**	0		**120917**
	Total	114565	657955	115777	51102	**824834**	26266		**965665**
2011-12	Utilities	130511	612497	93281	53875	**759653**	32287		**922451**
	Non Utilities	131	104863	21972	7422	**134257**	0		**134388**
	Total	130642	717360	115253	61297	**893910**	32287		**1056839**
2012-13	Utilities	113720	691341	66664	59897	**817902**	32866		**964488**
	Non Utilities	118	113167	20769	9956	**143892**	0		**144010**
	Total	113838	804508	87433	69853	**961794**	32866		**1108498**
2013-14	Utilities	134848	745533	44522	67518	**857573**	34228		**1026649**
	Non Utilities	129	118178	19912	10769	**148859**	0		**148988**
	Total	134977	863711	64434	78287	**1006432**	34228		**1175637**
2014-15	Utilities	129244	835291	41075	75139	**951505**	36102		**1116851**
	Non Utilities	145	128401	21135	12376	**161912**	0		**162057**
	Total	129389	963692	62210	87515	**1113417**	36102		**1278908**
2015-16	Utilities	121377	895340	47122	557	**943019**	37414	65781	**1167591**
	Non Utilities	110	136721	21083	8412	**166216**	0	2046	**168372**
	Total	121487	1032061	68205	8969	**1109235**	37414	67827	**1335963**
2016-17	Utilities	122378	944022	49094	401	**993517**	37916	81548	**1235359**
	Non Utilities	144	137588	22855	9182	**169625**	0	2277	**172046**
	Total	122522	1081610	71949	9583	**1163142**	37916	83825	**1407405**
2017-18	Utilities	126123	986591	50208	348	**1037147**	38346	101839	**1303455**
	Non Utilities	112	143868	25362	8107	**177337**	0	2328	**179777**
	Total	126235	1130459	75570	8455	**1214484**	38346	104167	**1483232**
2018-19	Utilities	134894	1022265	49834	215	**1072314**	37813	126759	**1371780**
	Non Utilities	97	141137	23785	7723	**172645**	0	2258	**175000**
	Total	134991	1163402	73619	7938	**1244959**	37813	129017	**1546780**
2019-20	Utilities	155769	994197	48443	199	**1042839**	46472	138337	**1383417**
	Non Utilities	NA	NA	NA	NA	NA	NA	NA	NA
	Total	155769	994197	48443	199	**1042839**	46472	138337	**1383417**

Source : Central Electricity Authority.

Table 8.7 : Cement and Clinker - Capacity, Production (Mill.Tons.) and Capacity Utilisation by Large Cement Plants

Year	All India/ State	Capacity (Mill. Tonnes)	Clinker		Cement Production	Capacity Utilisation(%)
			Production	Ground		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2001-02	All India	134.94	88.24	85.92	102.40	79
2002-03	All India	139.38	97.29	91.71	111.35	81
2003-04	All India	145.95	102.68	94.94	117.50	82
2004-05	All India	153.60	109.42	101.74	127.57	84
2005-06	All India	160.00	116.34	110.55	141.81	90
2006-07	All India	167.79	121.75	117.52	155.64	94
2007-08	All India	198.10	129.73	124.19	168.31	94
2007-08	All India	198.10	129.73	124.19	168.31	94
2008-09	All India	221.44	138.78	133.70	181.60	88
2009-10	All India	222.60	128.25	121.21	160.75	83
2010-11	All India	238.40	132.70	126.54	169.00	76
2011-12	All India	244.04	137.23	134.15	180.01	75
2012-13	All India	Data not available from Cement Manufacturers Association of India.				
2013-14	All India					
2014-15	All India					
2015-16	All India					
2016-17	All India					
2017-18	All India					
2018-19	All India					
2019-20	All India					

Source : Cement Manufacturers' Association

TABLE 8.8: CONSUMPTION OF COAL AND FUEL IN CEMENT SECTOR FROM 2002-03 TO 2019-20

(Quantities are in Million Tonnes)

Year	Coal Receipt				Pet coke/ Lignite Purchase	Annual Fuel Procure- ment	Consumption					Annual Fuel Consump- tion	Cement Production	Fuel cement Ratio** (%)	Fuel Clinker Ratio** (%)
	Against Linkage	From Market	Imported*	Total			Coal for Kilns	Lignite	Pet Coke	Total	CPP				
(1)	(2)	(3)	(4)	**(5)**	(6)	(7)	(8)	(9)	(10)	**(11)**	(12)	(13)	(14)	(15)	(16)
2002-03	12.35	0.77	3.66	**16.78**	1.09	17.87	14.17	0.00	1.09	**15.26**	2.57	17.83	111.35	13.70	15.69
2003-04	13.34	1.03	3.18	**17.55**	1.52	19.07	14.20	0.11	1.41	**15.72**	3.22	18.94	117.50	13.38	15.31
2004-05	14.84	1.27	3.63	**19.74**	2.63	22.37	14.92	0.79	1.87	**17.58**	3.63	21.21	127.57	13.73	16.06
2005-06	14.81	1.55	3.40	**19.76**	2.98	22.74	15.10	0.82	2.16	**18.08**	4.31	22.39	141.81	12.75	15.54
2006-07	14.43	2.94	4.96	**22.33**	2.92	25.25	16.82	0.83	2.09	**19.74**	5.28	25.02	155.66	12.68	16.00
2007-08	14.56	5.00	6.08	**25.64**	3.20	28.84	17.99	0.93	2.27	**21.19**	6.14	27.33	168.31	12.59	16.34
2008-09	14.29	6.17	6.97	**27.43**	2.77	30.20	19.16	0.36	2.41	**21.93**	7.64	29.57	181.60	12.07	15.80
2009-10	10.79	4.36	6.95	**22.10**	4.15	26.25	15.93	0.11	2.86	**18.90**	6.90	25.80	160.75	11.80	14.70
2010-11	11.91	4.99	8.52	**25.42**	3.54	28.96	17.63	0.19	1.92	**19.74**	8.50	28.24	168.29	11.73	14.98
2011-12	10.45	4.51	9.39	**24.35**	5.45	29.80	14.14	0.75	4.70	**19.59**	8.71	28.30	180.01	10.88	14.28
2012-13	10.38	3.93	9.27	**23.58**	5.18	29.82	12.28	1.06	5.18	**18.52**	8.55	27.07	248.23	N. A.	N. A.
2013-14	9.22	3.92	9.08	**22.22**	5.96	29.93	12.81	1.75	5.96	**20.52**	8.33	28.85	255.83	N. A.	N. A.
2014-15	7.71	3.52	10.88	**22.11**	6.14	29.95	13.21	1.70	6.14	**21.05**	8.52	29.57	270.24	N. A.	N. A.
2015-16	7.06	2.71	10.51	**20.28**	9.42	29.70	11.28	1.04	8.38	**20.70**	8.34	29.04	283.23	N. A.	N. A.
2016-17	5.31	3.46	8.47	**17.24**	11.05	28.29	10.62	0.07	10.57	**21.26**	7.28	28.54	-	N. A.	N. A.
2017-18	5.85	3.26	7.66	**16.77**	11.67	28.44	8.88	0.77	10.90	**20.55**	7.01	27.56	-	N. A.	N. A.
2018-19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2019-20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* The data is as provided by CMA only in respect of its Member Companies.

** The ratio mainly relates to Dry process.

Source: Cement Manufacturers' Association.

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 and 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 four coal blocks for UMPPs, namely, Chhatrasal coal block cancelled on 07.05.2015 and Meenakshi, Meenakshi B and Dip side of Meenakshi blocks of UMPP cancelled on 15.12.2015. As such as on date 10 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. Thus, total number of blocks stand allocated from 25.09.2014 to 31.03.2015 was 52 [42 + 10 earlier coal blocks].

9.1.4 In 2017-18 CMDPA of 5 captive coal blocks have been terminated.

9.1.5 Under the "Auction by Competitive Bidding Rules, 2012", 11 regionally explored coal blocks have been allotted to Central/State Government companies.

9.1.6 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.

9.1.7 Therefore, as on 31.03.2020, the number of coal blocks that exists is 105 (vested/ allotted - 82 + Custodian – 08 + Under Auction by Competitive Bidding Rules, 2012 – 11 and blocks not cancelled – 04).

9.1.8 The number of lignite blocks that stands allocated as on 31.03.2020, is 23.

Table 9.1: Summary Of Allocation Of Coal Blocks Stand Allocated/ Vested/Under Custodian/Allotted Under Auction By Competitive Bidding Rules, 2012 & Lignite Blocks Stand Allocated During 2019-20

Sector	End Use	No of blocks	Geological/Extractable Reserves (Qty. in MT)
(1)	(2)	(3)	(4)
A. COAL BLOCKS			
Public Sector Undertakings	Power	54	13792.13
	Commercial Mining	20	2147.20
	NRS	4	475.41
	UMPP	0	100.00
	TOTAL	**78**	**16414.74**
Private Companies	Power	7	388.730
	UMPP	2	575.00
	NRS	18	351.06
	TOTAL	**27**	**1314.79**
ALL INDIA	Power	61	14180.8628
	Commercial Mining	20	2147.20
	UMPP	2	575.00
	NRS	22	826.47
	TOTAL	**105**	**17729.5348**
B. LIGNITE BLOCKS			
State PSU	Power	11	1093.94
	Commercial	10	408.93
	Subtotal	**21**	**1502.87**
Private	Power	1	44.66
	Commercial	1	7.80
	Subtotal	**2**	**52.46**
ALL INDIA	**Power**	**12**	**1138.60**
	Commercial	**11**	**416.73**
	Grand Total	**23**	**1555.33**

*In addition to the above, two captive coal blocks viz., Baisi & Jilga-Barpali were allocated to CSPGCL, details of which are not available in this office right now.

Note.

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks (including some newly Allotted coal blocks), original GR have been shown as per available data.

Table 9.2: Yearwise and Sectorwise Allotment of Captive Coal Blocks stand allocated/vested/Under Custodian including blocks allotted under auction by Competitive Bidding Rules, 2012 during 2019-20

(GR in Million Tonnes)

Year of Allotment	Power		Ultra Mega Power Project		NRS		Govt. Commmercial		Total	
	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	**(10)**	**(11)**
1996					1	251.880			**1**	**251.880**
1998									**0**	**0.000**
2004	1	1436.000							**1**	**1436.000**
2006			2	575.000					**2**	**575.000**
2007			0	0.000					**0**	**0.000**
2008			0	0.000					**0**	**0.000**
2009			0	0.000					**0**	**0.000**
2010			0	0.000					**0**	**0.000**
2015	47	8790.110			17	332.130	7	364.863	**71**	**9487.103**
2016	9	3561.153			4	242.460	8	1531.948	**21**	**5335.561**
2017	1	393.600							**1**	**393.600**
2018							2	250.391	**2**	**250.391**
2019							3	NA	**3**	**NA**
2020	3	NA	0	0.000	0	0.000	0	NA	**3**	**NA**
Total	**61**	**14180.863**	**2**	**575.000**	**22**	**826.470**	**20**	**2147.202**	**105**	**17729.535**

Note.

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks (including some newly Allotted coal blocks), original GR have been shown as per available data.

Table 9.3: Statewise and Sectorwise Allotment of Captive Coal Blocks stand allocated/vested/ Under Custodian including blocks allotted under auction by Competitive Bidding Rules, 2012 during 2019-20

(GR in Million Tonnes)

State	Power		Ultra Mega Power Project		NRS		Govt. Commmercial		Total	
	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Arunachal Pradesh							1	4.790	**1**	**4.790**
Telengana	1	45.360					1	110.870	**2**	**156.230**
Chhattisgarh	14	4116.550	0	0.000	4	119.070	5	625.038	23	**4860.658**
Jharkhand	16	5075.153	0	0.000	9	451.170	6	450.391	31	**5976.714**
Maharashtra	7	430.350	0	0.000	4	31.120	1	11.540	**12**	**473.010**
Madhya Pradesh	3	995.880	2	575.000	2	34.810	3	152.673	**10**	**1758.363**
Orissa	10	3188.290	0	0.000	2	171.370	2	660.900	**14**	**4020.560**
West Bengal	10	329.280	0	0.000	1	18.930	1	131.000	**12**	**479.210**
Total	**61**	**14180.863**	**2**	**575.000**	**22**	**826.470**	**20**	**2147.202**	**105**	**17729.535**

Note.

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks (including some newly Allotted coal blocks), original GR have been shown as per available data.

Table 9.4 : List of Coal Blocks Under Custodian during 2019-20

Sl.No.	Block allocated	No. of blocks	State where the block is located	Geological/ Extractable Reserves (in MT)	Name of the party	Type of Company (PSU(S)/ PSU(C)/ Private	End–Use Plant
(1)	(2)	(3)	(4)	(5)	(7)	(8)	(9)
1	Namchik Namphuk	1	ArP	4.79	Chairman, CIL (Custodian)	PSU(C)	Commercial
TOTAL ARUNACHAL PRADESH		**1**		**4.79**			
2-3	Gare-Palma-IV/2 & IV/3	2	CH	178.86	Chairman, CIL (Custodian)	PSU(C)	Commercial
4	Gare-Palma-IV/1	1	CH	158.00	Chairman, CIL (Custodian)	PSU(C)	Commercial
TOTAL CHHATTISGARH		**3**		**336.86**			
5	Marki Mangli-II	1	MH	11.54	Chairman, CIL (Custodian)	PSU(C)	Commercial
TOTAL MAHARASHTRA		**1**		**11.54**			
6	Gotitoria (East)	1	MP	5.146	Chairman, CIL (Custodian)	PSU(C)	Commercial
7	Gotitoria (West)	1	MP	6.527	Chairman, CIL (Custodian)	PSU(C)	Commercial
TOTAL MADHYAPRADESH		**2**		**11.673**			
8	Parbarpur Central	**1**	JH	52.16	Chairman, CIL (Custodian	PSU(C)	NRS
TOTAL JHARKHAND		**1**		**52.16**			
TOTAL		**8**		**417.023**			

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in

Table 9.5: Coal Blocks allotted under Auction by competitive Bidding Rules, 2012 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 (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
ALL TOTAL				**11**			**4054.84**	

TABLE 9.6: LIST OF COAL BLOCKS NOT CANCELLED BY HON'BLE SUPREME COURT

Sl.No.	Block allocated	No. of blocks	State where the block is located	Geo-logical Reserves (in MT)	Date of Allotment	Name of the party	Type of Company (PSU(S)/ PSU©/ Private	End –Use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Pakri-Barwadih	1	JH	1436.00	11.10.04	NTPC	PSU(C)	Power
TOTAL JHARKHAND POWER		**1**		**1436.00**				
2	Tasra	1	JH	251.88	26.02.96	Steel Authority of India Ltd.	PSU(C)	NRS
TOTAL JHARKHAND NRS		**1**		**251.88**				
3-4	Moher, Moher-Amlori Extn.	2	MP	575.00	13.09.06	Power Finance Corporation Sasan UMPP	P	UMPP
TOTAL MADHYAPRADESH UMPP		**2**		**575.00**				
TOTAL		**4**		**2262.880**				

Note: GR quantities are GR value as available with this office (as per MP/Status Report/Allocation letter etc.) and subject to change for few blocks with approval of Mine Plan.

