

COAL DIRECTORY OF INDIA

2018 - 19

Coal Statistics



सत्यमेव जयते

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

COAL DIRECTORY OF INDIA 2018-19

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FOREWORD

Coal, a fossil fuel, is the largest source of energy, primarily used to produce electricity and heat through combustion. Coal gasification can be used to produce syn-gas, which can be further transformed into transportation fuel like gasoline and diesel. Coal can also be directly liquefied into diesel through highly sophisticated techniques. Coal liquefaction is one of the backstop technologies that could potentially limit escalation of oilprices and also coal will have a key role to discharge in the global energymix.

The goal of coal mining is to economically remove coal from the ground. In a developing country like India, growth in energy consumption is entwined with the economic growth. Coal, being a relatively cheap energy resource in contrast to a very low hydrocarbon resource potential, remains the focus of attention of the energy planners ever since the oil crunch of the early seventies. For making a strategic coal sector plan for the country on a continuing basis, a sound data base is essential.

Coal Controller's Organisation has been carrying out for the past several years the task of collection and dissemination of data related to the coal and lignite sector of the country to meet data requirement of the Ministry of Coal, related Ministries and Government Organisations, different research bodies, planners, thinkers etc. through its publications namely 'The Coal Directory of India' and 'Provisional Coal Statistics'. Coal Directory of India provides Coal and Lignite Statistics spreading over eleven sections covering some general economy data, brief history of coal sector in India, present status, reserve, production, dispatches, pit head closing stock, price, export and import, trends of coal consumption in power, steel and cement production, 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 Organisation. We are grateful to different data supply agencies viz., all CIL Subsidiaries, SCCL and other coal companies, SAIL Units, 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 so as to make the Coal Directory of India 2018-19 an exhaustive data-base related to coal & lignite.

The maintenance of relevant data, subsequent validation and updating and preparation of tables in a more presentable and concise form have been carried out by the sincere efforts of the Officers and staff associated with the Statistics Wing of the Coal Controller's Organisation.

Suggestions for further improvement are most welcome.

Kolkata:

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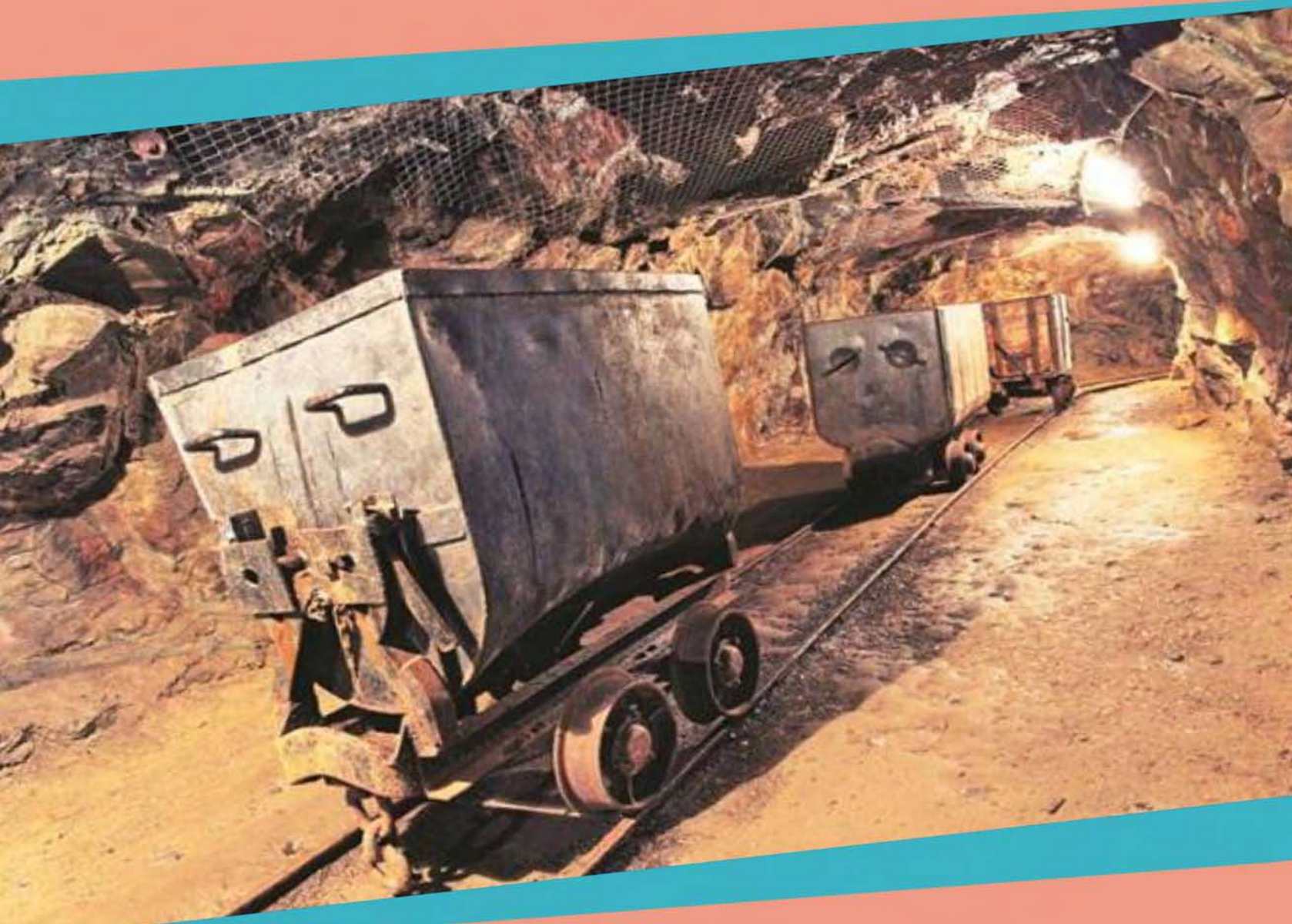
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Section

1

Historical Perspective



COAL DIRECTORY OF INDIA 2018-19

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, Sumner & 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 Andhra Pradesh 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 reorganising and restructuring of coal mines in the backdrop of the then existing unsatisfactory mining conditions, violation of mine safety norms, industrial unrest, inadequate capital investments in mine development, reluctance to mechanise 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 of 218 coal blocks, 87 coal blocks were de-allocated due to non-performance and 7 blocks have been reallocated resulting 138 coal blocks and 28 lignite blocks remained allocated under the category of Captive Coal Block by the end of 2013-14. 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 (i.e. a total of 14 Blocks).

Further, allocation of four (4) 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 Schedule-I coal mines started by way of Public Auction or on the basis of Competitive Bids for Tariff. Up to 31.03.2018 re-allocation (either vested, allotted or custodian) were done in respect of 107 coal blocks. In 2017-18 Marki Mangli I captive coal block of Topworth Urja & Metals Ltd. started coal production. Another 14 Captive Coal Blocks vested/allotted and 3 Captive Coal Blocks under CIL produced coal. From these total 18 Captive Coal Blocks production of coal was 41.620 Million Tonnes in 2017-18

Under the "Auction by Competitive Bidding Rules, 2012", 13 regionally explored coal blocks have been allotted to Central/State Government companies up to 31.03.2018.

Therefore, as on 31.03.2018, numbers of coal blocks stand exist as 107 (vested/allotted 77 + Custodian 07 + Under Auction by Competitive Bidding Rules, 2012 13 and blocks allocated through earlier dispensations 10).

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/ consumers 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 agreements.
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 Fertiliser 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. Linkage system will be replaced by FSA.
7. New consumers of Power (U) /IPP/ CPP/ Fertilizers/ Cement/ DRI plant will be issued Letter of Assurance (LOA), with a validity of 24 months, subject to prevailing norm, recommendation of concerned Ministry and 5% Earnest money deposit. On necessary progress of the plants, consumer may approach to CIL/SCCL for converting LOA into FSA.
8. Existing Standing Linkage Committee would continue to recommend LOA in respect of Power (U)/ IPP /CPP, Cement and Sponge Iron Plants including Steel.

1.5 Import of Coal

1.5.1 Present import policy allows coal to be freely imported under Open General License by the consumers themselves considering their needs. Coking coal is imported by Steel sector and coke manufacturers mainly on availability and quality consideration. Coast based power stations and cement plants are also importing non-coking coal on consideration of transport logistics, commercial prudence. In spite of hardening prices of both coking and non-coking coal internationally and increase in ocean freight, large amount of coal continued to be imported.

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 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 constitute 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 less 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 carbonisation of coal, used mainly in the iron & steel industry.

1.10 Categorisation of Coal in India

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

Grade	Ash Content
Steel Gr I	Ash content < 15%
Steel Gr II	15% ≤ Ash content < 18%
Washery Gr I	18% ≤ Ash content < 21%
Washery Gr. II	21% ≤ Ash content < 24%
Washery Gr. III	24% ≤ Ash content < 28%
Washery Gr. IV	28% ≤ Ash content < 35%

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 is 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.

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 ratio between input and output and can be interpreted in different ways by different people. To some people, it is output per man shift (OMS). To the production people, it is actual return from plants, machineries of productivity of machineries.

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, Sales tax, Stowing Excise Duty 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. (JSMDC) 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 realisation, which includes cost price and profit/loss per unit but excludes any transportation cost from pit-head, Cess, Royalty, Sales tax, Stowing Excise Duty 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 Harmonised 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

Production

In the year 2018-19, the total production of raw coal in India was 728.718 MT whereas it was 675.400 MT in 2017-18. Thus in 2018-19, production of coal increased by 7.31 % over 2017-18. In the year 2018-19 production of lignite was 44.283 MT against 46.644 MT in 2017-18, thus in 2018-19 production decreased by 2.36 % over 2017-18. [Ref : table 3.1]

The contribution of public sector and private sector in the production of Raw Coal in 2018-19 was as follows: [Ref : table 3.10]

Production of Raw Coal in 2018-19 (MT)			
Sector	Coking	Non Coking	Total Coal
Public	34.586	660.397	694.983
Private	6.546	27.189	33.735
All India	41.132	687.586	728.718

The production of coking coal in 2018-19 was 41.132 MT whereas it was 40.148 MT in 2017-18, thus 2.5% growth over 2017-18. In 2018-19, the production of non-coking coal was 687.586 MT whereas it was 635.252 MT in 2017-18, thus 8.2% growth over 2017-18. [Ref Table: 3.2].