Table 9.7 : Statewise list of Captive Coal Blocks Stand Vested/Allocated during 2019-20

Sl.No.	Block allocated	Schedule	No. of blocks	State where the block is located	Extractable Reserves (In Million Tonnes)	Date of Allotment	Mode of allocation	Name of the party	Type of Company (PSU(S)/PSU©/private	End –Use Plant	Remarks (Gr Taken From)
(1)	(2)	(3)	(4)	(5)	(6)	(8)	(9)	(10)	(11)	(12)	(13)
1	Tadicherla-I	III	1	Telangana	45.36	31.08.15	Allotted	Telengana State Power Generation Corpn. Ltd.	PSU(S)	Power	
TOTAL TELANGANA POWER			**1**		**45.36**						
2	Penagaddppa		1	Telangana	110.87	15.12.16	Allotted	M/s. Singareni Collieries Co. Ltd.	PSU(C)	Commercial	
TOTAL TELANGANA COMMERCIAL			**1**		**110.87**						
3	Gare Palma Sector-I	III	1	CH	194.00	14.09.15	Allotted	Gujarat State Electricity Corporation Limited	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
4	Talaipalli	III	1	CH	861.25	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power	Mp (February, 2010) Mineable Reserves/Extractable :- Opencast - 843.68, Underground - 17.57(Also From The List Of Newly Allocated 75 Coal Blocks As Received From Moc)
5-6	Gidhmuri & Paturia	III	2	CH	257.83	13.10.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
7	Parsa	III	1	CH	184.26	08.09.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
8	Gare Pelma Sector II	III	1	CH	655.15	31.08.15	Allotted	Maharashtra State Power Generation Co Ltd	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
9-10	Parsa East & Kanta Basan	II	2	CH	450.97	31.03.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
11	Gare Palma Sector-III	III	1	CH	134.09	14.09.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
12-13.	Durgapur-II/Taraimar & Durgapur-II/Sarya		2	CH	NA	31.12.19	Allotted	Karnataka Power Corporation Ltd	PSU(S)	Power	
TOTAL CHHATTISGARH POWER			**11**		**2737.550**						
14	Madanpur South		1	CH	175.238	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corp. Ltd.	PSU(S)	Commercial	
TOTAL CHHATTISGARH COMMERCIAL			**1**		**175.238**						
15	Gare-Palma- IV/4	II	1	CH	12.30	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS	From the list of newly allocated 75 Coal Blocks as received from MOC
16	Gare-Palma-IV/5	II	1	CH	42.43	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS	From The List Of Newly Allocated 75 Coal Blocks As Received From Moc
17	Chotia	II	1	CH	18.49	23.03.15	Vested	Bharat Aluminium Company Ltd.	P	NRS	From the list of newly allocated 75 Coal Blocks as received from MOC
18	Gare Palma IV/8	III	1	CH	45.85	22.04.15	Vested	Ambuja Cements Ltd.	P	NRS	From The List Of Newly Allocated 75 Coal Blocks As Received From Moc
TOTAL CHHATTISGARH NRS			**4**		**119.07**						
19	Tokisud North	II	1	JH	51.97	23.03.15	Vested	Essar Power MP Ltd.	P	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
20	Jitpur	III	1	JH	65.54	22.04.15	Vested	Adani Power Ltd.	P	Power	
21	Ganeshpur	III	1	JH	91.80	22.04.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power	
22-23	Chatti Bariatu, Chatti Bariatu South	III	2	JH	390.96	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
24	Saharpur Jamarpani	III	1	JH	524.00	13.08.15	Allotted	UP Rajya Vidyut Utpadan Nigam Ltd.	PSU(C)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
25	Pachwara Central	II	1	JH	239.75	31.03.15	Allotted	Punjab State Power Corp. Ltd.	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
26	Badam	III	1	JH	90.50	31.08.15	Allotted	Bihar State Power Generation Co. Ltd.	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC

Contd.....

Table 9.7 : Statewise list of Captive Coal Blocks Stand Vested/Allocated during 2019-20

Sl.No.	Block allocated	Schedule	No. of blocks	State where the block is located	Extractable Reserves (In Million Tonnes)	Date of Allotment	Mode of allocation	Name of the party	Type of Company (PSU(S)/PSU©/private	End –Use Plant	Remarks (Gr Taken From)
(1)	(2)	(3)	(4)	(5)	(6)	(8)	(9)	(10)	(11)	(12)	(13)
27	Pachwara North	II	1	JH	392.75	31.03.15	Allotted	WBPDCL	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
28	Rajbar E & D	III	1	JH	526.05	30.06.15	Allotted	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
29	Banhardih	III	1	JH	553.00	30.06.15	Allotted	Jharkhand Urja Utpadan Nigam Ltd.	PSU(S)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
30	Kerandari	III	1	JH	142.01	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power	From the list of newly allocated 75 Coal Blocks as received from MOC
31	Tubed	III	1	JH	189.8228	08.06.16	Allotted	Damodar Valley Corporation Ltd.	PSU(C)	Power	
TOTAL JHARKHAND POWER			**13**		**3258.1528**						
32	Patal East		1	JH	200.00	29.09.16	Allotted	Jharkhand Mineral Development Corporation Ltd.	PSU(S)	Commercial	
33-34	Kotre Basantpur & Pachmo		2	JH	250.391	19.04.18	Allotted	Coal India Ltd.	PSU(C)	Commercial	
35	Amarkonda Murgadangal		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial	
36	Brahmini		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial	
37	Chichro Patsimal		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial	
TOTAL JHARKHAND COMMERCIAL			**6**		**450.391**						
38	Moitra	III	1	JH	29.91	22.04.15	Vested	JSW Steel Ltd.	P	NRS	From the list of newly allocated 75 Coal Blocks as received from MOC
39-40	Brinda & Sasai	III	2	JH	25.40	22.04.15	Vested	Usha Martin Ltd	P	NRS	From the list of newly allocated 75 Coal Blocks as received from MOC
41	Meral	III	1	JH	12.67	22.04.15	Vested	Trimula Industries Ltd.	P	NRS	From the list of newly allocated 75 Coal Blocks as received from MOC
42	Lohari	III	1	JH	9.05	22.04.15	Vested	Araanya Mines Private Ltd.	P	NRS	From the list of newly allocated 75 Coal Blocks as received from MOC
43	Kathautia	II	1	JH	23.96	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS	From the list of newly allocated 75 Coal Blocks as received from MOC
44	Dumri	III	1	JH	46.14	22.04.15	Vested	Hindalco Industries Ltd.	P	NRS	From the list of newly allocated 75 Coal Blocks as received from MOC
TOTAL JHARKHAND NRS			**7**		**147.13**						
45-50	Baranj – I, II, III, IV, Kiloni & Manora Deep	II	6	MH	90.35	31.03.15	Allotted	Karnataka Power Corporation Ltd	PSU(S)	Power	
TOTAL MAHARASHTRA POWER			**6**		**90.35**						
51	Marki Mangli III	II	1	MH	3.58	17.04.15	Vested	B.S. Ispat Ltd.	P	NRS	
52	Nerad Malegaon	III	1	MH	10.62	22.04.15	Vested	Indrajit Power Pvt. Ltd.	P	NRS	
53	Marki Mangli-I	II	1	MH	9.78	30.09.15	Vested	Topworth Urja and Metals Ltd.	P	NRS	
54	Belgaon	II	1	MH	7.14	23.03.15	Vested	Sunflag Iron and Steel Co. Ltd	P	NRS	
TOTAL MAHARASHTRA NRS			**4**		**31.12**						
55	Amelia	I	1	MP	393.60	17.01.17	Allotted	THDC India Limited (JV of Govt. of India & Govt. of U.P.)	PSU(C)	Power	
56	Amelia (North)	II	1	MP	70.28	23.03.15	Vested	Jaiprakash Power Ventures Ltd.	P	Power	
TOTAL MADHYAPRADESH POWER			**2**		**463.88**						
57	Sial Ghogri	II	1	MP	5.69	23.03.15	Vested	Reliance Cement Company Pvt. Ltd.	P	NRS	
58	Bicharpur	II	1	MP	29.12	23.03.15	Vested	UltraTech Cement Ltd.	P	NRS	
TOTAL MADHYAPRADESH NRS			**2**		**34.81**						
59	Suliyari		1	MP	141.00	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corporation Ltd.	PSU(S)	Commercial	
TOTAL MADHYAPRADESH COMMERCIAL			**1**		**141.00**						
60	Talabira-I	II	1	Orissa	10.79	23.03.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power	
61	Dulanga	III	1	Orissa	152.05	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power	
62-63	Manoharpur & Dipside of Manoharpur	III	2	Orissa	152.12	31.08.15	Allotted	Odisha Coal & Power Ltd.	PSU(S)	Power	
64	Naini	III	1	Orissa	270.00	13.08.15	Allotted	The Singareni Collieries Co. Ltd.	PSU(C)	Power	

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Table 9.7 : Statewise list of Captive Coal Blocks Stand Vested/Allocated during 2019-20

Sl.No.	Block allocated	Schedule	No. of blocks	State where the block is located	Extractable Reserves (In Million Tonnes)	Date of Allotment	Mode of allocation	Name of the party	Type of Company (PSU(S)/PSU©/private	End –Use Plant	Remarks (Gr Taken From)
(1)	(2)	(3)	(4)	(5)	(6)	(8)	(9)	(10)	(11)	(12)	(13)
65	Talabira II & III	I	1	Orissa	152.33	02.05.16	Allotted	Neyveli Lignite Corporation Ltd.	PSU(C)	Power	
66	Mandakini B	I	1	Odisha	1200.00	15.09.15	Allotted	NTPC Ltd.	PSU(C)	Power	
67	Mandakini		1	Odisha	NA	31.12.19	Allotted	KPCL	PSU|(S)	Power	
TOTAL ODISHA POWER			**8**		**1937.29**						
68-69	Utkal E & D	III	2	Orissa	171.370	02.05.16	Allotted	NALCO	PSU(C)	NRS	
TOTAL ODISHA NRS			**2**		**171.370**						
70	Baitarni West	I	1	Orissa	602.00	29.09.16	Allotted	Odisha Mining Corporation Ltd.	PSU(S)	Commercial	
TOTAL ODISHA COMMERCIAL			**1**		**602.00**						
71	Trans Damodar	II	1	WB	47.32	23.03.15	Vested	The Durgapur Projects Ltd.	P	Power	
72	Sarshatolli	II	1	WB	51.03	23.03.15	Vested	CESC Ltd.	P	Power	
73	Barjora (North)	II	1	WB	56.57	31.03.15	Allotted	WBPDCL	PSU(C)	Power	
74	Khagra Joydev	II	1	WB	103.80	31.03.15	Allotted	Damodar Valley Corporation	PSU(C)	Power	
75-76	Tara (East) and Tara (West)	II	2	WB	11.06	31.03.15	Allotted	WBPDCL	PSU(S)	Power	
77-78	Gangaramchak & Gangaramchak Bhadulia	II	2	WB	11.05	31.03.15	Allotted	WBPDCL	PSU(S)	Power	
79	Barjora	II	1	WB	1.45	31.03.15	Allotted	WBPDCL	PSU(S)	Power	
80	Kasta East	III	1	WB	47.00	16.05.16	Allotted	WBPDCL	PSU(S)	Power	
TOTAL WEST BENGAL POWER			**10**		**329.28**						
81	Ardhagram	II	1	WB	18.93	14.07.16	Vested	OCL IRON AND STEEL LTD.	P	NRS	
TOTAL WEST BENGAL NRS			**1**		**18.930**						
82	Gourangdih ABC		1	WB	131.00	29.09.16	Allotted	West Bengal Mineral Development & Trading Corp. Ltd.	PSU(S)	Commercial	
TOTAL WEST BENGAL COMMERCIAL			**1**	**WB**	**131.00**						
ALL INDIA TOTAL			**82**		**10994.792**						

Note.

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks (including some newly Allotted coal blocks), original GR have been shown as per available data.

Table 9.8: Sectorwise List of Captive Coal Blocks stand Vested/Allocated during 2019-20

Sl.No.	Block allocated	Schedule	No. of blocks	State where the block is located	Extractable Reserves (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)	(11)
1	Gare Palma IV/4	II	1	CH	12.30	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
2	Gare Palma IV/5	II	1	CH	42.43	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
3	Chotia	II	1	CH	18.49	23.03.15	Vested	Bharat Aluminium Company Ltd.	P	NRS
4	Gare Palma IV/8	III	1	CH	45.85	22.04.15	Vested	Ambuja Cements Ltd.	P	NRS
5	Moitra	III	1	JH	29.91	22.04.15	Vested	JSW Steel Ltd.	P	NRS
6-7	Brinda & Sasai	III	2	JH	25.40	22.04.15	Vested	Usha Martin Ltd	P	NRS
8	Meral	III	1	JH	12.67	22.04.15	Vested	Trimula Industries Ltd.	P	NRS
9	Lohari	III	1	JH	9.05	22.04.15	Vested	Araanya Mines Private Ltd.	P	NRS
10	Kathautia	II	1	JH	23.96	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
11	Dumri	III	1	JH	46.14	22.04.15	Vested	Hindalco Industries Ltd.	P	NRS
12	Marki Mangli III	II	1	MH	3.58	17.04.15	Vested	B.S. Ispat Ltd.	P	NRS
13	Nerad Malegaon	III	1	MH	10.62	22.04.15	Vested	Indrajit Power Pvt. Ltd.	P	NRS
14	Marki Mangli-I	II	1	MH	9.78	30.09.15	Vested	Topworth Urja and Metals Ltd.	P	NRS
15	Belgaon	II	1	MH	7.14	23.03.15	Vested	Sunflag Iron and Steel Co. Ltd	P	NRS
16	Sial Ghogri	II	1	MP	5.69	23.03.15	Vested	Reliance Cement Company Pvt. Ltd.	P	NRS
17	Bicharpur	II	1	MP	29.12	23.03.15	Vested	UltraTech Cement Ltd.	P	NRS
18	Ardhagram	II	1	WB	18.93	14.07.16	Vested	OCL Iron And Steel Ltd.	P	NRS
TOTAL PRIVATE NRS			**18**		**351.06**					
19	Amelia (North)	II	1	MP	70.28	23.03.15	Vested	Jaiprakash Power Ventures Ltd.	P	Power
20	Tokisud North	II	1	JH	51.97	23.03.15	Vested	Essar Power MP Ltd.	P	Power
21	Jitpur	III	1	JH	65.54	22.04.15	Vested	Adani Power Ltd.	P	Power
22	Ganeshpur	III	1	JH	91.80	22.04.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
23	Talabira-I	II	1	OR	10.79	23.03.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
24	Trans Damodar	II	1	WB	47.32	23.03.15	Vested	The Durgapur Projects Ltd.	P	Power
25	Sarshatolli	II	1	WB	51.03	23.03.15	Vested	CESC Ltd.	P	Power
TOTAL PRIVATE POWER			**7**		**388.73**					
26-27	Utkal E & D	III	2	OR	171.37	02.05.16	Allotted	NALCO	PSU(C)	NRS
TOTAL PSU NRS			**2**		**171.37**					
28	Tubed	III	1	JH	189.82	08.06.16	Allotted	Damodar Valley Corporation	PSU(C)	Power
29	Talaipalli	III	1	CH	861.25	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
30-31	Chatti Bariatu, Chatti Bariatu South	III	2	JH	390.96	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
32	Saharpur Jamarpani	III	1	JH	524.00	13.08.15	Allotted	UP Rajya Vidyut Utpadan Nigam Ltd.	PSU(C)	Power
33	Dulanga	III	1	OR	152.05	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power

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Table 9.8: Sectorwise List of Captive Coal Blocks stand Vested/Allocated during 2019-20

Sl.No.	Block allocated	Schedule	No. of blocks	State where the block is located	Extractable Reserves (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)	(11)
34	Naini	III	1	OR	270.00	13.08.15	Allotted	The Singareni Collieries Co. Ltd.	PSU(C)	Power
35	Barjora (North)	II	1	WB	56.57	31.03.15	Allotted	WBPDCL	PSU(C)	Power
36	Khagra Joydev	II	1	WB	103.80	31.03.15	Allotted	Damodar Valley Corporation	PSU(C)	Power
37	Tadicherla-I	III	1	Telangana	45.36	31.08.15	Allotted	Telengana State Power Generation Corpn. Ltd.	PSU(S)	Power
38	Gare Palma Sector-I	III	1	CH	194.00	14.09.15	Allotted	Gujarat State Electricity Corporation Limited	PSU(S)	Power
39-40	Gidhmuri & Paturia	III	2	CH	257.83	13.10.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
41	Parsa	III	1	CH	184.26	08.09.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
42	Gare Pelma Sector II	III	1	CH	655.15	31.08.15	Allotted	Maharashtra State Power Generation Co Ltd	PSU(S)	Power
43-44	Parsa East & Kanta Basan	II	2	CH	450.97	31.03.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
45	Gare Palma Sector-III	III	1	CH	134.09	14.09.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
46	Pachwara Central	II	1	JH	239.75	31.03.15	Allotted	Punjab State Power Corp. Ltd.	PSU(S)	Power
47	Badam	III	1	JH	90.50	31.08.15	Allotted	Bihar State Power Generation Co. Ltd.	PSU(S)	Power
48	Pachwara North	II	1	JH	392.75	31.03.15	Allotted	WBPDCL	PSU(S)	Power
49	Rajbar E&D	III	1	JH	526.05	30.06.15	Allotted	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
50	Banhardih	III	1	JH	553.00	30.06.15	Allotted	Jharkhand Urja Utpadan Nigam Ltd.	PSU(S)	Power
51-56	Baranj – I, II, III, IV, Kiloni & Manora Deep	II	6	MH	90.35	31.03.15	Allotted	Karnataka Power Corporation Ltd	PSU(S)	Power
57-58	Manoharpur & Dipside of Manoharpur	III	2	OR	152.12	31.08.15	Allotted	Odisha Coal & Power Ltd.	PSU(S)	Power
59-60	Tara (East) and Tara (West)	II	2	WB	11.06	31.03.15	Allotted	WBPDCL	PSU(S)	Power
61-62	Gangaramchak & Gangaramchak Bhadulia	II	2	WB	11.05	31.03.15	Allotted	WBPDCL	PSU(S)	Power
63	Barjora	II	1	WB	1.45	31.03.15	Allotted	WBPDCL	PSU(S)	Power
64	Kerandari	III	1	JH	142.01	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
65	Amelia	I	1	MP	393.60	17.01.17	Allotted	THDC India Limited (JV of Govt. of India & Govt. of U.P.)	PSU(C)	Power
66	Talabira-II & III	I	1	OR	152.33	02.05.16	Allotted	Neyveli Lignite Corporation Ltd.	PSU(C)	Power
67	Mandakini B	I	1	OR	1200.00	15.09.16	Allotted	NTPC Ltd.	PSU(C)	Power
68	Kasta East	III	1	WB	47.00	16.05.16	Allotted	WBPDCL	PSU(S)	Power
69	Mandakini		1	OR	NA	31.12.19	Allotted	Karnataka Power Corporation Ltd	PSU(S)	Power
70-71	Durgapur-II/Taraimar & Durgapur-II/Sarya		2	CH	NA	31.12.19	Allotted	Karnataka Power Corporation Ltd	PSU(S)	Power
TOTAL PSU POWER			**44**		**8473.13**					

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Table 9.8: Sectorwise List of Captive Coal Blocks stand Vested/Allocated during 2019-20

Sl.No.	Block allocated	Schedule	No. of blocks	State where the block is located	Extractable Reserves (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)	(11)
72	Baitarni West	I	1	OR	602.00	29.09.16	Allotted	Odisha Mining Corporation Ltd.	PSU(S)	Commercial
73	Penagaddppa		1	Telangana	110.87	15.12.16	Allotted	M/s. Singareni Collieries Co. Ltd.	PSU(C)	Commercial
74	Madanpur South		1	CH	175.24	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corp. Ltd.	PSU(S)	Commercial
75	Patal East		1	JH	200.00	29.09.16	Allotted	Jharkhand Mineral Development Corporation Ltd.	PSU(S)	Commercial
76	Suliyari		1	MP	141.00	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corporation Ltd.	PSU(S)	Commercial
77	Gourangdih ABC		1	WB	131.00	29.09.16	Allotted	West Bengal Mineral Development & Trading Corp.	PSU(S)	Commercial
78-79	Kotre Basantpur & Pachmo		2	JH	250.39	19.04.18	Allotted	Coal India Ltd.	PSU(C)	Commercial
80	Amarkonda Murgadangal		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial
81	Brahmini		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial
82	Chichro Patsimal		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial
TOTAL PSU COMMERCIAL			**11**		**1610.50**					
ALL TOTAL			**82**		**10994.79**					

Note.

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks (including some newly Allotted coal blocks), original GR have been shown as per available data.

Table 9.9: COAL PRODUCTION FROM CAPTIVE BLOCKS SINCE 1997-98, PROJECTION FOR XII TH FIVE YEAR PLAN AND CCO ESTIMATESTABLE

Year	Target / Achivement	Power		Iron & Steel		Govt. Comm		Private Comm & Cements		Total	
		No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1997-98	Achievement	2	0.71							2	0.71
1998-99		2	1.79	1	0.04					3	1.83
1999-00		2	2.17	1	0.78					3	2.95
2000-01		2	2.41	1	1.42					3	3.83
2001-02		2	2.91	1	1.55					3	4.46
2002-03		3	3.40	1	2.12					4	5.52
2003-04		4	5.36	1	2.47					5	7.83
2004-05		4	6.92	2	3.09			2	0.10	8	10.11
2005-06		5	7.58	2	5.76			2	0.28	9	13.62
2006-07		5	10.07	4	7.32			2	0.22	11	17.61
XI th Five Year Plan											
2007-08	Target 1	13	13.90	4	8.05	1	0.20	2	0.33	28	22.48
2007-08	Achvmt	7	12.83	5	8.01	1	0.08	2	0.33	15	21.25
2008-09	Target 1	20	22.53	14	11.21	3	1.65	3	0.33	58	35.72
2008-09	Achvmt	14	21.25	8	8.39	1	0.14	2	0.24	25	30.01
2009-10	Target 1	30	24.90	37	19.04	6	2.85	2	0.30	77	47.09
2009-10	Achvmt	14	25.735	11	9.475	1	0.25			26	35.46
2010-11	Target 1	33	35.80	41	31.20	8	5.70	2	0.30	86	73.00
2010-11	Target 2	15	25.50	9	9.64	1	0.20	2	0.30	27	35.64
2010-11	Achvmt	15	24.36	10	9.27	1	0.30	2	0.30	28	34.22
2011-12	Target 1	42	54.28	41	41.30	8	8.20	2	0.30	93	104.08
2011-12	Target 2	18	27.30	16	10.35	2	0.30	2	0.30	38	38.25
2011-12	Achvmt	15	25.82	11	9.83	1	0.22	2	0.30	29	36.17
XII th Five Year Plan											
2012-13	Target	17	26.80	17	11.10	3	1.00	2	0.30	39	39.20
2012-13	Achvmt	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
2013-14	Achvmt	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
2014-15	Achvmt	22	37.93	13	11.95	3	2.54	2	0.30	40	52.72

Note: Target 1 refers to XI th Five year Plan, Target 2 refers to CCO Estimate done in Dec 2010.

Table 9.10: COAL PRODUCTION FROM CAPTIVE BLOCKS DURING 2015-16 to 2019-20 PROJECTED ON CCO ESTIMATES AND AS PER MINE PLAN

Year	Target / Achivement	Power		NRS		Govt. Comm		Total	
		No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2015-16	Target	6	22.700	5	3.270	2	2.000	13	27.970
2015-16	Achvmt	6	25.669	4	3.154	2	2.278	12	31.101
2016-17	Target	12	33.500	11	7.600	2	5.000	25	46.100
2016-17	Achvmt	7	27.381	6	5.157	2	4.896	15	37.434
2017-18	Target	8	43.540	9	7.800	3	12.250	20	63.590
2017-18	Achvmt	7	31.158	7	5.722	3	4.420	17	41.300
2018-19	Target	11	50.350	9	5.200	3	11.250	23	66.800
2018-19	Achvmt	11	45.625	11	4.275	3	4.952	25	54.852
2019-20	Target	17	52.880	10	5.830	3	17.000	30	75.710
2019-20	Achvmt	16	54.892	10	2.982	3	3.421	29	61.295

Table - 9.11 : LIGNITE BLOCKS STAND ALLOCATED DURING 2019-20

Sl. No.	State (Block)	Date of Allocation	Name of Block	Name of Allocattee	No. of Blocks	Sector	GR while allotting (million Tonnes)	End Use Project	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/NA	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**		**762.84**		
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 Kharsaliya etc. is estimated from inferred GR.

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 distribution of world coal reserves over different countries by end of 2019. It can be seen that the top five places, as per coal reserve, are occupied by the U.S. (23.33%), Russian Federation (15.16%), Australia (13.94%), China (13.24%) and India (9.90%). These five countries together account for 75.61% of the total world coal reserves.

Statement 10.1: World Proved Coal and Lignite Reserve (MT) at the end of 2019

Country / Group	Reserve	% Share
US	249537	23.34%
Russian Federation	162166	15.16%
Australia	149079	13.94%
China	141595	13.24%
India	105931	9.90%
Indonesia	39891	3.73%
Germany	35900	3.36%
Ukraine	34375	3.21%
Poland	26932	2.52%
Kazakhstan	25605	2.39%
Others	98625	9.22%
Total World	**1069636**	**100.00%**

Source: International Energy Agency (IEA)

10.2 Production

In the World, in 2019, production of coal and lignite was 6951.19MT and 739.32 MT respectively. In 2018, production of coal and Lignite was 6782.25MT and 801.05 MT respectively. Statement 10.2 shows main coal producing countries during 2019. In this Statement it can be seen that the top six positions are occupied by China (3469.817 MT), India (718.625 MT), Indonesia (616.159 MT), US (591.321MT), Australia (459.869 MT) and Russian Federation (335.721 MT) and these six countries together account for about 88.07% of total world coal production whereas China alone accounts for 49.92% 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 2019

Country / Group	Production	% Share
P R of China	3469.817	49.92%
India	718.625	10.34%
Indonesia	616.159	8.86%
United States	591.321	8.51%
Australia	459.869	6.62%
Russian Federation	335.721	4.83%
South Africa	253.569	3.65%
Kazakhstan	98.976	1.42%
Colombia	82.065	1.18%
Poland	61.623	0.89%
Others	263.44	3.79%
World	**6951.185**	**100.00%**

Source: International Energy Agency (IEA)

Statement 10.4: World Lignite Production (MT) in 2019		
Country	Production	% Share
Germany	131.314	17.76%
Turkey	87.280	11.81%
Russian Federation	82.171	11.11%
Poland	50.329	6.81%
United States	48.138	6.51%
India	44.147	5.97%
Australia	43.315	5.86%
Serbia	39.092	5.29%
Czech Republic	37.471	5.07%
Bulgaria	28.001	3.79%
Others	148.059	20.03%
World	**739.317**	**100.00%**

Source: International Energy Agency (IEA)

10.2.2 World Coking Coal production during 2019 is given in Statement 10.3.

Statement 10.3: World Coking Coal Production (MT) in 2019		
Country	Production	% Share
P R of China	502.544	49.90%
Australia	188.251	18.69%
Russian Federation	98.598	9.79%
United States	66.122	6.57%
India	35.749	3.55%
Canada	33.921	3.37%
Mongolia	30.516	3.03%
Poland	12.071	1.20%
Ukraine	5.762	0.57%
Indonesia	5.752	0.57%
Others	27.775	2.76%
World	**1007.061**	**100.00%**

Source: International Energy Agency (IEA).

10.2.3 Statement 10.4 provides world lignite production during 2019 by major lignite producing countries.

10.3 Import and Export

10.3.1 In 2019, world coal import was 1417.86MT against 1386.79MT in 2018. In 2019, import of coking coal and non-coking coal was 311.625MT and1106.24 MT respectively. Import of lignite was 5.77 MT. Statement 10.5 shows major country wise import of coking coal and non-coking coal during 2019.

Statement 10.5: World Coal Import (MT) in 2019e			
Country	Import		
	Coking Coal	Non Coking Coal	Total Coal
P R of China	74.743	223.727	298.470
India	57.978	188.756	246.734
Japan	46.513	138.452	184.965
Korea	36.676	93.434	130.111
Chinese Taipei	6.702	60.782	67.484
Germany	11.251	29.742	40.993
Turkey	6.410	31.731	38.141
Malaysia	0.000	35.425	35.425
Russian Federation	0.713	24.758	25.471
Thailand	0.000	22.160	22.160
Philippines	0.000	26.922	26.922
Vietnam	0.000	43.849	43.849
Ukraine	11.806	9.276	21.082
Brazil	10.184	8.675	18.859
Others	48.649	168.547	217.195
World	311.625	1106.236	1417.861

Source: International Energy Agency (IEA)

10.3.2. In 2019, total coal export was 1419.41 MT against 1400.79 MT in 2018. During 2019, export of coking coal was 337.074 MT, non-coking coal 1082.34 MT and lignite 16.714 MT. Statement 10.6 shows major country wise export of coal during 2019.