In 2018-19, the production of washed coal (coking) was 5.570 MT compared to 5.753 MT in 2017-18, thus decreased by 3.2% over 2017-18. In 2018-19, production of middling (coking) was 3.502 MT whereas in 2017-18 it was 3.670 MT, thus decreased by 4.6% over 2017-18. [Ref Table: 3.3]

In 2018-19, Chhattisgarh registered highest coal production of 161.893 MT (22.2%), followed by Odisha 144.312 MT (19.8%), Jharkhand 134.666 MT (18.5%) and Madhya Pradesh 118.661 MT (16.3%). In 2018-19, Tamil Nadu was the largest producer of lignite and produced 23.041 MT (52%) followed by Gujarat 12.566 MT (28.8%) and Rajasthan 8.676 MT (19.6%). [Ref Table: 3.8 & 3.9]

Coal India Limited produced 606.887 MT (83.28%) and SCCL 64.401 MT (8.9%) of coal in 2018-19. In that year main producer of lignite was Neyveli Lignite Corporation and produced 24.250 MT (54.76%). [Ref Table: 3.10]

Like previous years in 2018-19, Jharkhand produced the maximum coking coal in India, 39.641 MT which was 96.3% of total coking coal production (41.132 MT). As the highest non-coking coal producing state, Chhattisgarh 161.893 MT (22.2%) followed by Odisha produced 144.312 MT (19.8%) and Jharkhand 134.666 MT (18.5%). [Ref Table: 3.11 & 3.8]

In 2018-19, around 94.17% of coal production in India was from opencast mines (686.214 MT) and the rest 5.83% was from underground mines (42.504 MT). [Ref Table:-3.18]. MCL produced highest quantity of coal from Open cast mines, 143.280 MT (20.88%) followed by SECL which produced 137.62 MT (20.06%). SECL produced highest quantity of coal from underground mines, 14.773 MT (34.76%) followed by SCCL which produced 9.178 MT (21.59%). [Ref Table: 3.19]

Overall stripping ratio for the year 2018-19 was 2.47 (stripping ratio is defined as the ratio of overburden removal to coal produced in open cast mining.) [Ref table 3.21]

Productivity (OMS) of opencast mines in 2018-19 was 15.21 Tonnes for CIL and 16.95 Tonnes for SCCL. OMS for underground mines of CIL was 0.95Tonnes and for SCCL was 1.39 Tonnes.(OMS is the output measured in tonnes per unit of man-shift) [Ref table: 3.22].

Despatch

In the year 2018-19, despatch of indigenous raw coal was 732.794 MT against 690.003 MT in 2017-18, increased by 6.20 % over 2017-18. In 2018-19, despatch of lignite was 45.810 MT against 46.317 MT in 2017-18, increased by 5.88 % over 2017-18. [Ref table : 4.1]

The contribution of public sector and private sector in the despatch of raw coal in 2018-19 was as follows: [Ref table : 4.10]

Despatch of Raw Coal in 2017-18 (MT)			
Sector	Coking	Non-coking	Total Coal
Public	36.757	662.162	698.919
Private	6.561	27.314	33.875
All India	43.318	689.476	732.794

Despatch of coking coal decreased to 43.318 MT in 2018-19 from 45.380 MT in 2017-18. [Ref: table 4.10].

In 2018-19, despatch of non-coking coal was 689.476 MT whereas it was 644.623 MT in 2017-18, thus increased by 6.50 % over 2017-18. [Ref table : 4.10]

In 2018-19, despatch of washed coal (coking) was 5.551 MT against 5.778 MT in 2017-18, decreased by 3.93 % over 2017-18. In 2018-19, despatch of middling (coking) was 3.856 MT against 4.071 MT in 2017-18, decreased by 5.28% over 2017-18. [Ref table : 4.3]

In 2018-19, major quantity of coal was despatched from Chhattisgarh 159.98 MT (21.83%) followed by Odisha 142.46 MT (19.44 %), Jharkhand 136.061 MT (18.57%), Madhya Pradesh 103.404 MT (14.11%) and Telangana 68.426 MT (9.34%). [Ref table : 4.8]

In case of lignite despatch, Tamil Nadu had the highest share of 24.510 MT (53.50%) followed by Gujarat 12.555 MT (27.41%) and Rajasthan 8.746 MT (19.09%). [Ref table : 4.9]

Out of the total despatch of raw coal in 2018-19, despatch of CIL was 607.953 MT (82.96%) and SCCL 67.669 MT (9.23%). Among the other PSUs maximum coal was despatched by RRVUNL 15.00 MT. Despatch of coal from private sector was 33.875 MT in which SPL had the largest share of 18.001 MT followed by TSL of 6.561 MT. [Ref table : 4.10]

Power Sector (Utility) continued to be the largest user of coal. In 2018-19, coal despatched to power sector was 567.645 MT (77.46%) compared to 519.582 MT (75.3%) in 2017-18. Coal despatched to steel sector was 12.813 MT in 2018-19 and 11.074 MT in 2017-18. Coal despatched to cement sector was 8.816 MT in 2018-19 compared to 7.708 MT in 2017-18 [Ref table : 4.20]

In 2018-19, out of total despatch of raw coal, despatch (external) by rail was 338.484 MT (46.2%) and by road 235.217 MT (32.09%). [Ref table : 4.17]

Pit Head Closing Stock

Pit-head closing stock of raw coal at the end of 2018-19 was 57.640 MT against 2017-18 was 62.036 MT. Closing Stock of lignite at the end of 2018-19 was 5.672 MT whereas it was 7.210 MT at the end of 2017-18. [Ref table: 5.1]. Out of total closing stock at the end of 2018-19, share of public sector was 56.776 MT. [Ref table: 5.6]

At the end of 2018-19, Pit-head closing stock of coking coal was 4.135 MT against 6.052 MT at the end of 2017-18 MT and pit-head closing stock of non-coking coal was 53.505 MT against 55.98 at the end of 2017-18. [Ref table: 5.2].

Import and Export

In 2018-19, total import of coal was 235.348 MT compared to 208.249 MT in 2017-18, an increase of 11.51 % over 2017-18. In 2018-19, import of coking coal was 51.837 MT compared to 47.004 MT in 2017-18, an increase of 9.32% over 2017-18. Import of non-coking coal was 183.510 MT in 2018-19 compared to 161.245 MT in 2017-18, an increase of 12.13% over 2016-17. [Ref table : 7.1]

In 2018-19, coal was mainly imported from the Countries Indonesia (112.881 MT), Australia (48.166 MT), South Africa (31.152 MT), USA (14.97 MT), Mozambique (7.092 MT) and Russia (4.920 MT) [Ref table : 7.3]

In 2018-19, coal was mainly imported through the Ports Mundra (24.20 MT), Krishnapatnam (21.884 MT), Paradip Sea (18.826 MT), Gangavaram port (18.331 MT), Kandla (14.859 MT), Visakhapatnam Sea (14.946 MT), Kolkata Sea (13.469 MT), Dharma Chandbali (11.478 MT), Sez Mundra (8.834 MT), and Marmagaon Sea (7.631 MT). [Ref table : 7.5]

In 2018-19, export of coal was 1.306 MT compared to 1.5037 MT in 2017-18. Coal was mainly exported to Bangladesh (0.402 MT) and Nepal (0.823 MT). [Ref table : 7.4]

Coal was mainly exported through Panitanki (0.313 MT), Borsorah (0.173 MT), Chasuapara (0.146 MT), and Nautanwa/ Sonauli (0.161 MT). [Ref table :7.6]

Captive Coal block

In the year 2018-19, the total production of raw coal from captive coal blocks in India was 54.85 MT compared to 41.30 MT in 2017-18, resulting an increase of 24.7% over 2017-18. During 2018-19, production of coal from coal blocks allocated for Power Sector was 51.75 MT over 31.16 MT coal produced in 2017-18 accounting a significant increase in production over previous year 2017-18. [Ref table 9.9(a) and 9.9(b)]

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%

N.B : F=Final , P=Provisional

(G) Geological Coal Reserve

As per Geological Survey of India, geological reserves of coal in India as on 01.04.2019 was 3,26,496 Million Tonnes. The type wise break up of coal reveals that reserve of coking coal (prime, medium and semi-coking) was 35,005 Million Tonnes and non-coking coal was 2,91,492 Million Tonnes.

Total coal extracted since 1950 up to 2018-19 was around 1,58,49,939 Thousand Tonnes.