Statement 10.6: World Coal Export (MT) in 2019e

Country	Export		
	Coking Coal	Non Coking Coal	Total Coal
Indonesia	5.752	449.140	454.892
Australia	183.522	209.776	393.298
Russian Federation	24.572	180.522	205.094
United States	49.998	34.209	84.207
Colombia	2.099	69.433	71.532
South Africa	1.153	79.487	80.640
Mongolia	23.215	4.816	28.031
Canada	34.353	1.752	36.105
Kazakhstan	1.351	21.256	22.607
Mozambique	4.898	5.137	10.035
P R of China	1.489	1.027	2.516
Poland	2.575	1.815	4.390
Philippines	0.000	14.092	14.092
Vietnam	0.000	1.043	1.043
Czech Republic	0.873	0.556	1.429
India	0.000	0.674	0.674
Others	1.224	7.600	8.824
World	**337.074**	**1082.335**	**1419.409**

Source: International Energy Agency (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 2019

(Quantity In Million Tonnes)

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%	130	* More than 500 years.
Mexico	1160	51	**1211**	0.1%	108	w Less than 0.05%.
US	219534	30003	**249537**	23.3%	390	
Total North America	**225040**	**32290**	**257330**	**24.1%**	**367**	**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.
Brazil	1547	5049	**6596**	0.6%	*	
Colombia	4554	-	**4554**	0.4%	55	
Venezuela	731	-	**731**	0.1%	*	
Other S. & Cent. America	1784	24	**1808**	0.2%	*	
Total S. & Cent. America	**8616**	**5073**	**13689**	**1.3%**	**152**	
Bulgaria	192	2174	**2366**	0.2%	153	
Czech Republic	413	2514	**2927**	0.3%	71	
Germany	-	35900	**35900**	3.4%	268	
Greece	-	2876	**2876**	0.3%	105	
Hungary	276	2633	**2909**	0.3%	425	
Poland	21067	5865	**26932**	2.5%	240	
Romania	11	280	**291**	♦	13	
Serbia	402	7112	**7514**	0.7%	193	
Spain	868	319	**1187**	0.1%	*	
Turkey	550	10975	**11525**	1.1%	140	
Ukraine	32039	2336	**34375**	3.2%	*	
United Kingdom	26	-	**26**	♦	12	
Other Europe	1109	5172	**6281**	0.6%	141	
Total Europe	**56953**	**78156**	**135109**	**12.6%**	**244**	
Kazakhstan	25605	-	**25605**	2.4%	222	**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.
Russian Federation	71719	90447	**162166**	15.2%	369	
Uzbekistan	1375	-	**1375**	0.1%	339	
Other CIS	1509	-	**1509**	0.1%	331	
Total CIS	**100208**	**90447**	**190655**	**17.8%**	**338**	
South Africa	9893	-	**9893**	0.9%	39	
Zimbabwe	502	-	**502**	♦	215	
Other Africa	4376	66	**4442**	0.4%	202	
Middle East	1203	-	**1203**	0.1%	*	
Total Middle East & Africa	**15974**	**66**	**16040**	**1.5%**	**57**	
Australia	72571	76508	**149079**	13.9%	294	**Reserves-to-production (R/P)** ratios are calculated excluding other solid fuels in reserves and production.
China	133467	8128	**141595**	13.2%	37	
India	100858	5073	**105931**	9.9%	140	
Indonesia	28163	11728	**39891**	3.7%	65	
Japan	340	10	**350**	♦	462	
Mongolia	1170	1350	**2520**	0.2%	44	
New Zealand	825	6750	**7575**	0.7%	*	
Pakistan	207	2857	**3064**	0.3%	481	
South Korea	326	-	**326**	♦	300	
Thailand	-	1063	**1063**	0.1%	76	
Vietnam	3116	244	**3360**	0.3%	73	
Other Asia Pacific	1333	726	**2059**	0.2%	32	
Total Asia Pacific	**342376**	**114437**	**456813**	**42.7%**	**77**	**Shares of total and R/P** ratios are calculated using million tonnes figures.
Total World	**749167**	**320469**	**1069636**	**100.0%**	**132**	
of which: OECD	**324066**	**177130**	**501196**	**46.9%**	**308**	
Non-OECD	**425101**	**143339**	**568440**	**53.1%**	**88**	
European Union	**23434**	**53051**	**76485**	**7.2%**	**209**	

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

(Quantity In Million Tonnes Oil Equivalent)

Countries	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Change 2019 over 2018	Average Growth Rate Per Aannum 2008-18	2019 Share of Total
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Canada	68.0	67.5	67.1	68.0	67.9	62.0	62.4	60.3	53.2	**50.5**	-5.1%	-2.5%	0.6%
Mexico	15.3	19.6	15.2	14.6	14.9	12.3	11.4	12.9	11.9	**11.2**	-5.4%	-1.9%	0.1%
US	983.7	993.9	922.1	893.4	907.2	813.7	660.8	702.7	686.0	**639.8**	-6.7%	-4.3%	7.9%
Total North America	**1067.0**	**1081.0**	**1004.4**	**976.1**	**990.1**	**888.0**	**734.5**	**775.9**	**751.1**	**701.5**	**-6.6%**	**-4.1%**	**8.6%**
Brazil	7.7	7.6	8.2	9.5	9.4	8.0	7.5	5.8	6.4	**7.8**	21.3%	-3.1%	0.1%
Colombia	74.4	85.8	89.0	85.5	88.6	85.5	90.5	90.5	84.3	**82.4**	-2.2%	1.4%	1.0%
Venezuela	2.6	2.6	1.9	1.2	0.8	0.8	0.4	0.4	0.2	**0.3**	49.1%	-27.5%	♦
Other S. & Cent. America	0.8	0.9	1.0	3.2	4.5	3.4	2.8	1.8	1.6	**1.2**	-27.0%	7.8%	♦
Total S. & Cent. Americ	**85.5**	**96.9**	**100.1**	**99.4**	**103.2**	**97.8**	**101.2**	**98.6**	**92.5**	**91.7**	**-0.9%**	**0.5%**	**1.1%**
Bulgaria	29.4	37.1	33.4	28.6	31.3	35.9	31.3	34.3	30.9	**15.4**	-50.0%	0.6%	0.2%
Czech Republic	55.4	58.1	55.2	49.1	47.1	46.5	45.5	44.9	43.8	**41.0**	-6.4%	-3.1%	0.5%
Germany	182.3	188.6	196.2	190.6	185.8	184.3	175.4	175.1	168.8	**133.9**	-20.7%	-1.3%	1.6%
Greece	56.5	58.7	63.0	53.9	50.8	46.2	32.6	37.7	36.5	**27.3**	-25.1%	-5.7%	0.3%
Hungary	9.1	9.6	9.3	9.6	9.6	9.3	9.2	8.0	7.9	**6.9**	-13.3%	-1.7%	0.1%
Poland	133.2	139.3	144.1	142.9	137.1	135.8	131.0	127.1	122.4	**112.4**	-8.2%	-1.6%	1.4%
Romania	31.1	35.5	33.9	24.7	23.6	25.5	23.0	25.8	23.7	**21.7**	-8.4%	-4.1%	0.3%
Serbia	37.9	40.8	38.2	40.3	29.8	37.8	38.5	39.9	37.7	**39.0**	3.4%	-0.4%	0.5%
Spain	8.4	6.6	6.2	4.4	3.9	3.1	1.7	3.0	2.5	**0.1**	-97.4%	-13.1%	♦
Turkey	73.4	76.0	71.5	60.4	65.2	58.4	73.0	74.1	83.9	**84.0**	0.1%	0.6%	1.0%
Ukraine	55.4	63.2	66.2	64.9	45.7	30.4	32.2	24.7	26.8	**26.2**	-2.3%	-7.7%	0.3%
United Kingdom	18.3	18.6	17.0	12.8	11.6	8.6	4.2	3.0	2.6	**2.2**	-16.1%	-17.7%	♦
Other Europe	68.5	70.4	63.2	72.2	67.8	62.2	58.9	62.5	94.2	**67.5**	-28.4%	3.9%	0.8%
Total Europe	**759.1**	**802.3**	**797.2**	**754.3**	**709.4**	**684.0**	**656.7**	**660.1**	**681.6**	**577.4**	**-15.3%**	**-1.7%**	**7.1%**
Kazakhstan	110.9	116.4	120.5	119.6	114.0	107.3	103.1	112.3	118.5	**115.4**	-2.6%	0.6%	1.4%
Russian Federation	322.9	337.4	358.3	355.2	357.4	372.5	386.6	412.5	441.6	**440.4**	-0.3%	2.9%	5.4%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	3.6	3.8	3.8	4.1	4.4	4.0	3.9	4.0	4.2	**4.1**	-2.9%	1.5%	♦
Other CIS	3.1	3.8	4.3	4.2	4.1	4.0	4.7	5.7	6.7	**6.9**	3.9%	8.1%	0.1%
Total CIS	**440.6**	**461.5**	**486.8**	**483.1**	**479.9**	**487.7**	**498.2**	**534.5**	**570.9**	**566.8**	**-0.7%**	**2.5%**	**7.0%**
Total Middle East	**1.5**	**1.6**	**1.5**	**1.5**	**1.5**	**1.6**	**1.8**	**2.0**	**1.5**	**1.5**	**-**	**-2.7%**	**♦**
South Africa	254.5	252.8	258.6	256.3	261.4	252.2	249.7	252.3	253.3	**254.3**	0.4%	♦	3.1%
Zimbabwe	2.7	2.6	1.6	3.1	5.8	4.3	2.7	2.9	3.6	**2.3**	-35.0%	9.0%	♦
Other Africa	1.8	2.0	7.1	8.3	9.4	9.6	12.3	22.4	28.0	**22.0**	-21.4%	34.8%	0.3%
Total Africa	**258.9**	**257.3**	**267.3**	**267.7**	**276.6**	**266.1**	**264.8**	**277.7**	**284.9**	**278.7**	**-2.2%**	**1.1%**	**3.4%**
Australia	434.4	423.2	448.2	472.8	505.3	503.7	502.1	487.2	505.5	**506.7**	0.2%	2.2%	6.2%
China	3428.4	3764.4	3945.1	3974.3	3873.9	3746.5	3410.6	3523.6	3698.0	**3846.0**	4.0%	2.4%	47.3%
India	572.3	563.8	605.6	608.5	646.2	674.2	689.8	711.7	760.4	**756.4**	-0.5%	4.0%	9.3%
Indonesia	275.2	353.3	385.9	474.6	458.1	461.6	456.2	461.2	557.8	**610.0**	9.4%	8.8%	7.5%
Japan	0.9	1.3	1.3	1.2	1.3	1.2	1.3	1.4	1.0	**0.8**	-27.1%	-1.6%	♦
Mongolia	25.2	33.0	31.1	33.3	24.4	24.1	35.1	49.5	54.6	**57.1**	4.7%	18.4%	0.7%
New Zealand	5.3	5.0	4.9	4.6	4.0	3.4	2.9	2.9	3.2	**3.0**	-6.3%	-3.9%	♦
Pakistan	3.4	3.2	3.0	3.0	3.4	3.3	4.1	4.2	4.4	**6.4**	45.9%	0.9%	0.1%
South Korea	2.1	2.1	2.1	1.8	1.7	1.8	1.7	1.5	1.2	**1.1**	-9.5%	-8.0%	♦
Thailand	18.3	21.3	18.1	18.1	18.0	15.2	17.0	16.3	14.9	**14.1**	-5.2%	-2.0%	0.2%
Vietnam	44.8	46.6	42.1	41.1	41.1	41.7	38.7	38.4	42.0	**46.3**	10.2%	0.6%	0.6%
Other Asia Pacific	37.0	38.7	39.6	39.8	40.4	44.9	61.4	54.1	65.4	**63.8**	-2.4%	5.3%	0.8%
Total Asia Pacific	**4847.3**	**5255.9**	**5527.1**	**5673.2**	**5617.8**	**5521.5**	**5221.0**	**5352.0**	**5708.4**	**5911.8**	**3.6%**	**3.1%**	**72.7%**
Total World	**7459.9**	**7956.5**	**8184.4**	**8255.3**	**8178.5**	**7946.8**	**7478.2**	**7700.7**	**8090.9**	**8129.4**	**0.5%**	**1.6%**	**100.0%**
of which: OECD	**2088.3**	**2108.1**	**2057.9**	**2026.8**	**2058.6**	**1927.3**	**1748.1**	**1777.7**	**1771.5**	**1650.0**	**-6.9%**	**-2.0%**	**20.3%**
Non-OECD	**5371.6**	**5848.4**	**6126.5**	**6228.4**	**6119.9**	**6019.5**	**5730.1**	**5923.0**	**6319.4**	**6479.4**	**2.5%**	**2.9%**	**79.7%**
European Union #	**562.8**	**589.7**	**590.5**	**558.1**	**539.6**	**527.6**	**483.0**	**492.7**	**478.0**	**388.4**	**-18.8%**	**-2.2%**	**4.8%**

* 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 Consumption in Major Coal Consuming Countries of the World during last Ten Years

(Figs. In Million Tonnes Oil Equivalent)

Countries	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Change 2019 over 2018	Average Growth Rate Per Aannum 2008-18	2019 Share of Total
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(12)	(13)	(14)	(15)
Canada	0.98	1.04	0.93	0.88	0.87	0.82	0.83	0.78	0.78	0.65	**0.56**	-14.1%	-6.2%	0.4%
Mexico	0.43	0.53	0.62	0.54	0.53	0.53	0.53	0.52	0.64	0.57	**0.51**	-10.5%	3.0%	0.3%
US	19.74	20.88	19.70	17.42	18.08	18.04	15.58	14.26	13.87	13.28	**11.34**	-14.6%	-5.1%	7.2%
Total North America	**21.15**	**22.45**	**21.25**	**18.84**	**19.48**	**19.39**	**16.95**	**15.56**	**15.28**	**14.50**	**12.41**	**-14.4%**	**-5.0%**	**7.9%**
Argentina	0.03	0.05	0.05	0.05	0.05	0.06	0.06	0.04	0.05	0.05	**0.02**	-53.7%	-2.4%	♦
Brazil	0.47	0.61	0.65	0.64	0.69	0.73	0.74	0.67	0.70	0.70	**0.66**	-5.8%	1.9%	0.4%
Chile	0.17	0.19	0.24	0.28	0.32	0.32	0.31	0.31	0.32	0.31	**0.28**	-8.7%	5.5%	0.2%
Colombia	0.17	0.20	0.16	0.20	0.21	0.22	0.21	0.23	0.17	0.16	**0.26**	63.0%	-1.6%	0.2%
Peru	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.04	0.04	0.03	**0.02**	-32.6%	-1.8%	♦
Venezuela	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	**0.00**	-34.4%	-2.0%	♦
Central America	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.06	0.09	**0.10**	11.5%	15.4%	0.1%
Other Caribbean	0.08	0.08	0.09	0.08	0.09	0.10	0.09	0.09	0.08	0.09	**0.14**	55.0%	0.7%	0.1%
Other South America	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	-0.9%	5.9%	♦
Total S. & Cent. America	**0.98**	**1.19**	**1.26**	**1.33**	**1.45**	**1.52**	**1.50**	**1.46**	**1.43**	**1.43**	**1.48**	**3.7%**	**2.1%**	**0.9%**
Austria	0.12	0.14	0.15	0.13	0.14	0.13	0.14	0.13	0.13	0.12	**0.13**	5.2%	-2.8%	0.1%
Belgium	0.12	0.16	0.15	0.14	0.15	0.14	0.14	0.13	0.13	0.13	**0.13**	-2.1%	-3.8%	0.1%
Bulgaria	0.27	0.29	0.34	0.29	0.25	0.27	0.27	0.24	0.26	0.23	**0.21**	-8.7%	-3.2%	0.1%
Croatia	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	**0.02**	18.1%	-6.4%	♦
Cyprus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	22.8%	-4.9%	♦
Czech Republic	0.76	0.79	0.77	0.74	0.71	0.69	0.68	0.69	0.65	0.65	**0.60**	-6.9%	-2.4%	0.4%
Denmark	0.17	0.16	0.14	0.10	0.14	0.11	0.07	0.09	0.07	0.07	**0.04**	-41.8%	-9.0%	♦
Estonia	0.13	0.16	0.17	0.16	0.18	0.18	0.16	0.16	0.18	0.20	**0.14**	-29.3%	3.5%	0.1%
Finland	0.22	0.28	0.23	0.19	0.21	0.19	0.16	0.18	0.17	0.18	**0.15**	-16.6%	-2.4%	0.1%
France	0.45	0.48	0.41	0.46	0.48	0.36	0.35	0.34	0.39	0.35	**0.27**	-23.2%	-3.6%	0.2%
Germany	3.00	3.23	3.28	3.37	3.47	3.33	3.29	3.20	3.01	2.90	**2.30**	-20.7%	-1.4%	1.5%
Greece	0.35	0.33	0.33	0.34	0.29	0.28	0.24	0.18	0.20	0.19	**0.14**	-27.6%	-5.8%	0.1%
Hungary	0.11	0.11	0.11	0.11	0.10	0.09	0.10	0.09	0.09	0.09	**0.08**	-11.3%	-3.5%	♦
Iceland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	-	1.8%	♦
Ireland	0.08	0.08	0.08	0.09	0.09	0.08	0.09	0.09	0.08	0.06	**0.04**	-32.0%	-4.7%	♦
Italy	0.52	0.57	0.64	0.66	0.57	0.55	0.52	0.46	0.40	0.37	**0.30**	-19.3%	-5.7%	0.2%
Latvia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	52.1%	-7.6%	♦
Lithuania	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	-3.6%	♦	♦
Luxembourg	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	32.6%	-5.6%	♦
Netherlands	0.31	0.32	0.31	0.34	0.34	0.38	0.46	0.43	0.38	0.34	**0.27**	-22.5%	0.3%	0.2%
North Macedonia	0.06	0.05	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	**0.04**	22.0%	-5.3%	♦
Norway	0.02	0.03	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.03	**0.03**	0.6%	1.3%	♦
Poland	2.17	2.31	2.30	2.14	2.23	2.07	2.04	2.07	2.08	2.08	**1.91**	-8.4%	-1.0%	1.2%
Portugal	0.12	0.07	0.09	0.12	0.11	0.11	0.14	0.12	0.14	0.11	**0.06**	-49.4%	0.8%	♦
Romania	0.32	0.29	0.34	0.32	0.25	0.24	0.25	0.22	0.23	0.21	**0.19**	-10.7%	-5.9%	0.1%
Slovakia	0.16	0.16	0.15	0.14	0.14	0.14	0.14	0.13	0.14	0.14	**0.11**	-17.8%	-1.7%	0.1%
Slovenia	0.06	0.06	0.06	0.06	0.06	0.04	0.04	0.05	0.05	0.05	**0.04**	-6.8%	-3.1%	♦
Spain	0.39	0.29	0.54	0.65	0.48	0.49	0.57	0.44	0.56	0.46	**0.21**	-54.6%	-2.0%	0.1%
Sweden	0.08	0.12	0.10	0.09	0.09	0.08	0.08	0.08	0.08	0.08	**0.08**	2.2%	-3.5%	0.1%
Switzerland	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	**0.00**	-	-4.2%	♦
Turkey	1.29	1.32	1.42	1.53	1.32	1.51	1.45	1.61	1.65	1.71	**1.70**	-0.8%	3.3%	1.1%
Ukraine	1.50	1.60	1.74	1.79	1.73	1.49	1.14	1.36	1.08	1.15	**1.10**	-4.5%	-4.1%	0.7%
United Kingdom	1.25	1.29	1.32	1.63	1.55	1.25	0.97	0.46	0.38	0.32	**0.26**	-17.4%	-14.3%	0.2%
Other Europe	0.58	0.58	0.66	0.59	0.61	0.50	0.58	0.60	0.59	0.60	**0.77**	26.6%	0.6%	0.5%
Total Europe	**14.67**	**15.34**	**15.99**	**16.34**	**15.81**	**14.84**	**14.20**	**13.68**	**13.23**	**12.92**	**11.35**	**-12.1%**	**-2.3%**	**7.2%**
Azerbaijan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	-	-10.4%	♦
Belarus	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	**0.04**	6.7%	3.2%	♦
Kazakhstan	1.30	1.40	1.52	1.58	1.57	1.55	1.43	1.42	1.52	1.70	**1.67**	-1.9%	1.9%	1.1%
Russian Federation	3.86	3.79	3.94	4.12	3.79	3.67	3.86	3.74	3.51	3.63	**3.63**	♦	-1.5%	2.3%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	**n/a**	n/a	n/a	n/a
Uzbekistan	0.04	0.04	0.05	0.05	0.07	0.06	0.06	0.05	0.06	0.09	**0.07**	-14.5%	7.2%	♦
Other CIS	0.04	0.04	0.05	0.05	0.06	0.07	0.08	0.07	0.08	0.09	**0.12**	33.7%	7.5%	0.1%
Total CIS	**5.26**	**5.30**	**5.58**	**5.84**	**5.52**	**5.38**	**5.46**	**5.32**	**5.22**	**5.54**	**5.53**	**-0.2%**	**-0.4%**	**3.5%**

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Table 10.3: Coal Consumption in Major Coal Consuming Countries of the World during last Ten Years

(Figs. In Million Tonnes Oil Equivalent)

Countries	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Change 2019 over 2018	Average Growth Rate Per Aannum 2008-18	2019 Share of Total
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(12)	(13)	(14)	(15)
Iran	0.06	0.05	0.06	0.05	0.06	0.07	0.07	0.06	0.07	0.06	**0.05**	-6.7%	1.2%	♦
Iraq	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	-	-	-
Israel	0.32	0.32	0.33	0.37	0.30	0.28	0.27	0.23	0.21	0.20	**0.21**	6.2%	-5.0%	0.1%
Kuwait	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	**0.01**	-5.3%	76.0%	♦
Oman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.01**	120.7%	51.1%	♦
Saudi Arabia	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	**0.00**	-	4.8%	♦
United Arab Emirates	0.01	0.03	0.02	0.06	0.07	0.08	0.07	0.08	0.09	0.10	**0.10**	2.2%	21.5%	0.1%
Other Middle East	0.01	0.01	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	**0.02**	-	8.9%	♦
Total Middle East	**0.40**	**0.42**	**0.43**	**0.50**	**0.47**	**0.47**	**0.44**	**0.40**	**0.40**	**0.39**	**0.40**	**3.6%**	**-0.5%**	**0.3%**
Algeria	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.02	**0.02**	-	-4.1%	♦
Egypt	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.05	0.05	0.09	**0.08**	-7.8%	11.9%	0.1%
Morocco	0.11	0.12	0.12	0.13	0.13	0.17	0.19	0.18	0.19	0.22	**0.28**	29.4%	3.5%	0.2%
South Africa	3.93	3.89	3.79	3.70	3.70	3.75	3.52	3.78	3.72	3.76	**3.81**	1.4%	-0.4%	2.4%
Eastern Africa	0.08	0.12	0.13	0.10	0.16	0.25	0.20	0.16	0.19	0.21	**0.18**	-14.5%	11.2%	0.1%
Middle Africa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	-	-10.0%	♦
Western Africa	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.04	0.04	0.04	**0.04**	-8.7%	17.6%	♦
Other Northern Africa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	n/a	n/a	-
Other Southern Africa	0.05	0.03	0.03	0.05	0.05	0.06	0.06	0.06	0.07	0.06	**0.05**	-13.1%	4.1%	♦
Total Africa	**4.23**	**4.19**	**4.12**	**4.02**	**4.07**	**4.26**	**4.03**	**4.27**	**4.26**	**4.41**	**4.47**	**1.5%**	**0.4%**	**2.8%**
Australia	2.36	2.19	2.13	2.00	1.89	1.88	1.95	1.94	1.88	1.84	**1.78**	-3.3%	-2.8%	1.1%
Bangladesh	0.05	0.03	0.05	0.04	0.05	0.03	0.11	0.08	0.09	0.10	**0.14**	41.0%	10.1%	0.1%
China	70.58	73.22	79.71	80.71	82.44	81.83	80.13	79.09	79.28	79.83	**81.67**	2.3%	1.7%	51.7%
China Hong Kong SAR	0.30	0.26	0.31	0.31	0.33	0.34	0.28	0.28	0.26	0.26	**0.26**	-1.6%	-0.9%	0.2%
India	11.76	12.16	12.75	13.82	14.77	16.23	16.55	16.86	17.46	18.56	**18.62**	0.3%	5.5%	11.8%
Indonesia	1.39	1.65	1.96	2.22	2.39	1.89	2.14	2.23	2.39	2.84	**3.41**	20.0%	8.0%	2.2%
Japan	4.27	4.87	4.62	4.88	5.07	4.99	5.03	5.02	5.10	4.99	**4.91**	-1.7%	-0.2%	3.1%
Malaysia	0.44	0.62	0.62	0.66	0.63	0.64	0.73	0.78	0.87	0.93	**0.90**	-3.2%	8.5%	0.6%
New Zealand	0.07	0.06	0.06	0.07	0.06	0.06	0.06	0.05	0.05	0.05	**0.06**	14.2%	-4.7%	♦
Pakistan	0.21	0.19	0.17	0.17	0.13	0.20	0.19	0.22	0.30	0.50	**0.55**	11.2%	7.0%	0.3%
Philippines	0.25	0.29	0.32	0.34	0.42	0.45	0.49	0.55	0.65	0.68	**0.73**	6.6%	9.9%	0.5%
Singapore	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.04	0.02	**0.03**	30.8%	58.1%	♦
South Korea	2.87	3.23	3.50	3.38	3.41	3.53	3.58	3.41	3.61	3.63	**3.44**	-5.3%	2.7%	2.2%
Sri Lanka	0.00	0.00	0.01	0.02	0.02	0.04	0.05	0.05	0.06	0.06	**0.06**	10.3%	37.2%	♦
Taiwan	1.51	1.60	1.67	1.65	1.69	1.71	1.64	1.67	1.70	1.70	**1.63**	-4.0%	0.8%	1.0%
Thailand	0.63	0.65	0.66	0.69	0.68	0.75	0.73	0.75	0.75	0.80	**0.71**	-10.9%	2.5%	0.5%
Vietnam	0.47	0.61	0.73	0.67	0.72	0.87	1.10	1.19	1.19	1.59	**2.07**	30.2%	12.3%	1.3%
Other Asia Pacific	0.69	0.67	0.56	0.58	0.45	0.51	0.49	0.60	0.61	1.23	**1.25**	1.2%	3.7%	0.8%
Total Asia Pacific	**97.84**	**102.31**	**109.83**	**112.20**	**115.18**	**115.96**	**115.27**	**114.81**	**116.28**	**119.62**	**122.22**	**2.2%**	**2.4%**	**77.4%**
Total World	**144.53**	**151.19**	**158.46**	**159.07**	**161.98**	**161.84**	**157.84**	**155.50**	**156.09**	**158.79**	**157.86**	**-0.6%**	**0.8%**	**100.0%**
of which: OECD	**43.14**	**45.79**	**44.95**	**43.08**	**43.43**	**42.72**	**40.02**	**37.73**	**37.47**	**36.19**	**32.10**	**-11.3%**	**-2.8%**	**20.3%**
Non-OECD	**101.39**	**105.40**	**113.51**	**115.98**	**118.55**	**119.12**	**117.82**	**117.77**	**118.62**	**122.61**	**125.75**	**2.6%**	**2.2%**	**79.7%**
European Union #	**11.21**	**11.74**	**12.07**	**12.34**	**12.05**	**11.25**	**10.94**	**10.04**	**9.82**	**9.37**	**7.69**	**-17.8%**	**-3.0%**	**4.9%**

* Commercial solid fuels only, i.e. bituminous coal and anthracite (hard coal), and lignite and brown (sub-bituminous) coal, and other commercial solid fuels. Excludes coal converted to liquid or gaseous fuels, but includes coal consumed in transformation processes.