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

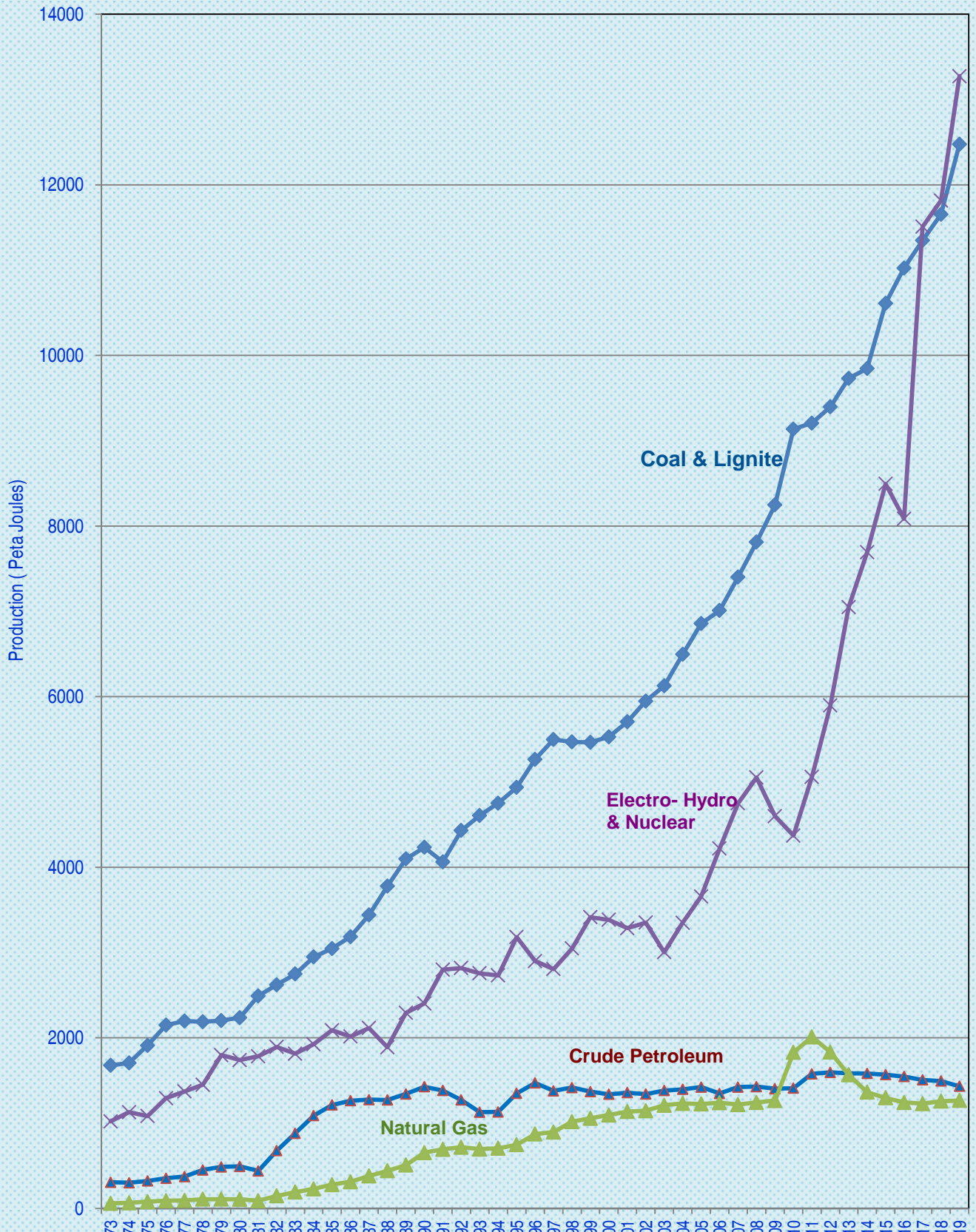


TABLE -1.1: GROWTH OF INDIAN COAL SECTOR AT A GLANCE

Sl. No.	Item	Unit	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Reserves (Proved)						
	(i) Coking Coal	Mn.Tonne	18,003	18,485	18,634	19,082	20,063
	(ii) Non Coking	"	1,13,129	1,19,602	1,24,423	1,29,705	1,35,552
	(iii) Lignite	"	6,182	6,182	6,541	6,541	6,788
2	Consumption						
	(i) Coal	Mn.Tonne	822.131	836.727	835.803	898.496	898.496
	(ii) Lignite	"	46.954	42.211	43.155	46.317	46.317
	(iii) Coal Products*	"	46.537	43.020	43.173	37.026	37.026
3	Production :						
	(i) Coal	Mn.Tonne	609.179	639.230	657.868	675.400	728.718
	(ii) Lignite	"	48.270	43.842	45.230	46.644	44.283
	(iii) Coal Products*	"	46.146	43.194	45.065	37.291	42.617
4	Imports					722.044	773.001
	(a) Qty : Coal	Mn.Tonne	217.783	203.949	190.953	208.249	235.349
	Coal Products	"	3.294	3.072	4.346	4.585	4.931
	Lignite	"	0.001	0.001	0.019	0.0104	0.0194
	Total (a)	"	221.077	207.022	195.319	212.844	240.299
	(b) Value: Coal	Rs.Million	1045066	860338	1002314	1384770	1709205
	Coal Products	"	43806	32684	54019	91525	120645
	Lignite	"	17	15	433	117	403
	Total (b)	"	1088889	893036	1056767	1476412	1830253
5	Exports						
	(a) Qty : Coal	Mn.Tonne	1.238	1.575	1.773	1.504	1.306
	Coal Products	"	0.102	0.149	0.089	0.107	0.025
	Lignite	"	0.003	0.001	0.005	0.004	0.079
	Total (a)	"	1.343	1.724	1.867	1.615	1.410
	(b) Value: Coal	Rs.Million	7197	8998	9669	8783	9500
	Coal Products	"	1140	1494	1063	1726	228
	Lignite	"	40	9	305	293	2233
	Total (b)	"	8377	10501	11038	10802	11961
6	Unit Value of coal imports (gr.)	Rs./Tonne	4799	4218	5249	6650	7262
7	India's Total Exports	Rs.Million	18963484	17088414	17561659	19684600	23077262
8	India's Total Imports	Rs.Million	27370866	24813672	24063319	29878550	35946746
9	(i) Coal imports as percentage of India's total import	%	4.0	3.6	4.4	4.9	5.1
	(ii) Coal exports as percentage of India's total export	%	0.0	0.1	0.1	0.1	0.1

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

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

TABLE -1.2: PRODUCTION OF PRIMARY SOURCES OF CONVENTIONAL ENERGY IN INDIA

Year	Coal & Lignite*		Crude Petroleum		Natural Gas		Electricity-hydro & Nuclear		Total Energy
	(Th. Tonnes)	(Peta joules)	(Th. Tonnes)	(Peta joules)	(Mill. Cum.)	(Peta joules)	(GWH)	(Peta joules)	(Peta joules)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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	4370	16747
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

* 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 : 2009-10 to 2018-19

(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)
2009-10	Coal	532.042	73.255	2.454	70.801	47.317	64.863	-17.546	585.297
	Lignite	34.071				0.903	0.565	0.338	34.409
	Total	566.113	73.255	2.454	70.801	48.220	65.428	-17.208	619.706
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	235.349	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	235.368	1.385	233.983	69.246	63.312	5.934	1012.918

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

Section

2

Resources & Exploration



COAL DIRECTORY OF INDIA 2018-19

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 technonised.

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 2019, 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 2019, in situ geological resources of coal in India up to a depth of 1200 meters is 326.496 Billion Tonnes (BT) which includes proved, indicated and inferred resources. Out of the total geological resources in the country, 320.253 Billion Tonnes (BT) (98.08%) are shared by seven states, Jharkhand 84.506 BT (25.88%), Odisha 80.840 BT (24.75%), Chhattisgarh 59.908 BT (18.34%), West Bengal 31.690 BT (9.70%), Madhya Pradesh 28.793 BT (8.81%), Telangana 21.839 BT (6.68%) and Maharashtra 12.677 (3.88%).

2.4.2 Out of the total resource of 326.496 BT as on 1st April, 2019, the share of proved, indicated and inferred resources are 155.614 BT, 140.501 BT and 30.381 BT respectively.

2.4.3 Of the total resources, the share of Prime Coking was 5.313 BT (1.62%), Medium Coking 27.984 BT (8.57%), Blendable/Semi Coking 1.708 BT (0.52%). Share of Non-coking Coal (Including High Sulphur) was 291.492 MT (89.27%). It is to be noted that the increase in the total resource from 2017 to 2019 was mainly due to increase of Non-coking coal.

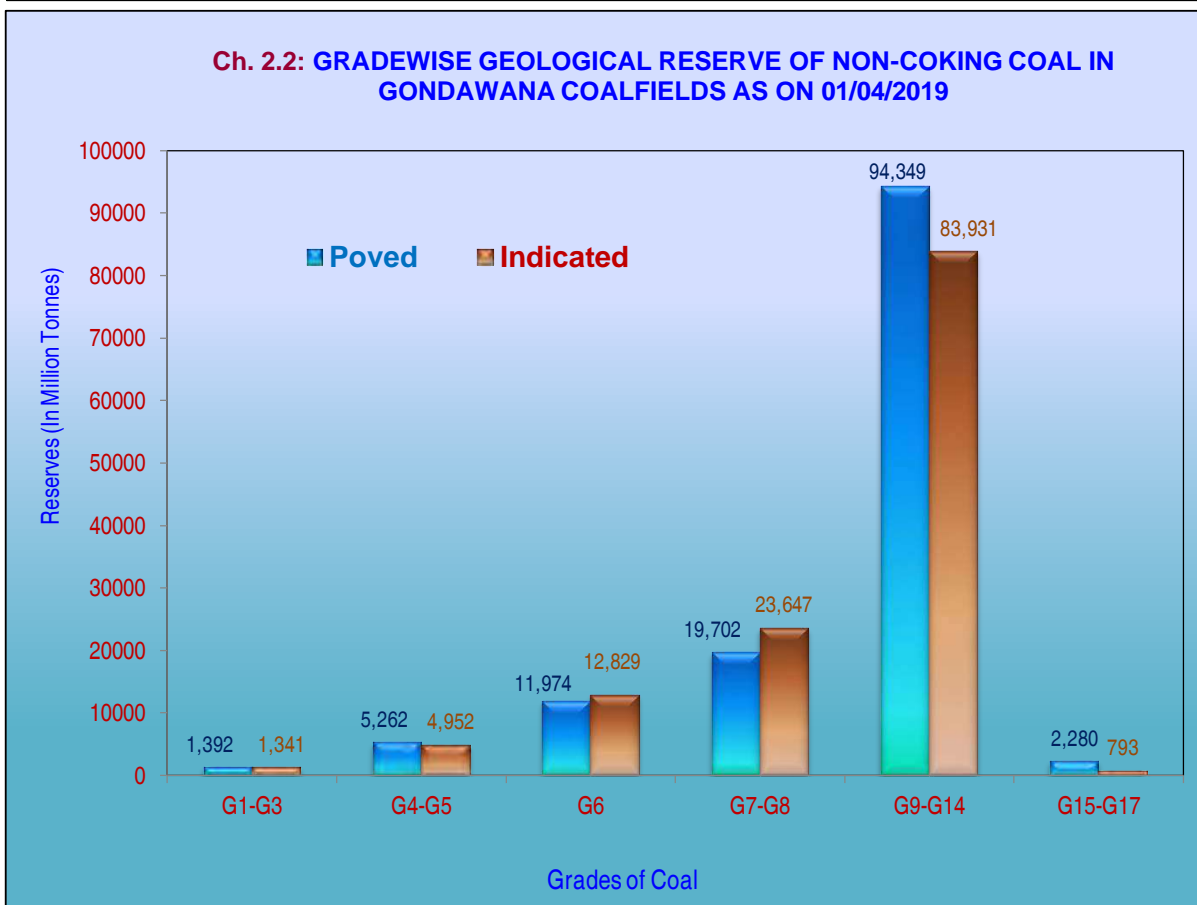
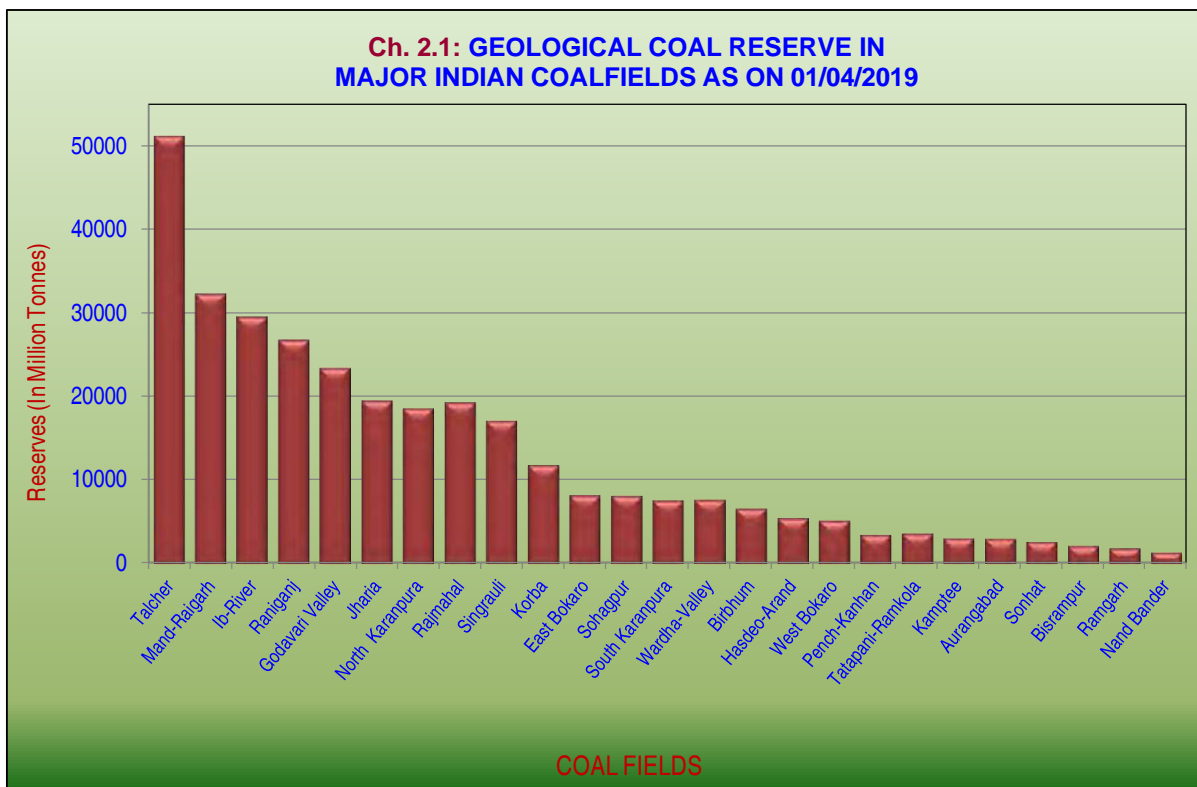
2.5 Lignite Reserves: Neyveli Lignite Corporation (NLC) programs, coordinates and reviews the regional exploration work concerning lignite resources. Detailed data on lignite resources are available in **Table 2.6** and **Table 2.7**.

2.5.1 Total lignite resources of the country as on 1st April 2019 was 45.758 Billion Tonnes (BT) which included proved, indicated and inferred resources. Out of the total lignite resources, almost all i.e. 45.300 BT (98.99%) was shared by three major states, Tamil Nadu 36.229 BT (79.17%), Rajasthan 6.349 BT (13.87%) and Gujarat 2.722 BT (5.94%).

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. Singareni Collieries Company Ltd.
2.	Mineral Exploration Corporation Ltd.
3.	Neyveli Lignite Corporation Ltd.
4.	State Directorates of Geology & Mining.
5.	Private Agencies.
Exploration Stage: Developmental	
Exploration Agencies	
1.	Coal India Limited's Subsidiaries including Central Mine Planning and Design Institute Ltd. Singareni Collieries Company Ltd.
2.	Neyveli Lignite Corporation Ltd.
3.	Private Parties/ Coal Mine Owners.



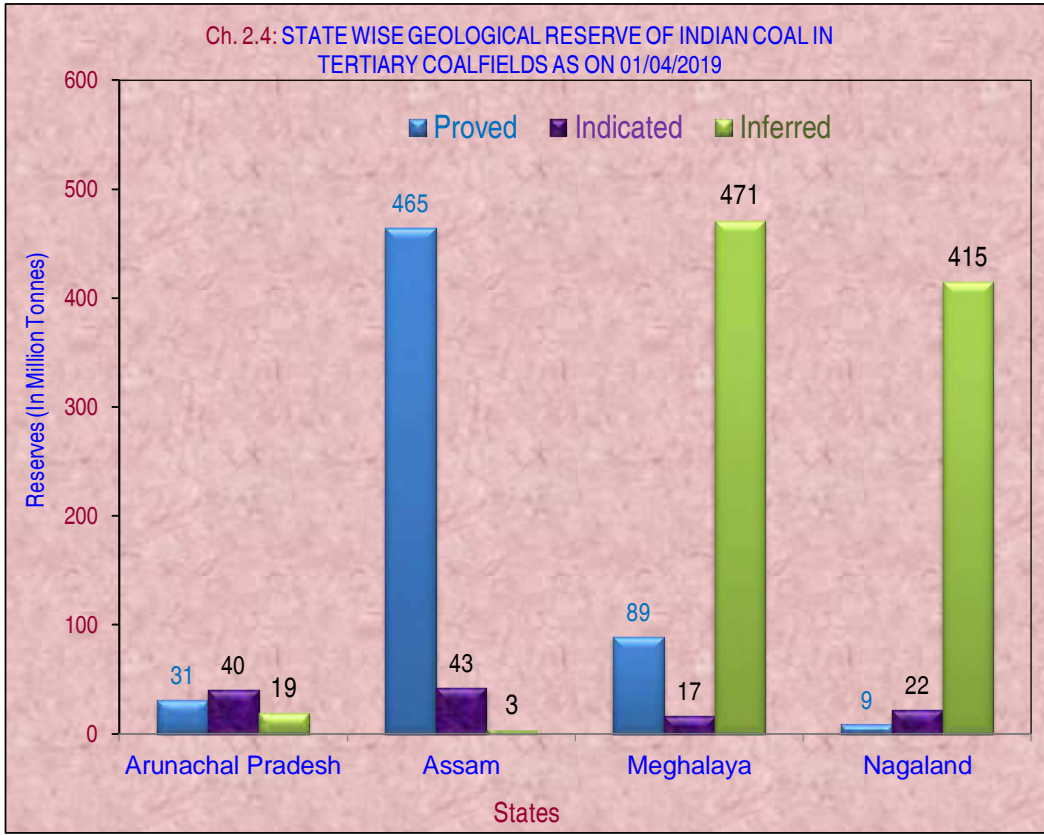
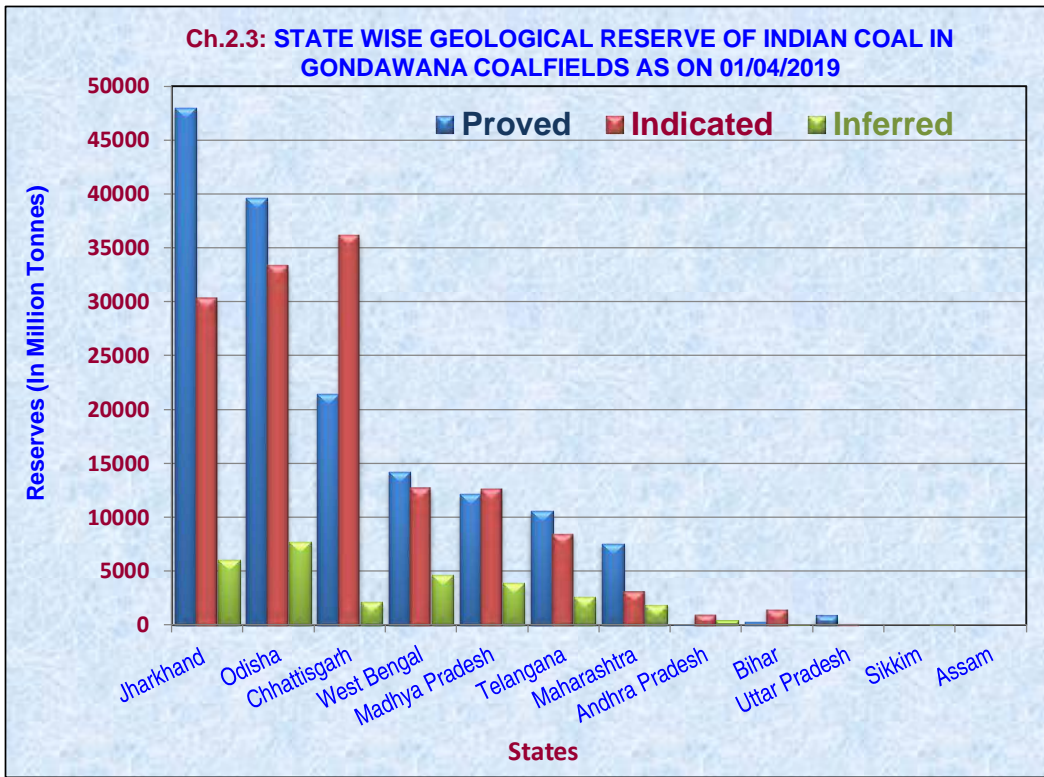
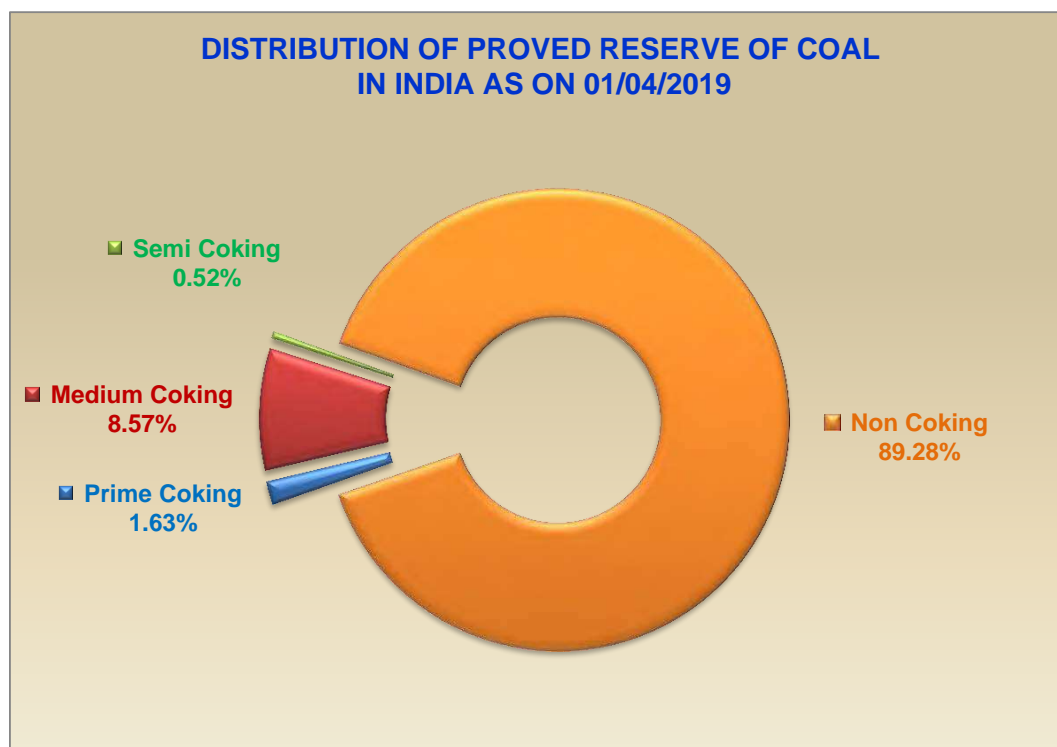


TABLE - 2.1: INVENTORY OF GEOLOGICAL RESERVE OF COAL BY TYPE AS ON 1st APRIL 2017, 2018 & 2019

Type of Coal	As on	Reserve (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)
Prime Coking	01/04/2017	4,614	699	0.00	5,313
Prime Coking	01/04/2018	4,649	664	0.00	5,313
Prime Coking	01/04/2019	4,668	645	0.00	5,313
Medium Coking	01/04/2017	13,501	12,133	1,879	27,513
Medium Coking	01/04/2018	13,914	11,709	1,879	27,502
Medium Coking	01/04/2019	14,876	11,245	1,863	27,984
Blendable / Semi Coking	01/04/2017	519	995	193	1,708
Blendable / Semi Coking	01/04/2018	519	995	193	1,708
Blendable / Semi Coking	01/04/2019	519	995	193	1,708
Non Coking (Including High Sulphur)	01/04/2017	1,24,423	1,25,485	30,706	2,80,615
Non Coking (Including High Sulphur)	01/04/2018	1,29,705	1,25,796	28,996	2,84,498
Non Coking (Including High Sulphur)	01/04/2019	1,35,552	1,27,615	28,325	2,91,492
Total	01/04/2017 *	1,43,058	1,39,311	32,779	3,15,148
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