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

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	77.63	85.89	148.52	108.58	80.81

† Source: IHS Northwest Europe prices for 1987-2000 are the average of the monthly marker, 2001-2019 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 2006-2019, 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. 2006-2019 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 and Coke by Major Coal Producing Countries during 2018 & 2019 e

(Quantity in Thousand Tonnes)

Country	2018					2019 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	32221	3446	15924	2520	8696	33921	4088	12669	2428	8849
Mexico	4735	40	7029	1180	437	3975	38	5672	991	437
United States	72028	253104	308449	12525	51744	66122	246400	278799	12215	48138
North America	**108984**	**256590**	**331402**	**16225**	**60877**	**104018**	**250526**	**297140**	**15634**	**57424**
Chile	0	2257	0	393	0	0	1607	0	519	0
Argentina	0	60	0	1185	0	0	22	0		0
Brazil	0	0	3390	10159	1448	0	124	3664	9260	1622
Colombia	5556	78728	0	3163	0	5090	76976	0		0
Peru	0	199	0	0	0	0	250	0		0
Bolivarian Republic of Venezuela	0	200	0	0	0	0	750	0		0
South America	**5556**	**81444**	**3390**	**14899**	**1448**	**5090**	**79728**	**3664**	**9779**	**1622**
Austria	0	0	0	1316	0	0	0	0	1316	0
Belgium	0	0	0	1210	0	0	0	0	1211	0
Czech Republic	2240	2141	0	2542	39191	2032	1400	0	2352	37471
Estonia	0	0	0	14	0	0	0	0	23	0
Finland	0	0	0	861	0	0	0	0	836	0
France	0	0	0	3200	0	0	0	0	3113	0
Germany	1465	1296	0	9361	166258	0	0	0	7592	131314
Greece	0	0	0	0	36489	0	0	0	0	27088
Hungary	0	0	0	951	7898	0	0	0	892	6897
Italy	0	0	0	1767	0	0	0	0	1897	0
Netherlands	0	0	0	1986	0	0	0	0	1988	0
Norway	0	150	0	0	0	0	121	0	0	0
Poland	12047	51337	0	9473	58571	12071	49552	0	8917	50329
Slovak Republic	0	0	0	1591	1502	0	0	0	1398	1465
Slovenia	0	0	0	0	3217	0	0	0	0	3143
Spain	0	771	1630	1428	0	0	0	0	1120	0
Sweden	0	0	0	1105	0	0	0	0	1105	0
Turkey	692	410	1751	4319	81084	704	511	1502	4455	87280
United Kingdom	33	2548	0	1280	0	270	1897	0	1314	0
Albania	0	296	0	0	0	0	95	0		0
Bosnia and Herzegovina	0	0	0	945	14505	0	0	0		13169
Bulgaria	0	0	0	0	30263	0	0	0		28001
Georgia	0	0	0	0	138	0	0	0		16
Kosovo	0	0	0	0	7661	0	0	0		8063
Montenegro	0	0	0	0	1596	0	0	0		0
Republic of North Macedonia	0	0	0	0	4995	0	0	0		5477
Romania	0	0	0	0	23647	0	0	0		21653
Russian Federation	91640	246970	0	41248	80478	98599	237123	0	26870	82171
Serbia	0	0	0	0	37649	0	0	0		39092
Ukraine	4606	20420	1228	10824	0	5763	18852	929		0
Europe	**112723**	**326339**	**4609**	**95420**	**595141**	**119439**	**309551**	**2431**	**66399**	**542629**
Australia	179350	231584	28200	2522	45956	188251	245350	26268	2664	43315
New Zealand	1213	141	1577	486	307	1201	96	1455	425	288
Australia and Oceania	**180563**	**231725**	**29777**	**3008**	**46263**	**189452**	**245446**	**27723**	**3089**	**43603**

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Table-10.5: Production of Coal and Coke by Major Coal Producing Countries during 2018 & 2019 e

(Quantity in Thousand Tonnes)

Country	2018					2019 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Botswana	0	2318	0	0	0	0	1972	0		0
Egypt	0	0	0	557	0	0	0	0		0
Ethiopia	0	2	0	0	0	0	2	0		0
Mozambique	6956	5381	0	0	0	4549	4682	0		0
Niger	0	0	0	0	276	0	0	0		246
Nigeria	0	47	0	0	0	0	45	0		0
South Africa	3935	251706	0	2281	0	3904	249665	0		0
United Republic of Tanzania	0	628	0	0	0	0	276	0		0
Zambia	0	1174	0	0	0	0	1174	0		0
Zimbabwe	298	3050	0	219	0	298	1636	0		0
Other Africa	0	242	0	0	0	0	50	0		0
Africa	**11189**	**264548**	**0**	**3057**	**276**	**8751**	**259501**	**0**	**0**	**246**
Japan	0	1328	0	32296	0	0	744	0	32439	0
Korea	0	1140	0	16894	0	0	1086	0	16176	0
Bangladesh	0	923	0	0	0	0	1020	0		0
Cambodia	0	0	60	0	0	0	0	0		0
India	37276	687586	0	37665	44283	35749	682876	0		44147
Indonesia	5118	81119	461983	0	0	5752	91172	519235		0
DPR of Korea	0	16478	1602	0	0	0	28308	2752		0
Laos	0	143	0	0	15903	0	150	0		15320
Malaysia	0	2653	0	0	0	0	3458	0		0
Mongolia	27074	6914	0	48	7449	30517	7794	0		6672
Myanmar	0	0	820	0	486	0	0	316		463
Nepal	0	25	0	0	0	0	16	0		0
Pakistan	0	3161	0	0	1387	0	3765	0		1209
Philippines	0	0	11755	0	0	0	0	11210		0
Chinese Taipei	0	0	0	6345	0	0	0	0		0
Thailand	0	0	0	0	14852	0	0	0		14078
Viet Nam	0	42384	0	0	0	0	45687	0		0
Other Asia	0	2422	0	69	0	0	4131	0		0
People's Republic of China	483697	2852666		436001		502545	2967272			
Kazakhstan	4346	96740	0	2839	6561	4202	94774	0		5778
Kyrgyzstan	0	324	0	0	2071	0	345	0		2188
Tajikistan	0	1842	0	0	65	0	1964	0		64
Uzbekistan	0	181	0	0	3993	0	176	0		3874
Islamic Republic of Iran	1482	164	0	1360	0	1546	164	0		0
Asia	**558992**	**3798193**	**476220**	**533516**	**97050**	**580311**	**3934901**	**533514**	**48615**	**93793**
World Total	**978008**	**4958840**	**845398**	**666126**	**801055**	**1007061**	**5079653**	**864472**	**143517**	**739317**

Source: International Energy Agency (IEA).

Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2018 & 2019 e

(Quantity in Thousand Tonnes)

Country	2018					2019 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	4155	2148	1283	1101	9	3843	3378	917	1299	9
Mexico	499	6771	2006	1206	4	349	7530	1468	1154	5
United States	623	3190	1521	106	68	672	3508	1824	105	71
Others Country	0	3397	0	580	0	0	3822	0	0	0
North America	**5277**	**15506**	**4810**	**2993**	**81**	**4864**	**18238**	**4209**	**2558**	**85**
Chile	515	10948	0	0	0	680	12553	70	0	0
Argentina	1056	806	0	0	0	934	799	0		0
Plurinational State of Bolivia	0	8	0	0	0	0	10	0		0
Brazil	11088	9517	381	1839	0	10184	8253	422	1307	0
Colombia	0	0	0	0	0	91	0	0		0
Paraguay	0	5	0	0	0	0	5	0		0
Peru	0	332	0	75	0	0	171	0		0
Uruguay	0	5	0	0	0	0	5	0		0
South America	**12659**	**21621**	**381**	**1914**	**0**	**11889**	**21796**	**492**	**1307**	**0**
Austria	1760	1327	70	823	10	1837	1283	66	951	6
Belgium	1680	2152	3	258	0	1567	2167	1	350	0
Czech Republic	2420	1389	0	262	185	2198	1368	0	207	61
Denmark	0	2756	0	14	0	0	2387	0	9	0
Estonia	0	44	0	0	0	0	44	0	0	0
Finland	1364	2745	0	311	0	1176	1976	0	320	0
France	4555	8651	0	608	67	4544	5681	0	631	55
Germany	12370	32446	0	2301	21	11251	29742	0	1903	24
Greece	0	379	0	0	0	0	343	0	0	0
Hungary	1382	160	0	95	189	1278	134	0	35	146
Iceland	0	131	0	21	0	0	87	0	15	0
Ireland	0	1329	0	0	0	0	209	0	0	0
Italy	2273	11875	0	654	2	2251	8010	0	582	1
Latvia	0	82	0	0	0	0	79	0	0	0
Lithuania	0	262	2	19	0	0	285	0	17	0
Luxembourg	0	63	0	0	0	0	64	0	1	0
Netherlands	4182	8839	0	110	40	4306	6067	0	98	7
Norway	0	746	0	416	0	0	794	0	360	0
Poland	3520	15724	0	212	276	3441	13240	0	178	207
Portugal	0	4497	0	9	0	0	2575	0	9	0
Slovak Republic	2698	1264	0	305	595	2352	1023	0	235	507
Slovenia	0	10	411	30	0	0	13	413	28	0
Spain	1621	14152	0	412	0	779	6896	0	445	0
Sweden	1399	1319	0	234	0	1526	842	0	456	0
Switzerland	0	15	0	15	110	0	29	0	12	97
Turkey	6037	32292	0	811	0	6410	31731	0	639	0
United Kingdom	2417	7704	0	970	0	2177	4652	0	857	0
Albania	0	132	0	0	0	0	121	0		0
Armenia	0	1	0	0	0	0	4	0		0
Belarus	0	1652	0	56	0	0	4015	0		0
Bosnia and Herzegovina	1457	0	0	38	106	1419	0	0		110
Bulgaria	0	836	0	61	0	0	561	0		0
Croatia	0	499	0	30	36	0	709	0		31
Cyprus	0	22	0	0	0	0	33	0		0
Georgia	0	258	0	162	0	0	254	0		0
Kosovo	0	1	0	0	9	0	1	0		9
Republic of Moldova	2	136	0	0	0	0	147	0		0
Montenegro	0	0	0	0	5	0	0	0		0
Republic of North Macedonia	0	101	92	0	21	0	81	133		35
Romania	7	178	585	721	3	0	163	879		3

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Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2018 & 2019 e

(Quantity in Thousand Tonnes)

Country	2018					2019 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Russian Federation	749	25316	0	120	2160	713	24758	0	66	2244
Serbia	0	260	0	774	369	0	54	0		577
Ukraine	11843	9544	0	840	0	11806	9276	0		0
Europe	**63736**	**191290**	**1161**	**11692**	**4203**	**61030**	**161902**	**1492**	**8403**	**4121**
Australia	23	205	0	235	0	45	137	0	448	0
New Zealand	0	75	526	0	0	0	112	962	0	0
Australia and Oceania	**23**	**280**	**526**	**235**	**0**	**45**	**249**	**962**	**448**	**0**
Algeria	12	0	0	501	0	8	0	0		0
Benin	0	120	0	0	0	0	100	0		0
Egypt	661	4742	0	116	0	307	2225	0		0
Ethiopia	0	619	0	0	0	0	619	0		0
Kenya	0	425	0	0	0	0	501	0		0
Mauritius	0	722	0	0	0	0	713	0		0
Morocco	0	8460	0	0	0	0	10113	0		0
Namibia	0	22	0	0	0	0	3	0		0
Senegal	0	695	0	0	0	0	493	0		0
South Africa	633	0	0	0	0	851	1327	0		0
Zimbabwe	0	11	0	24	0	0	8	0		0
Other Africa	0	1304	0	0	0	0	1861	0		0
Africa	**1306**	**17119**	**0**	**642**	**0**	**1165**	**17964**	**0**	**0**	**0**
Israel	0	7721	0	0	0	0	8417	0	0	0
Japan	46722	137002	0	1515	0	46513	138452	0	680	0
Korea	36202	89547	9828	324	0	36676	91390	2044	308	0
Bangladesh	0	3483	0	0	0	0	4015	0		0
Cambodia	0	0	1180	0	0	0	0	1328		0
Hong Kong (China)	0	10884	0	0	0	0	9809	0		0
India	55506	60804	106192	4931	19	57978	69004	119752		215
Indonesia	5469	0	0	0	0	7391	0	0		0
DPR of Korea	0	0	0	133	0	0	782	0		0
Malaysia	0	32904	0	0	0	0	35425	0		0
Mongolia	0	2	0	0	0	0	54	0		0
Myanmar	0	600	0	0	0	0	373	0		0
Nepal	0	1380	0	0	0	0	674	0		0
Pakistan	0	14482	0	0	0	0	13120	0		0
Philippines	0	21048	4945	307	81	0	22165	4757		85
Singapore	0	776	0	0	0	0	903	0		0
Sri Lanka	0	2166	0	0	0	0	2018	0		0
Chinese Taipei	7069	47878	11566	300	0	6702	49636	11146		0
Thailand	0	25739	0	18	226	0	22160	0		352
Viet Nam	0	12821	9694	231	0	0	30844	13005		0
Other Asia	0	1045	0	0	0	0	1256	0		0
People's Republic of China	64719	216062		10		74743	223727			
Kazakhstan	164	277	0	934	0	225	63	0		0
Kyrgyzstan	0	818	0	0	4	0	352	0		10
Tajikistan	0	7	0	0	1	0	19	0		9
Uzbekistan	0	580	0	0	722	0	720	0		896
Islamic Republic of Iran	1	301	0	354	0	0	301	0		0
Jordan	0	255	0	64	0	0	260	0		0
Lebanon	0	257	0	0	0	0	261	0		0
Syrian Arab Republic	0	0	0	1	0	0	0	0		0
United Arab Emirates	2312	558	0	25	0	2404	579	0		0
Yemen	0	124	0	0	0	0	120	0		0
Asia	**218164**	**689520**	**143406**	**9147**	**1053**	**232632**	**726900**	**152032**	**988**	**1568**
World Total	**301165**	**935336**	**150284**	**26623**	**5337**	**311625**	**947049**	**159187**	**13703**	**5774**

Source: International Energy Agency (IEA).

Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2018 & 2019 e

(Quantity in Thousand Tonnes)

Country	2018					2019 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	32766	710	225	39	66	34353	1691	61	39	67
Mexico	0	5	0	44	0	0	4	0	0	0
United States	55804	42122	6944	1044	30	49998	28340	5869	878	28
North America	**88570**	**42837**	**7169**	**1127**	**96**	**84351**	**30035**	**5930**	**917**	**95**
Chile	0	422	0	31	0	0	0	0	50	0
Argentina	0	2	0	0	0	0	2	0		0
Colombia	2066	81527	0	3099	0	2099	69433	0		0
Peru	0	632	0	0	0	0	630	0		0
Bolivarian Republic of Venezuela	0	155	0	0	0	0	334	0		0
South America	**2066**	**82738**	**0**	**3129**	**0**	**2099**	**70399**	**0**	**50**	**0**
Austria	0	3	0	0	0	0	0	0	0	0
Belgium	0	46	1	26	0	1	111	1	45	0
Czech Republic	1191	763	0	631	838	873	556	0	589	679
Denmark	0	17	0	0	0	0	46	0	0	0
Estonia	0	0	0	13	0	0	0	0	26	0
Finland	0	0	0	71	0	0	0	0	164	0
France	0	0	0	50	0	0	0	0	6	0
Germany	4	198	0	838	0	12	450	0	761	0
Hungary	0	0	0	257	3	0	0	0	276	4
Italy	0	3	0	343	0	0	0	0	278	0
Latvia	0	10	0	0	0	0	5	0	0	0
Netherlands	0	0	0	83	0	0	0	0	124	0
Norway	0	113	0	0	0	0	79	0	0	0
Poland	2923	1984	0	6578	287	2575	1815	0	6172	147
Slovak Republic	0	0	0	5	0	0	0	0	68	0
Spain	0	276	0	245	0	0	430	0	144	0
Sweden	0	0	0	9	0	0	0	0	49	0
Turkey	12	73	0	33	1	9	45	0	0	1
United Kingdom	3	631	0	0	0	3	737	0	0	0
Belarus	0	854	0	0	0	0	3243	0		0
Bosnia and Herzegovina	0	0	0	566	195	0	0	0		156
Bulgaria	0	0	0	0	43	0	0	0		50
Georgia	0	0	0	0	2	0	0	0		1
Kosovo	0	0	0	0	9	0	0	0		22
Montenegro	0	0	0	0	94	0	0	0		0
Republic of North Macedonia	0	1	0	0	0	0	0	1		0
Romania	0	0	0	0	6	0	0	0		0
Russian Federation	26423	172686	0	2739	10807	24572	180522	0	2795	12116
Serbia	0	0	0	0	80	0	0	0		94
Ukraine	46	17	0	26	0	0	14	0		0
Europe	**30601**	**177673**	**1**	**12513**	**12364**	**28046**	**188054**	**2**	**11497**	**13269**