* Including Sikkim

Source: Geological Survey of India

TABLE - 2.2: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2017, 2018 & 2019

(Quantity in Million Tonnes)

State	As on	Resources				State	As on	Resources			
		Proved	Indicated	Inferred	Total			Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(1)	(2)	(3)	(4)	(5)	(6)
GONDAWANA COALFIELDS						TERTIARY COAL FIELDS					
Assam	1/4/2017	0	14	0	14	Arunachal Pradesh	1/4/2017	31	40	19	90
	1/4/2018	0	14	0	14		1/4/2018	31	40	19	90
	1/4/2019	0	14	0	14		1/4/2019	31	40	19	90
Andhra Pradesh	1/4/2017	0	1,149	432	1,581	Assam	1/4/2017	465	43	3	511
	1/4/2018	0	1,149	432	1,581		1/4/2018	465	43	3	511
	1/4/2019	97	1,078	432	1,607		1/4/2019	465	43	3	511
Jharkhand	1/4/2017	44,341	31,876	6,223	82,440	Meghalaya	1/4/2017	89	17	471	576
	1/4/2018	45,563	31,439	6,150	83,152		1/4/2018	89	17	471	576
	1/4/2019	48,032	30,400	6,074	84,506		1/4/2019	89	17	471	576
Bihar	1/4/2017	0	0	1,354	1,354	Nagaland	1/4/2017	9	0	401	410
	1/4/2018	161	813	392	1,367		1/4/2018	9	0	401	410
	1/4/2019	310	1,513	11	1,834		1/4/2019	9	22	415	446
Madhya Pradesh	1/4/2017	11,269	12,760	3,645	27,673	Tertiary Coalfields	1/4/2017	594	99	895	1,588
	1/4/2018	11,958	12,154	3,875	27,987		1/4/2018	594	99	895	1,588
	1/4/2019	12,182	12,736	3,875	28,793		1/4/2019	594	121	908	1,623
Chhattisgarh	1/4/2017	19,997	34,462	2,202	56,661	INDIA	1/4/2017	1,43,058	1,39,311	32,780	3,15,149
	1/4/2018	20,428	34,576	2,202	57,206		1/4/2018	1,48,787	1,39,164	31,069	3,19,020
	1/4/2019	21,446	36,260	2,202	59,908		1/4/2019	1,55,614	1,40,501	30,381	3,26,496
Maharashtra	1/4/2017	7,038	3,158	2,063	12,259	Singrimari coalfield of Assam (Non-Coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.					
	1/4/2018	7,178	3,074	2,048	12,299						
	1/4/2019	7,573	3,257	1,847	12,677						
Odisha	1/4/2017	34,810	34,060	8,415	77,285						
	1/4/2018	37,391	34,165	7,739	79,295						
	1/4/2019	39,654	33,473	7,713	80,840						
Sikkim	1/4/2017	0	58	43	101						
	1/4/2018	0	58	43	101						
	1/4/2019	0	58	43	101						
Uttar Pradesh	1/4/2017	884	178	0	1,062						
	1/4/2018	884	178	0	1,062						
	1/4/2019	884	178	0	1,062						
Telangana	1/4/2017	10,402	8542	2520	21,464						
	1/4/2018	10,475	8576	2651	21,702						
	1/4/2019	10,622	8,565	2,652	21,839						
West Bengal	1/4/2017	13,723	12,954	4,990	31,667						
	1/4/2018	14,156	12,869	4,643	31,667						
	1/4/2019	14,219	12,847	4,624	31,690						
Gondawana	1/4/2017	1,42,464	1,39,212	31,885	3,13,561						
	1/4/2018	1,48,194	1,39,065	30,174	3,17,433						
	1/4/2019	1,55,021	1,40,379	29,472	3,24,872						

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 01-04-2019)

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	10248.90	1581.83	194.31	12025.04	
		Non Coking	300-600	2679.73	3245.67	1880.44	7805.84	
		Non Coking	600-1200	314.08	1852.19	1493.18	3659.45	
		TOTAL			14018.46	7103.37	3707.69	24829.52
	Barjora	Non Coking	0-300	200.79	0.00	0.00	200.79	
	Birbhum	Non Coking	0-300	0.00	818.42	123.53	941.95	
		Non Coking	300-600	0.00	3727.70	603.76	4331.46	
		Non Coking	600-1200	0.00	1197.38	174.05	1371.43	
		TOTAL			0.00	5743.50	901.34	6644.84
	Darjeeling	Non Coking	0-300	0.00	0.00	15.00	15.00	
	<i>West Bengal</i>	<i>Total</i>	<i>Medium Coking</i>	<i>0-1200</i>	<i>550.42</i>	<i>0.00</i>	<i>0.00</i>	<i>550.42</i>
	<i>West Bengal</i>	<i>Total</i>	<i>Semi Coking</i>	<i>0-1200</i>	<i>225.33</i>	<i>423.68</i>	<i>139.76</i>	<i>788.77</i>
	<i>West Bengal</i>	<i>Total</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>13443.50</i>	<i>12423.19</i>	<i>4484.27</i>	<i>30350.96</i>
	<i>West Bengal</i>	<i>Total</i>	<i>ALL</i>	<i>0-1200</i>	<i>14219.25</i>	<i>12846.87</i>	<i>4624.03</i>	<i>31690.15</i>
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 01-04-2019)

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
		<i>TOTAL</i>			<i>3922.75</i>	<i>1278.59</i>	<i>17.05</i>
	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
		<i>TOTAL</i>			<i>936.65</i>	<i>911.77</i>	<i>58.05</i>
	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	8835.26	2250.60	722.03	11807.89
		Non Coking	300-600	1142.73	1123.53	729.50	2995.76
		Non Coking	600-1200	90.74	0.00	0.00	90.74
		<i>TOTAL</i>			<i>10577.40</i>	<i>6173.27</i>	<i>1864.96</i>
	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
		<i>TOTAL</i>			<i>5176.08</i>	<i>1312.28</i>	<i>1143.28</i>
	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
		<i>TOTAL</i>			<i>352.05</i>	<i>2141.65</i>	<i>503.41</i>
	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
		<i>TOTAL</i>			<i>190.79</i>	<i>26.55</i>	<i>32.48</i>
	Daltongunj	Non Coking	0-300	83.86	60.10	0.00	143.96
		<i>TOTAL</i>			<i>83.86</i>	<i>60.10</i>	<i>0.00</i>
	Deogarh	Non Coking	0-300	326.24	73.60	0.00	399.84
<i>TOTAL</i>				<i>326.24</i>	<i>73.60</i>	<i>0.00</i>	<i>399.84</i>
Rajmahal	Non Coking	0-300	4849.06	6800.91	462.04	12112.01	
	Non Coking	300-600	299.24	3953.15	1092.66	5345.05	
	Non Coking	600-1200	0.00	30.46	5.10	35.56	
	<i>TOTAL</i>			<i>5148.30</i>	<i>10784.52</i>	<i>1559.80</i>	<i>17492.62</i>
Jharkhand	<i>Total</i>	<i>Prime Coking</i>	<i>0-1200</i>	<i>4667.75</i>	<i>645.31</i>	<i>0.00</i>	<i>5313.06</i>
Jharkhand	<i>Total</i>	<i>Medium Coking</i>	<i>0-1200</i>	<i>13970.64</i>	<i>9685.02</i>	<i>1590.03</i>	<i>25245.69</i>
Jharkhand	<i>Total</i>	<i>Semi Coking</i>	<i>0-1200</i>	<i>223.34</i>	<i>471.55</i>	<i>53.45</i>	<i>748.34</i>
Jharkhand	<i>Total</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>29170.20</i>	<i>19598.25</i>	<i>4430.42</i>	<i>53198.87</i>
Jharkhand	<i>Total</i>	<i>ALL</i>	<i>0-1200</i>	<i>48031.93</i>	<i>30400.13</i>	<i>6073.90</i>	<i>84505.96</i>

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2019)

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	607.43	11.30	928.26
		Non Coking	300-600	0.00	764.55	0.00	764.55
		Non Coking	600-1200	0.00	141.03	0.00	141.03
<i>Bihar</i>	<i>Total</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>309.53</i>	<i>1513.01</i>	<i>11.30</i>	<i>1833.84</i>
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
	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	1125.77	218.52	139.38	1483.67
		Non Coking	300-600	282.11	373.40	683.39	1338.90
		Non Coking	600-1200	0.00	0.00	0.86	0.86
		<i>TOTAL</i>			<i>1515.71</i>	<i>991.93</i>	<i>982.21</i>
	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
		<i>TOTAL</i>	<i>0-600</i>	<i>290.80</i>	<i>88.13</i>	<i>68.00</i>	<i>446.93</i>
	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
		<i>TOTAL</i>			<i>0.00</i>	<i>84.92</i>	<i>53.39</i>
	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
	<i>TOTAL</i>			<i>2129.18</i>	<i>5659.25</i>	<i>293.47</i>	<i>8081.90</i>
	Singrauli	Non Coking	0-300	5741.54	2386.49	1381.47	9509.50
		Non Coking	300-600	2123.80	3167.19	952.90	6243.89
		Non Coking	600-1200	10.81	250.39	110.40	371.60
		<i>TOTAL</i>			<i>7876.15</i>	<i>5804.07</i>	<i>2444.77</i>
<i>Madhya Pradesh</i>	<i>Total</i>	<i>Medium Coking</i>	<i>0-1200</i>	<i>354.49</i>	<i>1560.11</i>	<i>272.83</i>	<i>2187.43</i>
<i>Madhya Pradesh</i>	<i>Total</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>11827.96</i>	<i>11175.87</i>	<i>3601.84</i>	<i>26605.67</i>
<i>Madhya Pradesh</i>	<i>Total</i>	<i>ALL</i>	<i>0-1200</i>	<i>12182.45</i>	<i>12735.98</i>	<i>3874.67</i>	<i>28793.10</i>

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2019)

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	
		<i>TOTAL</i>			<i>364.83</i>	<i>2303.81</i>	<i>1.89</i>	<i>2670.53</i>
		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	1546.71	613.02	5.15	2164.88	
		Non Coking	300-600	3.00	0.00	0.00	3.00	
		<i>TOTAL</i>			<i>1549.71</i>	<i>613.02</i>	<i>5.15</i>	<i>2167.88</i>
	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	
		<i>TOTAL</i>			<i>2032.28</i>	<i>3273.42</i>	<i>223.12</i>	<i>5528.82</i>
	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	
		<i>TOTAL</i>			<i>5877.26</i>	<i>5783.70</i>	<i>168.02</i>	<i>11828.98</i>
	Mand-Raigarh	Non Coking	0-300	8337.49	11990.46	1043.19	21371.14	
		Non Coking	300-600	1661.00	7973.90	519.85	10154.75	
		Non Coking	600-1200	5.29	839.57	0.00	844.86	
		<i>TOTAL</i>			<i>10003.78</i>	<i>20803.93</i>	<i>1563.04</i>	<i>32370.75</i>
	Tatapani-Ramkola	Non Coking	0-300	197.49	1146.93	24.85	1369.27	
		Non Coking	300-600	169.34	1473.31	184.83	1827.48	
		Non Coking	600-1200	0.00	496.15	0.00	496.15	
<i>TOTAL</i>				<i>366.83</i>	<i>3116.39</i>	<i>209.68</i>	<i>3692.90</i>	
Chhattisgarh	<i>Total</i>	<i>Semi Coking</i>	<i>0-1200</i>	<i>70.77</i>	<i>99.25</i>	<i>0.00</i>	<i>170.02</i>	
Chhattisgarh	<i>Total</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>21375.52</i>	<i>36160.32</i>	<i>2201.90</i>	<i>59737.74</i>	
Chhattisgarh	<i>Total</i>	<i>ALL</i>	<i>0-1200</i>	<i>21446.29</i>	<i>36259.57</i>	<i>2201.90</i>	<i>59907.76</i>	

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2019)

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	
<i>Uttar Pradesh</i>	<i>Total</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>884.04</i>	<i>177.76</i>	<i>0.00</i>	<i>1061.80</i>	
<i>Uttar Pradesh</i>	<i>Total</i>	<i>ALL</i>	<i>0-1200</i>	<i>884.04</i>	<i>177.76</i>	<i>0.00</i>	<i>1061.80</i>	
Maharashtra	Wardha-Valley	Non Coking	0-300	4245.97	757.95	267.94	5271.86	
		Non Coking	300-600	271.14	934.74	1146.05	2351.93	
		Non Coking	600-1200	0.00	30.58	26.99	57.57	
		<i>TOTAL</i>		<i>4517.11</i>	<i>1723.27</i>	<i>1440.98</i>	<i>7681.36</i>	
	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	
		<i>TOTAL</i>		<i>2046.24</i>	<i>937.91</i>	<i>107.21</i>	<i>3091.36</i>	
	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	
		<i>TOTAL</i>		<i>308.41</i>	<i>0.00</i>	<i>160.70</i>	<i>469.11</i>	
	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	
		<i>TOTAL</i>		<i>691.44</i>	<i>596.19</i>	<i>117.70</i>	<i>1405.33</i>	
	Bokhara	Non Coking	0-300	10.00	0.00	20.00	30.00	
	<i>Maharashtra</i>	<i>Total</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>7573.20</i>	<i>3257.37</i>	<i>1846.59</i>	<i>12677.16</i>
	<i>Maharashtra</i>	<i>Total</i>	<i>ALL</i>	<i>0-1200</i>	<i>7573.20</i>	<i>3257.37</i>	<i>1846.59</i>	<i>12677.16</i>
	Maharashtra Odisha	Ib-River	Non Coking	0-300	12287.21	5055.30	0.00	17342.51
			Non Coking	300-600	2908.54	4522.11	3610.53	11041.18
			Non Coking	600-1200	0.97	1235.01	0.00	1235.98
			<i>TOTAL</i>		<i>15196.72</i>	<i>10812.42</i>	<i>3610.53</i>	<i>29619.67</i>
		Talcher	Non Coking	0-300	20894.24	9218.27	2549.82	32662.33
Non Coking			300-600	3337.57	12082.95	1083.56	16504.08	
Non Coking			600-1200	225.94	1359.11	469.21	2054.26	
<i>TOTAL</i>				<i>24457.75</i>	<i>22660.33</i>	<i>4102.59</i>	<i>51220.67</i>	
<i>Odisha</i>		<i>Total</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>39654.47</i>	<i>33472.75</i>	<i>7713.12</i>	<i>80840.34</i>
<i>Odisha</i>		<i>Total</i>	<i>ALL</i>	<i>0-1200</i>	<i>39654.47</i>	<i>33472.75</i>	<i>7713.12</i>	<i>80840.34</i>
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	
		<i>TOTAL</i>	<i>0-1200</i>	<i>97.12</i>	<i>1078.44</i>	<i>431.65</i>	<i>1607.21</i>	
<i>Andhra Pradesh</i>	<i>Total</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>97.12</i>	<i>1078.44</i>	<i>431.65</i>	<i>1607.21</i>	
<i>Andhra Pradesh</i>	<i>Total</i>	<i>ALL</i>	<i>0-1200</i>	<i>97.12</i>	<i>1078.44</i>	<i>431.65</i>	<i>1607.21</i>	

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2019)

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	6374.08	3054.73	86.52	9515.33	
		Non Coking	300-600	3990.92	4093.20	454.04	8538.16	
		Non Coking	600-1200	257.32	1416.81	2111.32	3785.45	
		TOTAL	0-1200	10622.32	8564.74	2651.88	21838.94	
Telangana	Total	Non Coking	0-1200	10622.32	8564.74	2651.88	21838.94	
Telangana	Total	ALL	0-1200	10622.32	8564.74	2651.88	21838.94	
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 01-04-2019)

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	134957.86	127494.05	27415.95	289867.86
INDIA	Total	High Sulphur	0-1200	593.81	121.17	908.67	1623.65
INDIA	Total		0-1200	155614.41	140500.53	30380.69	326495.63
INDIA	Total for Tertiary Coalfields		0-1200	593.81	121.17	908.67	1623.65
INDIA	Total for Gondwana Coalfields*		0-1200	155020.60	140379.36	29472.02	324871.98
INDIA	GRAND TOTAL		0-1200	155614.41	140500.53	30380.69	326495.63

* Including Sikkim

TABLE 2.4: COAL RESERVE BY TYPE OF COAL AND DEPTH AS ON (as on 01-04-2019)

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	105337.60	60815.56	8258.70	174411.86
INDIA	TOTAL (Other than Jharia)	Non Coking	300-600	21939.87	55175.53	14401.55	91516.95
INDIA	TOTAL (Jharia)	Non Coking	0-600	5657.14	444.86	0.00	6102.00
INDIA	TOTAL	Non Coking	600-1200	2023.25	11058.10	4755.70	17837.05
INDIA	TOTAL	Grand Total	0-1200	155614.41	140500.53	30380.69	326495.63

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 01-04-2019)

		(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	1533.51	3512.15	2990.94	2141.49	1.33	10248.90	23.13	183.93	456.60	411.81	506.36	0.00	1581.83	194.31	12025.04	
	300-600	55.96	654.61	705.33	588.34	674.37	1.12	2679.73	54.58	675.69	1186.81	686.35	642.24	0.00	3245.67	1880.44	7805.84	
	600-1200	12.90	84.18	121.48	77.27	18.25	0.00	314.08	152.85	367.36	529.11	419.95	382.92	0.00	1852.19	1493.18	3659.45	
	0-1200	138.34	2272.30	4338.96	3656.55	2834.11	2.45	13242.71	230.56	1226.98	2172.52	1518.11	1531.52	0.00	6679.69	3567.93	23490.33	
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	
	0-300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	33.58	198.97	584.59	0.00	818.42	123.53	941.95	
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.10	1117.04	576.85	1988.71	0.00	3727.70	603.76	4331.46	
	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	
Birbhum	0-300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	63.70	1446.79	1304.19	2927.54	0.00	5743.50	901.34	6644.84	
	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	0.00	0.00	
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
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	
	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	0.00	0.00	
	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	0.00	0.00	
	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	
Total	0-300	138.34	2272.30	4338.96	3656.89	3034.56	2.45	13443.50	231.84	1290.68	3619.31	2822.30	4459.06	0.00	12423.19	4484.27	30350.96	
	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	0.00	0.00	
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
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	
	600-1200	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	
	0-1200	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	0-600	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	
	0-1200	69.03	46.26	93.35	497.99	5446.51	0.00	6153.14	21.49	11.61	18.75	105.81	1642.20	0.00	1799.86	0.00	7953.00	
East Bokaro	0-300	0.00	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	
	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	
	600-1200	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	
	0-1200	0.00	0.11	3.45	15.16	85.35	0.00	104.07	0.00	8.16	8.17	21.43	24.74	0.00	62.50	0.00	166.57	
West Bokaro	0-300	0.01	3.20	19.00	64.67	229.24	0.45	316.57	0.25	0.32	1.35	5.07	14.81	0.00	21.80	0.00	338.37	
	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	
	600-1200	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	
	0-1200	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	
	0-300	31.01	51.92	139.56	1012.28	7575.26	25.23	8835.26	6.56	1.42	4.61	316.73	1915.01	6.27	2250.60	722.03	11807.89	
	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	
South Karanpura	0-300	149.90	151.51	373.55	830.10	1735.11	0.60	3240.77	0.02	40.07	84.33	138.40	116.21	0.00	379.03	262.40	3882.20	
	300-600	11.85	106.04	148.97	559.46	546.37	0.23	1372.92	0.19	35.97	46.78	120.80	172.58	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	
	600-1200	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	
	0-1200	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	
	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	
	0-300	0.00	0.56	53.19	207.25	4530.76	57.30	4849.06	0.34	27.73	331.51	1660.79	4745.07	35.47	6800.91	462.04	12112.01	
	300-600	0.00	0.00	3.82	35.20	252.61	7.61	299.24	0.00	30.45	391.86	1255.51	2243.16	32.17	3953.15	1092.66	5345.05	
Rajmahal	0-300	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	
	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	0.00	0.00	
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Total	0-300	302.36	536.87	1227.87	4087.98	22921.54	93.58	29170.20	43.58	195.67	978.50							

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2019)