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Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2018 & 2019 e

(Quantity in Thousand Tonnes)

Country	2018					2019 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Australia	179243	202701	0	575	0	183522	209776	0	1044	0
New Zealand	1188	62	28	0	0	1198	92	10	0	0
Australia and Oceania	**180431**	**202763**	**28**	**575**	**0**	**184720**	**209868**	**10**	**1044**	**0**
Botswana	0	240	0	0	0	0	292	0		0
Egypt	0	0	0	170	0	0	0	0		0
Mozambique	6908	6358	0	0	0	4898	5137	0		0
South Africa	766	69664	0	0	0	1153	79487	0		0
Zimbabwe	0	115	0	104	0	0	115	0		0
Other Africa	0	200	0	0	0	0	94	0		0
Africa	**7674**	**76577**	**0**	**274**	**0**	**6051**	**85125**	**0**	**0**	**0**
Japan	0	32	0	1433	0	0	3	0	1594	0
India	60	1349	0	25	40	0	674	0		0
Indonesia	5118	79369	349466	0	0	5752	83127	366013		0
Laos	0	11	0	0	354	0	12	0		96
Malaysia	0	0	0	0	0	0	1	0		0
Mongolia	27148	4160	0	0	735	23215	4816	0		110
Philippines	0	0	5054	0	0	0	0	14092		0
Chinese Taipei	0	1	0	24	0	0	0	0		0
Thailand	0	84	0	0	0	0	3	0		0
Viet Nam	0	2178	0	209	0	0	1043	0		0
Other Asia	0	1033	0	67	0	0	34	0		0
People's Republic of China	1078	978		8159		1489	1027			
Kazakhstan	934	22943	0	67	2757	1351	21256	0		2696
Kyrgyzstan	0	394	0	0	367	0	568	0		448
Tajikistan	0	43	0	0	0	0	18	0		0
Islamic Republic of Iran	2	226	0	91	0	0	226	0		0
United Arab Emirates	0	0	0	0	0	0	0	0		0
Asia	**34340**	**112803**	**354521**	**10076**	**4254**	**31807**	**112808**	**380105**	**1594**	**3350**
World Total	**343684**	**695391**	**361719**	**27695**	**16714**	**337074**	**696289**	**386046**	**15103**	**16714**

Source: International Energy Agency (IEA).

Table 10.8 : Supply of Coal and Coke by Major Exporting Countries during 2018 & 2019 e

(Quantity in Thousand Tonnes)

Country	2018					2019 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	3190	3429	16562	3687	8964	3201	4406	14995	3631	8958
Mexico	5044	6805	7172	2342	325	4619	7564	6491	2145	325
United States	16766	227588	321893	11772	52693	16319	204562	264186	11332	47105
Others Country	0	3362	0	580	0	0	3822	0	0	0
North America	**25000**	**241184**	**345627**	**18381**	**61982**	**24139**	**220354**	**285672**	**17108**	**56388**
Chile	515	12562	0	312	0	680	14160	70	468	0
Argentina	1056	960	0	1185	0	934	819	0		0
Plurinational State of Bolivia	0	8	0	0	0	0	10	0		0
Brazil	11138	9073	3756	11466	1448	10144	8460	4071	10520	1622
Colombia	3489	4172	0	65	0	2991	4310	0		0
Paraguay	0	5	0	0	0	0	5	0		0
Peru	0	895	0	74	0	0	914	0		0
Uruguay	0	5	0	0	0	0	5	0		0
Bolivarian Republic of Venez	0	45	0	0	0	0	27	0		0
South America	**16198**	**27725**	**3756**	**13102**	**1448**	**14749**	**28711**	**4141**	**10989**	**1622**
Austria	1745	1472	70	2083	10	1758	1392	66	2321	6
Belgium	1630	1940	106	1437	0	1624	1890	91	1490	0
Czech Republic	3388	3169	0	2200	38794	3198	2038	0	1966	36367
Denmark	0	2685	0	13	0	0	1525	0	10	0
Estonia	0	50	0	0	0	0	46	0	0	0
Finland	1272	2869	0	1066	0	1148	2397	0	958	0
France	4447	8578	0	3796	77	4330	6086	0	3702	55
Germany	15137	35560	0	10815	167199	11239	29292	0	8734	131255
Greece	0	434	0	0	37874	0	328	0	0	26314
Hungary	1346	155	0	734	8175	1294	135	0	664	6963
Iceland	0	144	0	21	0	0	87	0	15	0
Ireland	0	1168	0	0	0	0	516	0	0	0
Italy	2427	11548	0	2093	2	2313	7150	0	2189	1
Latvia	0	78	0	0	0	0	67	0	0	0
Lithuania	0	265	1	19	0	0	261	1	17	0
Luxembourg	0	63	0	0	0	0	64	0	1	0
Netherlands	4267	8815	0	1975	40	4254	5926	0	1934	7
Norway	0	793	0	428	0	0	829	0	359	0
Poland	12707	62127	0	2971	58583	12406	56629	0	2708	50379
Portugal	0	4546	0	9	0	0	2106	0	10	0
Slovak Republic	2709	1211	0	1803	2054	2320	1031	0	1456	1908
Slovenia	0	11	419	30	3259	0	14	335	28	3123
Spain	1589	17347	1380	1604	0	1043	6736	730	1422	0
Sweden	1476	1320	0	1239	0	1508	911	0	1375	0
Switzerland	0	53	0	15	107	0	29	0	12	97

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Table 10.8 : Supply of Coal and Coke by Major Exporting Countries during 2018 & 2019 e

(Quantity in Thousand Tonnes)

Country	2018					2019 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Turkey	6415	33130	1583	5114	80898	6984	33174	1580	4944	85747
United Kingdom	2314	9596	0	2163	0	2452	5481	0	2319	0
Curacao/Netherlands Antille	0	0	0	0	0	0	0	0		0
Albania	0	428	0	0	0	0	216	0		0
Armenia	0	1	0	0	0	0	4	0		0
Belarus	0	645	0	57	0	0	749	0		0
Bosnia and Herzegovina	1457	0	0	429	14154	1372	0	0		13144
Bulgaria	0	1004	0	62	30166	0	961	0		27877
Croatia	0	549	0	31	36	0	660	0		31
Cyprus	0	23	0	0	0	0	28	0		0
Georgia	0	226	0	159	138	0	246	0		4
Kosovo	0	1	0	0	7692	0	1	0		8030
Republic of Moldova	2	129	0	0	0	0	151	0		0
Montenegro	0	0	0	0	1573	0	0	0		0
Republic of North Macedonia	0	91	83	0	4738	0	84	129		5789
Romania	7	173	614	748	24339	2	164	762		21513
Russian Federation	65966	92170	0	38641	71806	71232	76172	0	24161	72277
Serbia	0	262	0	838	38498	0	56	0		39600
Ukraine	15550	30836	1226	11624	0	17569	28114	929		0
Europe	**145851**	**335664**	**5482**	**94217**	**590211**	**148046**	**273746**	**4623**	**62793**	**530487**
Australia	4240	27785	28200	2182	45956	3643	27824	26268	2068	43315
New Zealand	1	153	1987	486	307	1	95	2496	425	290
Australia and Oceania	**4241**	**27938**	**30187**	**2668**	**46263**	**3644**	**27919**	**28764**	**2493**	**43605**
Algeria	8	0	0	549	0	8	0	0		0
Benin	0	0	0	0	0	0	100	0		0
Botswana	0	2078	0	0	0	0	1679	0		0
Egypt	661	4742	0	503	0	307	2225	0		0
Ethiopia	0	622	0	0	0	0	621	0		0
Kenya	0	425	0	0	0	0	501	0		0
Mauritius	0	722	0	0	0	0	713	0		0
Morocco	0	7484	0	0	0	0	10099	0		0
Mozambique	48	1	0	0	0	348	0	0		0
Namibia	0	13	0	0	0	0	3	0		0
Niger	0	0	0	0	276	0	0	0		246
Nigeria	0	47	0	0	0	0	45	0		0
Senegal	0	695	0	0	0	0	493	0		0
South Africa	3802	182042	0	2281	0	3601	171506	0		0
United Republic of Tanzania	0	628	0	0	0	0	276	0		0
Zambia	0	1174	0	0	0	0	1174	0		0
Zimbabwe	298	2679	0	140	0	298	1530	0		0
Other Africa	0	1346	0	0	0	0	1817	0		0
Africa	**4816**	**204696**	**0**	**3473**	**276**	**4562**	**192781**	**0**	**0**	**246**

Contd.....

Table 10.8 : Supply of Coal and Coke by Major Exporting Countries during 2018 & 2019 e

(Quantity in Thousand Tonnes)

Country	2018					2019 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Coke Oven Coke	Lignite/ Brown Coal & Peat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Israel	0	7980	0	0	0	0	7963	0	0	0
Japan	46722	138299	0	32660	0	46513	139193	0	31745	0
Korea	36328	90897	9828	17218	0	36412	91610	2044	16484	0
Bangladesh	0	4406	0	0	0	0	5035	0		0
Cambodia	0	0	1240	0	0	0	0	1328		0
Hong Kong (China)	0	10226	0	0	0	0	9809	0		0
India	94639	756105	106192	42571	45800	93598	743344	103347		43675
Indonesia	5469	1750	112517	0	0	7391	8045	153222		0
Democratic People's Republ	0	16478	1602	133	0	0	29090	2752		0
Laos	0	132	0	0	14566	0	138	0		15224
Malaysia	0	35872	0	0	0	0	38882	0		0
Mongolia	70	2756	0	48	6162	64	3032	0		6156
Myanmar	0	600	820	0	486	0	373	316		463
Nepal	0	1405	0	0	0	0	690	0		0
Pakistan	0	17642	0	0	1387	0	16885	0		1209
Philippines	0	21048	9621	307	81	0	22165	10202		85
Singapore	0	776	0	0	0	0	903	0		0
Sri Lanka	0	2084	0	0	0	0	2018	0		0
Chinese Taipei	7067	48782	11879	6620	0	6702	46366	11254		0
Thailand	0	19207	0	61	14587	0	16809	0		13994
Viet Nam	0	57765	9694	22	0	0	75488	13005		0
Other Asia	0	2316	0	2	0	0	5353	0		0
People's Republic of China	547337	3234991		427851		575799	3242993			
Kazakhstan	3541	74556	0	3542	3809	3076	73580	0		3083
Kyrgyzstan	0	747	0	0	1892	0	129	0		1750
Tajikistan	0	1805	0	0	66	0	1965	0		73
Uzbekistan	0	778	0	0	5990	0	821	0		6324
Islamic Republic of Iran	1480	239	0	1623	0	1546	248	0		0
Jordan	0	255	0	64	0	0	260	0		0
Lebanon	0	257	0	0	0	0	261	0		0
Syrian Arab Republic	0	0	0	1	0	0	0	0		0
United Arab Emirates	2311	558	0	25	0	2404	579	0		0
Yemen	0	124	0	0	0	0	120	0		0
Asia	**744965**	**4550835**	**263393**	**532747**	**94826**	**773505**	**4584147**	**297471**	**48229**	**92035**
World Total	**941071**	**5388042**	**648445**	**664589**	**795006**	**968646**	**5327658**	**620670**	**141613**	**724383**

Source: International Energy Agency (IEA).

Section XI

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 31.03.2019.

11.1.2 As on 31.03.20, 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 31.03.2020

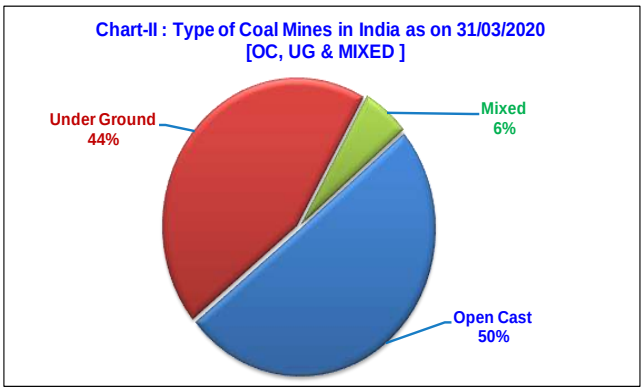
State	No. of Coal Mines		
	Captive	Non-Captive	Total
Assam	0	3	3
Chhattisgarh	11	43	54
J & K	0	2	2
Jharkhand	3	116	119
Madhya Pradesh	4	56	60
Maharashtra	2	52	54
Odisha	4	25	29
Uttar Pradesh	0	5	5
Telangana	1	45	46
West Bengal	4	66	70
All India	**29**	**413**	**442**

11.1.3 As on 31.03.2020, the total number of operating lignite mines was reported to be 19. 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 31.03.2020

State	No. of coal mines		
	Captive	Non-Captive	Total
Gujarat	10	0	10
Rajasthan	5	1	6
Tamil Nadu		3	3
All India	**15**	**4**	**19**

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.