		(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)	
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	0.00	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	4.62	87.42	783.52	1253.02	3595.40	17.56	5741.54	41.87	190.03	723.05	568.76	837.45	25.33	2386.49	1381.47	9509.50	
	300-600	2.45	35.68	136.22	622.29	1316.83	10.33	2123.80	30.69	306.43	601.89	1067.76	1080.14	80.28	3167.19	952.90	6243.89	
	600-1200	0.00	0.71	0.56	0.61	8.83	0.10	10.81	16.56	66.15	64.74	59.96	41.60	1.38	250.39	110.40	371.60	
	0-1200	7.07	123.81	920.30	1875.92	4921.06	27.99	7876.15	89.12	562.61	1389.68	1696.48	1959.19	106.99	5804.07	2444.77	16124.99	
Total		195.20	647.84	1922.81	2892.63	6137.91	31.57	11827.96	361.02	1596.90	3023.36	2868.71	3206.03	119.85	11175.87	3601.84	26605.67	
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	99.01	287.69	185.05	269.02	659.86	46.08	1546.71	17.18	46.70	116.63	149.75	279.53	3.23	613.02	5.15	2164.88	
	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	99.03	289.83	185.45	269.46	659.86	46.08	1549.71	17.18	46.70	116.63	149.75	279.53	3.23	613.02	5.15	2167.88	
East of Bisrampur	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	220.00	667.32	7287.93	95.74	8337.49	79.09	32.65	241.75	1798.44	9771.62	66.91	11990.46	1043.19	21371.14	
	300-600	70.20	42.22	181.34	467.34	897.33	2.57	1661.00	98.86	82.31	390.10	1593.45	5629.66	179.52	7973.90	519.85	10154.75	
	600-1200	0.00	0.00	0.82	3.36	1.11	0.00	5.29	0.50	4.65	96.92	220.56	507.66	9.28	839.57	0.00	844.86	
	0-1200	94.54	84.38	402.16	1138.02	8186.37	98.31	10003.78	178.45	119.61	728.77	3612.45	15908.94	255.71	20803.93	1563.04	32370.75	
Tatapani	0-300	1.15	3.86	5.23	12.23	159.15	15.87	197.49	23.86	73.53	234.77	291.86	517.82	5.09	1146.93	24.85	1369.27	
Ramkola	300-600	0.00	1.69	0.39	13.29	136.96	17.01	169.34	70.51	109.58	251.16	323.44	712.94	5.68	1473.31	184.83	1827.48	
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.77	55.23	33.37	88.88	290.81	5.09	496.15	0.00	496.15	
	0-1200	1.15	5.55	5.62	25.52	296.11	32.88	366.83	117.14	238.34	519.30	704.18	1521.57	15.86	3116.39	209.68	3692.90	
Total		625.88	863.83	1228.54	2298.27	16147.31	211.69	21375.52	472.85	860.99	2588.10	7151.38	24812.20	274.80	36160.32	2201.90	59737.74	
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	299.07	1705.65	2173.19	36.24	4245.97	0.00	24.33	46.14	322.51	364.48	0.49	757.95	267.94	5271.86	
	300-600	0.00	0.00	1.84	39.95	220.68	8.67	271.14	0.00	46.03	105.52	214.91	564.92	3.36	934.74	1146.05	2351.93	
	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	300.91	1745.60	2393.87	44.91	4517.11	0.00	70.36	151.66	548.51	948.89	3.85	1723.27	1440.98	7681.36	
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	

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2019)

		(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)	
Umrer- Makardhokra	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	
	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	856.75	2674.65	3765.30	52.02	7573.20	29.73	147.88	610.22	954.96	1509.10	5.48	3257.37	1846.59	12677.16	
Odisha																		
Ib-River	0-300	0.33	4.89	58.87	437.06	11157.84	628.22	12287.21	4.15	10.56	70.14	210.38	4728.78	31.29	5055.30	0.00	17342.51	
	300-600	0.12	13.59	59.26	131.81	2334.60	369.16	2908.54	15.86	129.82	202.36	487.20	3579.80	107.07	4522.11	3610.53	11041.18	
	600-1200	0.01	0.86	0.06	0.04	0.00	0.00	0.97	0.00	0.00	34.19	119.85	1002.02	78.95	1235.01	0.00	1235.98	
	0-1200	0.46	19.34	118.19	568.91	13492.44	997.38	15196.72	20.01	140.38	306.69	817.43	9310.60	217.31	10812.42	3610.53	29619.67	
Talcher	0-300	25.05	216.54	262.33	604.13	19345.10	441.09	20894.24	35.59	108.09	219.54	990.65	7864.40	0.00	9218.27	2549.82	32662.33	
	300-600	4.30	10.67	28.18	83.84	2808.61	401.97	3337.57	48.06	190.11	293.15	1399.39	10152.24	0.00	12082.95	1083.56	16504.08	
	600-1200	6.04	10.31	5.79	17.02	186.78	0.00	225.94	0.00	11.00	52.55	69.31	1226.25	0.00	1359.11	469.21	2054.26	
	0-1200	35.39	237.52	296.30	704.99	22340.49	843.06	24457.75	83.65	309.20	565.24	2459.35	19242.89	0.00	22660.33	4102.59	51220.67	
Total		35.85	256.86	414.49	1273.90	35832.93	1840.44	39654.47	103.66	449.58	871.93	3276.78	28553.49	217.31	33472.75	7713.12	80840.34	
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	3546.36	2.13	6374.08	45.73	96.64	333.79	524.12	2054.45	0.00	3054.73	86.52	9515.33	
	300-600	32.93	216.94	717.02	1153.35	1869.16	1.52	3990.92	44.86	155.91	496.64	710.06	2685.73	0.00	4093.20	454.04	8538.16	
	600-1200	2.21	14.94	18.58	87.28	134.28	0.03	257.32	8.16	149.74	228.90	410.39	619.62	0.00	1416.81	2111.32	3785.45	
	0-1200	81.46	472.27	1976.19	2538.92	5549.80	3.68	10622.32	98.75	402.29	1059.33	1644.57	5359.80	0.00	8564.74	2651.88	21838.94	
Total		81.46	472.27	1976.19	2538.92	5549.80	3.68	10622.32	98.75	402.29	1059.33	1644.57	5359.80	0.00	8564.74	2651.88	21838.94	
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	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		1391.98	5261.56	11973.66	19701.62	94348.65	2280.39	134957.86	1341.43	4952.40	12828.94	23646.93	83931.06	793.29	127494.05	27415.95	289867.86	

Source: Geological Survey Of India

**TABLE - 2.6 : STATEWISE INVENTORY OF GEOLOGICAL RESERVE OF LIGNITE
AS ON 1st APRIL 2017, 2018 & 2019**

State	As on	Resources (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	Total
(2)	(1)	(3)	(4)	(5)	(6)
Gujarat	01-04-2017	1278.65	283.70	1159.70	2722.05
	01-04-2018	1278.65	283.70	1159.70	2722.05
	01-04-2019	1278.65	283.70	1159.70	2722.05
J & K	01-04-2017	0.00	20.25	7.30	27.55
	01-04-2018	0.00	20.25	7.30	27.55
	01-04-2019	0.00	20.25	7.30	27.55
Kerala	01-04-2017	0.00	0.00	9.65	9.65
	01-04-2018	0.00	0.00	9.65	9.65
	01-04-2019	0.00	0.00	9.65	9.65
Pondicherry	01-04-2017	0.00	405.61	11.00	416.61
	01-04-2018	0.00	405.61	11.00	416.61
	01-04-2019	0.00	405.61	11.00	416.61
Rajasthan	01-04-2017	1168.53	2670.84	1896.60	5735.98
	01-04-2018	1168.53	3029.78	2150.77	6349.08
	01-04-2019	1168.53	3029.78	2150.77	6349.08
Tamilnadu	01-04-2017	4093.53	22632.87	9055.98	35782.38
	01-04-2018	4093.53	22648.33	9392.85	36134.71
	01-04-2019	4340.35	22496.63	9392.85	36229.83
West Bengal	01-04-2017	0.00	1.13	2.80	3.93
	01-04-2018	0.00	1.13	2.80	3.93
	01-04-2019	0.00	1.13	2.80	3.93
<i>All India</i>	<i>01-04-2017</i>	<i>6540.71</i>	<i>26014.40</i>	<i>12143.03</i>	<i>44698.14</i>
	<i>01-04-2018</i>	<i>6540.71</i>	<i>26388.80</i>	<i>12734.07</i>	<i>45663.58</i>
	<i>01-04-2019</i>	<i>6787.53</i>	<i>26237.10</i>	<i>12734.07</i>	<i>45758.70</i>

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2019)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand
(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
<i>Total for Pandicherry</i>			<i>0.00</i>	<i>405.61</i>	<i>11.00</i>	<i>416.61</i>	<i>416.61</i>
<i>Tamil Nadu</i>							
Cuddalore	*Bahur	0-150	0.00	168.78	0.00	168.78	168.78
	*West of Bahur	0-150	0.00	0.00	102.19	102.19	102.19
	Bhuvanagiri-Kullanchavadi	150-300	0.00	0.00	385.40	385.40	385.40
	Eastern part of Neyveli	150-300	0.00	218.65	37.68	256.33	
		>300	0.00	156.86	149.13	305.99	562.32
	Eastern part of NLC leasehold area	>150	0.00	0.00	55.00	55.00	55.00
	NLC Leasehold areas (Mine-I & Expansion, Mine 1A, II & Expansion, Mine III, Block B, Mine I, Mine II, Mine III and river) Devangudi & areas locked up	0-150	2831.00	134.00	138.00	3103.00	
		150-300	0.00	0.00	24.00	24.00	3127.00
	Kudikadu	0-150	0.00	0.00	133.38	133.38	133.38
	Kullanchavadi	>150	0.00	0.00	175.00	175.00	175.00
	South of Vellar(Srimushnam)	0-150	584.51	0.00	0.00	584.51	
		150-300	20.61	0.00	0.00	20.61	605.12
	Veeranam(Lalpettai)	150-300	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
<i>Neyveli Lignite Fields</i>			<i>4340.35</i>	<i>2819.97</i>	<i>1825.60</i>	<i>8985.92</i>	<i>8985.92</i>
*(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 01.04.2019)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand
(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 extrn.	>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-Anaikadu	150-300	0.00	17.41	28.35	45.76	45.76
	Veppanagulam-Kasangadu	150-300	0.00	4.88	0.00	4.88	4.88
Thanjavur & Nagappattinam	Alangudi	150-300	0.00	24.98	48.01	72.99	
		>300	0.00	29.31	55.72	85.03	158.02
	Kadalangudi	0-150	0.00	0.00	0.43	0.43	
		150-300	0.00	0.00	317.74	317.74	
		>300	0.00	0.00	74.26	74.26	392.43
	Pandanallur	150-300	0.00	6.48	12.94	19.42	
		>300	0.00	18.14	36.11	54.25	73.67
	Thirumangalam	>300	0.00	233.22	295.30	528.52	528.52
	Tirumangaichcheri	150-300	0.00	21.05	43.90	64.95	
		>300	0.00	26.03	42.21	68.24	133.19
Thiruvarur & Nagappattinam	Nachiyarkudi	>300	0.00	0.00	574.05	574.05	574.05
	<i>Mannargudi lignite Field</i>		0.00	19913.44	4780.46	24693.90	24693.90

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2019)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand
(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
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	2797.79	2966.62	2966.62
<i>Total for Tamil Nadu</i>			4340.35	22496.63	9392.85	36229.83	36229.83
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	