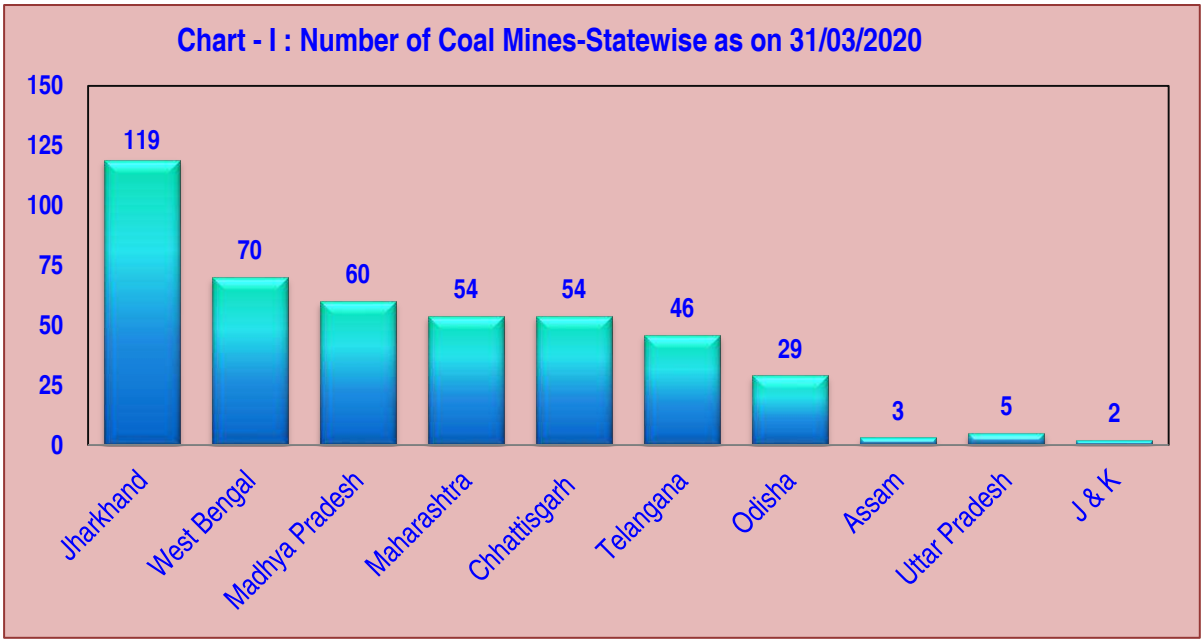


Chart - I : Number of Coal Mines-Statewise as on 31/03/2020
150
125
100
75
50
25
0
119
70
60
54
54
46
29
3
5
2
Jharkhand
West Bengal
Madhya Pradesh
Maharashtra
Chhattisgarh
Telangana
Odisha
Assam
Uttar Pradesh
J & K

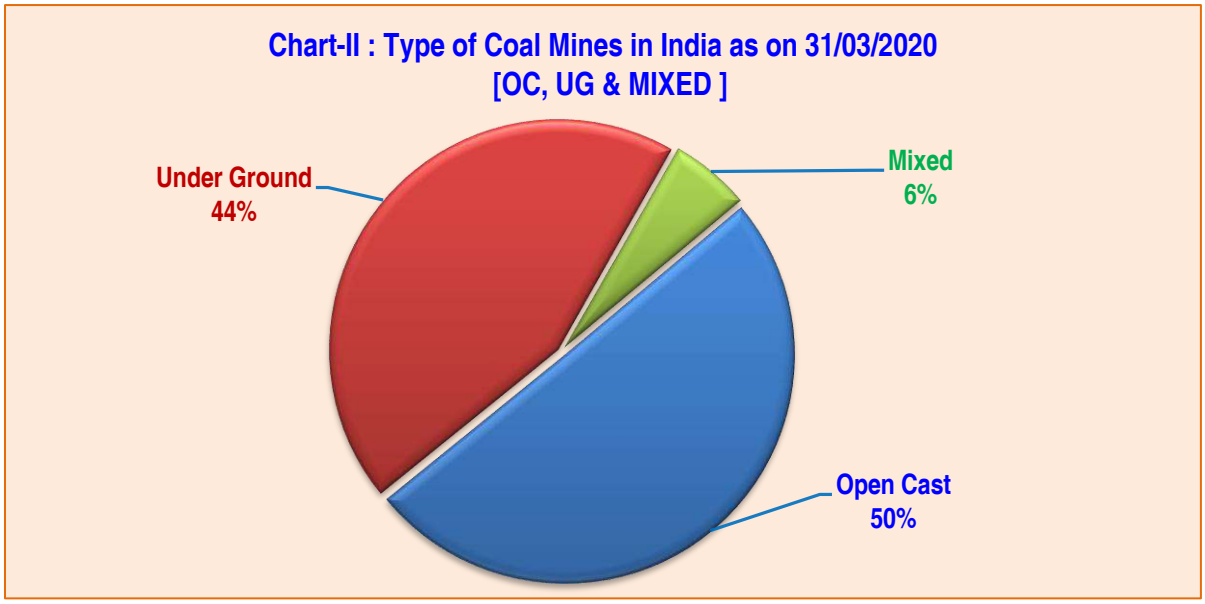


Chart-II : Type of Coal Mines in India as on 31/03/2020
[OC, UG & MIXED]
Under Ground
44%
Mixed
6%
Open Cast
50%

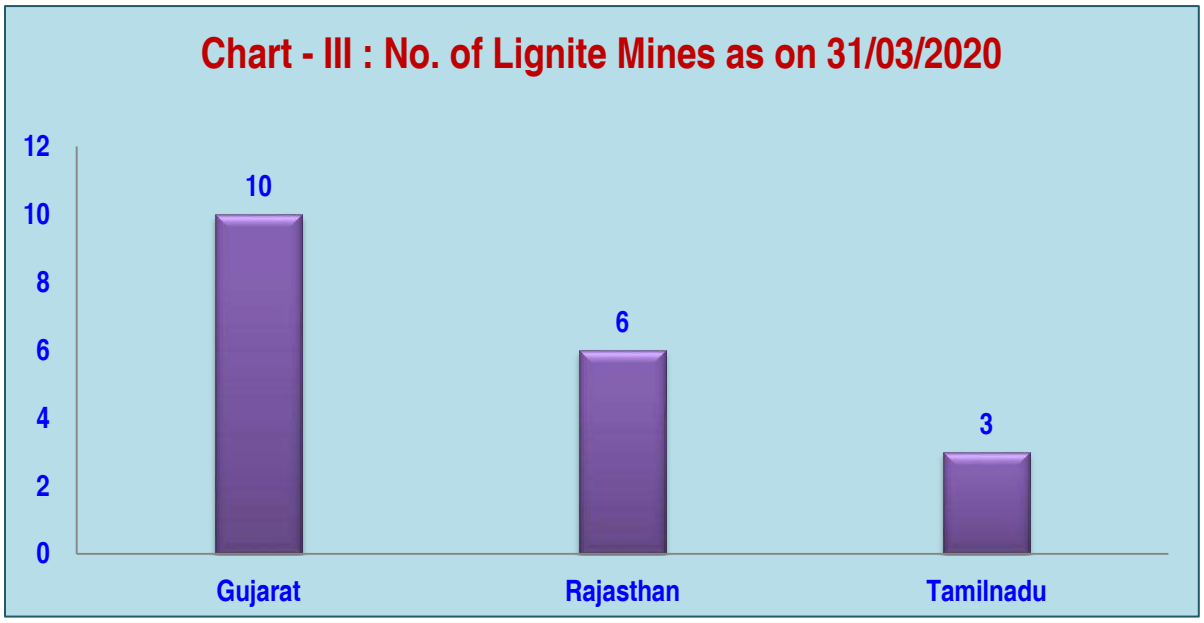


Chart - III : No. of Lignite Mines as on 31/03/2020
12
10
8
6
4
2
0
10
6
3
Gujarat
Rajasthan
Tamilnadu

Table 11.1: Number of Coal & Lignite Mines -Companywise as on 31/03/2020

Coal / Lignite	Company	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	ECL	20	49	9	**78**
	BCCL	16	11	9	**36**
	CCL	43	11	0	**54**
	NCL	13	0	0	**13**
	WCL	43	28	2	**73**
	SECL	20	50	0	**70**
	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	**177**	**158**	**20**	**355**
	SCCL	18	27	0	**45**
	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**
	WBPDCL	3	0	0	**3**
	TSPGCL	1	0	0	**1**
	CSPGCL	1	0	0	**1**
	OCPL	1	0	0	**1**
	PUBLIC	**209**	**188**	**23**	**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	**222**	**195**	**25**	**442**
Lignite	NLCL	4			**4**
	GMDCL	6			**6**
	GIPCL	3			**3**
	GHCL	1			**1**
	RSMML	3			**3**
	VSLPPL	1			**1**
	BLMCL	1			**1**
	Total	**19**			**19**

Table 11.2: Number of Coal & Lignite Mines -Statewise as on 31/03/2020

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	29	1	**54**
	J & K	0	2	0	**2**
	Jharkhand	74	33	12	**119**
	Madhya Pradesh	22	36	2	**60**
	Maharashtra	38	16	0	**54**
	Odisha	21	8	0	**29**
	Telangana	19	27	0	**46**
	Uttar Pradesh	5	0	0	**5**
	West Bengal	17	43	10	**70**
	All India	**222**	**195**	**25**	**442**
Lignite	Gujarat	10			**10**
	Tamilnadu	3			**3**
	Rajasthan	5			**5**
	All India	**18**			**18**

Table 11.3: Number of Mines -Sectorwise as on 31/03/2020

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Public	209	188	23	**420**
	Private	13	7	2	**22**
	Total	**222**	**195**	**25**	**442**
LIGNITE :	Public	17			**17**
	Private	2			**2**
	Total	**19**			**19**

Table 11.4: Number of Mines -Captive/Non Captive as on 31/03/2020

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Captive	25	3	1	**29**
	Non Captive	197	192	24	**413**
	Total	**222**	**195**	**25**	**442**
LIGNITE :	Captive	15			**15**
	Non Captive	4			**4**
	Total	**19**			**19**

Table 11.5: Number of Mines -Public/Private, Captive/Non Captive as on 31/03/2020

Type	Sector	No. of Collieries			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Public Non-Captive	194	188	23	**405**
	Private Non-Captive	3	4	1	**8**
	Public Captive	15	0	0	**15**
	Private Captive	10	3	1	**14**
	Total	**222**	**195**	**25**	**442**
LIGNITE :	Public Captive	13			**13**
	Public Non-Captive	4			**4**
	Private Captive	2			**2**
	Private Non-Captive	0			**0**
	Total	**19**			**19**

Table 11.6: Number of Working Coal Mines as on 31/03/2020
(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)	(5)	(6)	(1)	(2)	(3)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
ECL						0				0			0	8	6	1	15				0
BCCL						0				0			0	15	11	9	35				0
CCL						0				0			0	43	11		54				0
NCL						0				0			0				0	8			8
WCL						0				0			0				0	6	13	2	21
SECL						0	15	28	0	43			0				0	5	22		27
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**	**28**	**0**	**46**	**0**	**0**	**0**	**66**	**28**	**10**	**104**	**19**	**35**	**2**	**56**
SCCL			0			0				0			0				0				0
JKML			0			0				0		2	2				0				0
JSMDCL			0			0				0			0	1			1				0
DVC			0			0				0			0	1			1				0
IISCO			0			0				0			0		1	1	2				0
SAIL			0			0				0			0	1			1				0
RRVUNL			0			0	2			2			0				0				0
NTPC			0			0	1			1			0	1			1				0
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
PUBLIC	**0**	**0**	**0**	**2**	**1**	**3**	**22**	**28**	**0**	**50**	**0**	**2**	**2**	**70**	**29**	**11**	**110**	**19**	**35**	**2**	**56**
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**	**29**	**1**	**54**	**0**	**2**	**2**	**74**	**33**	**12**	**119**	**22**	**36**	**2**	**60**

Contd...

Table 11.6: Number of Working Coal Mines as on 31/03/2020
(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
(26)	(27)	(28)	(29)	(30)	(40)	(41)	(31)	(32)	(33)	(34)	(35)	(2)	(3)	(4)	(36)	(37)	(38)	(39)	(42)	(43)	(44)	(45)
ECL				0		0			0		0			0	12	43	8	63	**20**	**49**	**9**	**78**
BCCL				0		0			0		0			0	1			1	**16**	**11**	**9**	**36**
CCL				0		0			0		0			0				0	**43**	**11**	**0**	**54**
NCL				0		0			0	5	5			0				0	**13**	**0**	**0**	**13**
WCL	37	15		52		0			0		0			0				0	**43**	**28**	**2**	**73**
SECL				0		0			0		0			0				0	**20**	**50**	**0**	**70**
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**	**177**	**158**	**20**	**355**
SCCL				0		0			0		0	18	27	45				0	**18**	**27**	**0**	**45**
JKML				0		0			0		0			0				0	**0**	**2**	**0**	**2**
JSMDCL				0		0			0		0			0				0	**1**	**0**	**0**	**1**
DVC				0		0			0		0			0				0	**1**	**0**	**0**	**1**
IISCO				0		0			0		0			0			2	2	**0**	**1**	**3**	**4**
SAIL				0		0			0		0			0				0	**1**	**0**	**0**	**1**
RRVUNL				0		0			0		0			0				0	**2**	**0**	**0**	**2**
NTPC				0		0	1		1		0			0				0	**3**	**0**	**0**	**3**
WBPDCL				0		0			0		0			0	3			3	**3**	**0**	**0**	**3**
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**
PUBLIC	**37**	**15**	**0**	**52**	**0**	**0**	**19**	**8**	**27**	**5**	**5**	**19**	**27**	**46**	**16**	**43**	**10**	**69**	**209**	**188**	**23**	**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	**1**	**1**	**1**	**3**
SPL				0		0			0		0			0				0	**2**	**0**	**0**	**2**
GMR				0		0	1		1		0			0				0	**1**	**0**	**0**	**1**
BALCO				0		0			0		0			0				0	**1**	**0**	**0**	**1**
SIL		1		1		0			0		0			0				0	**0**	**1**	**0**	**1**
JPVL				0		0			0		0			0				0	**1**	**0**	**0**	**1**
RCCPL				0		0			0		0			0				0	**0**	**1**	**0**	**1**
TUML	1			1		0			0		0			0				0	**1**	**0**	**0**	**1**
TUML	0			0		0	1		1		0			0				0	**1**	**0**	**0**	**1**
TUML	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**	**21**	**8**	**29**	**5**	**5**	**19**	**27**	**46**	**17**	**43**	**10**	**70**	**222**	**195**	**25**	**442**

Table 11.7: Number of Working Lignite Mines as on 31/03/2020

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
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			**10**	**0**	**10**	**3**	**0**	**3**	**6**	**0**	**6**	**19**	**0**	**19**

TABLE 11.8: NO. OF COAL MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE AS WELL AS STATE-WISE BREAKUP as on 31/03/2020

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	43	**54**	50	4	**54**
Jammu & Kashmir	0	2	**2**	2	0	**2**
Jharkhand	3	116	**119**	110	9	**119**
Madhya Pradesh	4	56	**60**	56	4	**60**
Maharashtra	2	52	**54**	52	2	**54**
Odisha	4	25	**29**	27	2	**29**
Uttar Pradesh	0	5	**5**	5	0	**5**
Telangana	1	45	**46**	46	0	**46**
West Bengal	4	66	**70**	69	1	**70**
All India	**29**	**413**	**442**	**420**	**22**	**442**

TABLE 11.9: NO. OF LIGNITE MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE AS WELL AS STATE-WISE BREAK UP as on 31/03/2020

State	Captive	Non-Captive	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gujarat	10	0	**10**	9	1	**10**
Rajasthan	5	1	**6**	5	1	**6**
Tamilnadu		3	**3**	3		**3**
All India	**15**	**4**	**19**	**17**	**2**	**19**

Annexure-I

ABBREVIATIONS

COAL COMPANIES:	
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 Viddyut Unnayan Nigam Limited - Public - Captive
NTPC	National Tharmal Power Corporation - Public - Captive
WBPDCL	West Bengal Power Development Corporation Ltd. - Public - Captive
TSPGCL	Telangana State Power Generation Corporation Ltd. - Private - Captive
CSPGCL	Chhattisgrah 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 Limted - 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:	
NLC	Neyveli Lignite Corporation Limited - Public - Non Captive
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
O.C.	OPEN CAST
U.G.	UNDER GROUND
OBR	Over Burden Removal