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2019)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Borana	0-150	0.00	0.10	0.41	0.51	0.51
	Chak-Vijaisinghpura	0-150	2.80	0.00	0.00	2.80	2.80
	Deshnok-Ramsar-Sinthal	0-150	0.00	0.00	52.85	52.85	
		150-300	0.00	0.00	0.92	0.92	53.77
	Diyatra	0-150	0.00	57.53	0.00	57.53	
		150-300	0.00	67.34	0.00	67.34	124.87
	East of Riri	0-150	0.00	0.00	1.76	1.76	1.76
	Gadiyala	0-300	0.00	0.00	36.98	36.98	36.98
	Gigasar-Kesardesar	0-150	0.00	0.65	0.00	0.65	0.65
	Girirajsar	0-300	0.00	26.48	8.99	35.47	35.47
	Girirajsar Extn.	150-300	0.00	0.00	24.81	24.81	24.81
	Gurha East	0-150	33.81	0.00	0.00	33.81	
		150-300	4.30	0.00	0.00	4.30	38.11
	Gurha West	0-150	40.65	0.00	0.00	40.65	
		150-300	1.00	0.00	0.00	1.00	41.65
	Hadda	150-300	0.00	0.22	0.00	0.22	0.22
	Hadda North & West	0-150	0.00	2.82	7.35	10.17	
		150-300	0.00	1.06	2.44	3.50	13.67
	Hadla	0-150	59.30	0.00	0.00	59.30	59.30
	Hira Ki Dhani	0-150	0.00	0.00	0.66	0.66	0.66
	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

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2019)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Barmer	Mandal Charman	0-150	0.00	17.70	0.00	17.70	17.70
	Palana	0-150	23.57	0.00	0.00	23.57	23.57
	Palana East	0-150	0.00	1.46	0.00	1.46	1.46
	Panch-Peeth-Ki-Dhani	0-150	0.00	0.09	0.00	0.09	0.09
	Pyau	0-150	0.00	0.00	45.56	45.56	
		150-300	0.00	0.00	16.62	16.62	62.18
	Rneri	0-150	33.92	0.00	0.00	33.92	33.92
	Riri	0-150	159.68	0.00	0.00	159.68	
		>150	22.75	0.00	0.00	22.75	182.43
	Sarupdesar-Palana west	0-150	0.00	0.67	0.00	0.67	0.67
	hambu-ki-Burj	0-150	0.00	0.00	0.04	0.04	0.04
	Sowa	0-150	0.00	0.23	0.00	0.23	0.23
	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	

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2019)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	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 (covering Kurla East North & South sub blocks)	0-150	0.00	11.47	0.00	11.47	
150-300		0.00	48.47	0.00	48.47		
>300		0.00	458.44	250.13	708.57	768.51	
	Magne-ki-Dhani	0-150	0.00	0.00	8.78	8.78	
150-300		0.00	0.00	3.91	3.91		
>300		0.00	0.00	0.04	0.04	12.73	
	Mahabar-Shivkar	0-150	0.00	9.22	24.30	33.52	
150-300		0.00	2.93	7.61	10.54	44.06	
	Matasartala	0-150	0.00	0.00	34.14	34.14	
150-300		0.00	0.00	53.89	53.89	88.03	
	Mithra	0-150	0.00	0.09	0.39	0.48	
150-300		0.00	0.45	1.53	1.98	2.46	
	Munabao	150-300	0.00	0.00	9.85	9.85	9.85
	Nagurda	0-150	0.00	103.68	0.00	103.68	
150-300		0.00	127.87	0.00	127.87		
>300		0.00	0.70	0.00	0.70	232.25	
	Nagurda (East)	0-150	0.00	18.46	0.00	18.46	
150-300		0.00	3.23	0.00	3.23	21.69	
	Nimbalkot	0-100	0.00	0.00	8.97	8.97	
100-300		0.00	0.00	85.49	85.49		
>300		0.00	0.00	15.14	15.14	109.60	
	Nimbalkot North	0-100	0.00	0.00	1.93	1.93	
100-300		0.00	0.00	22.34	22.34		
>300		0.00	0.00	3.45	3.45	27.72	
	Sachha-Sauda	0-300	0.00	28.70	0.00	28.70	28.70
	Sindhari East	>150	0.00	262.65	0.00	262.65	262.65

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2019)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Jaisalmer & Bikaner	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	
	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	
		0-150	0.00	0.00	22.52	22.52	22.52	
	Ramgarh	0-150	0.00	0.00	40.96	40.96		
Jalore	Sewara	150-300	0.00	0.00	33.43	33.43		
		>300	0.00	0.00	42.65	42.65	76.08	
Nagaur	Deswal	150-300	0.00	0.00	16.37	16.37	16.37	
	Gangardi	150-300	0.00	166.91	11.44	178.35	178.35	
	Indawar	0-150	12.00	0.00	0.00	12.00	12.00	
	Kapriion-ka-Dhani	0-150	17.00	0.00	0.00	17.00	17.00	
	Kasnau-Igiar	0-150	64.90	0.00	0.00	64.90	64.90	
	Kuchera	0-150	0.00	0.00	1.00	1.00	1.00	
	Lunsara	0-300	0.00	7.17	0.00	7.17	7.17	
	Matasukh	0-150	10.10	0.00	0.00	10.10	10.10	
	Merta Road & Meeranagar	0-150	0.00	23.90	59.35	83.25	83.25	
	Mokala	0-150	0.00	29.00	0.00	29.00	29.00	
	Nimbri-Chandawatan	0-150	9.00	0.00	0.00	9.00	9.00	
	Ucharada	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	
	Phalodi	150-300	0.00	0.00	11.06	11.06	13.04	
0-150		0.00	0.00	0.95	0.95			
	150-300	0.00	0.00	4.70	4.70	5.65		
Total for Rajasthan			1168.53	3029.78	2150.77	6349.07	6349.08	

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2019)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Gujarat Kachchh	Panandhro	0-150	98.00	0.00	0.00	98.00	98.00
	Panandhro Ext.	0-150	0.00	0.00	14.45	14.45	14.45
	Barkhan Dam	0-150	0.00	0.00	7.19	7.19	7.19
	Kaiyari Block-A	0-150	40.36	20.30	0.00	60.66	60.66
	Kaiyari Block-B	0-150	0.00	10.52	0.00	10.52	10.52
	Mata-No-Madh	0-150	34.00	0.00	0.00	34.00	34.00
	Umarsar	0-150	19.47	0.00	0.00	19.47	19.47
	Lakhpat-Dhedadi(Punahrajpur)	0-150	49.00	24.30	0.00	73.30	73.30
	Akrimota	0-150	91.78	0.00	0.00	91.78	91.78
	Jhularai-Waghapadar	0-150	3.00	0.00	0.00	3.00	3.00
	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
Bharuch	Bhuri	0-150	10.59	31.56	0.00	42.15	42.15
	Valia,Bhaga,Luna,Pansoli, Nani Pardi etc.	0-150	225.88	0.00	0.00	225.88	
		>150	232.50	0.00	0.00	232.50	
		0-300	251.68	87.03	178.47	517.18	975.56
	Bhimpur	0-150	3.60	0.00	0.00	3.60	
		150-300	0.51	0.00	0.00	0.51	4.11
Rajpardi (GMDC leasehold) byMEC	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

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2019)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
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
<i>Total for J & K</i>			<i>0.00</i>	<i>20.25</i>	<i>7.30</i>	<i>27.55</i>	<i>27.55</i>
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
<i>Total for Kerala</i>			<i>0.00</i>	<i>0.00</i>	<i>9.65</i>	<i>9.65</i>	<i>9.65</i>
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
<i>Total for West Bengal</i>			<i>0.00</i>	<i>1.13</i>	<i>2.80</i>	<i>3.93</i>	<i>3.93</i>
<i>Grand Total for all States</i>			<i>6787.53</i>	<i>26237.10</i>	<i>12734.07</i>	<i>45758.70</i>	<i>45758.70</i>

Table 2.8: PROMOTIONAL EXPLORATION (DRILLING IN METRES) DURING XTH, XITH, XIITH PLAN AND XIIITH PLAN

Command Area	→	CIL	SCCL	NLC	TOTAL
Year	Agency	(Coal)	(Coal)	(Lignite)	
(1)	(2)	(3)	(4)	(5)	(6)
2002-2007(X Plan)	Geological Survey of India	57652	0	7557	65209
2002-2007(X Plan)	Mineral Exploration Corporation Ltd.	161307	86022	255932	503261
2002-2007(X Plan)	Central Mine Planning & Design Inst.	55019	0	0	55019
2002-2007(X th Plan)	All Agencies	273978	86022	263489	623489
2007-08	Geological Survey of India	11473	0	7487	18960
2007-08	Mineral Exploration Corporation Ltd.	38563	17154	37863	93580
2007-08	Central Mine Planning & Design Inst.	2992	0	0	2992
2007-08(XI th Plan)	All Agencies	53028	17154	45350	115532
2008-09	Geological Survey of India	15572	0	7963	23535
2008-09	Mineral Exploration Corporation Ltd.	28448	14730	54454	97632
2008-09	Central Mine Planning & Design Inst.	5646	0	0	5646
2008-09(XI th Plan)	All Agencies	49666	14730	62417	126813
2009-10	Geological Survey of India	13192	0	5920	19112
2009-10	Mineral Exploration Corporation Ltd.	20799	12303	55127	88229
2009-10	Central Mine Planning & Design Inst.	1992	0	0	1992
2009-10(XI th Plan)	All Agencies	35983	12303	61047	109333
2010-11	Geological Survey of India	13943	0	5607	19550
2010-11	Mineral Exploration Corporation Ltd.	20283	9638	51796	81717
2010-11	DGM (Nagaland)	83			83
2010-11	Central Mine Planning & Design Inst.	1318	0	0	1318
2010-11(XI th Plan)	All Agencies	35627	9638	57403	102668
2011-12	Geological Survey of India	17872	0	5814	23686
2011-12	Mineral Exploration Corporation Ltd.	16769	9228	43750	69747
2011-12	DGM (Nagaland)	289			289
2011-12	Central Mine Planning & Design Inst.	0	0	0	0
2011-12 (XI th Plan)	All Agencies	34930	9228	49564	93722
TOTAL (XI TH Plan)	Geological Survey of India	72052	0	32791	104843
TOTAL (XI TH Plan)	Mineral Exploration Corporation Ltd.	124862	63053	242990	430905
TOTAL (XI TH Plan)	DGM (Nagaland)	372	0	0	372
TOTAL (XI TH Plan)	Central Mine Planning & Design Inst.	11948	0	0	11948
G. TOTAL (XI TH Plan)	All Agencies	209234	63053	275781	548068
2012-13	Geological Survey of India	14702	0	8379	23081
2012-13	Mineral Exploration Corporation Ltd.	21695	8899	59349	89943
2012-13	DGM (Nagaland)	328			328
2012-13	Central Mine Planning & Design Inst.	0	0	0	0
2012-13(XII th Plan)	All Agencies	36725	8899	67728	113352

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Table 2.8: PROMOTIONAL EXPLORATION (DRILLING IN METRES) DURING XTH, XITH, XIITH PLAN AND XIIITH PLAN

Command Area	Agency	CIL (Coal)	SCCL (Coal)	NLC (Lignite)	TOTAL
Year	Agency	(3)	(4)	(5)	(6)
(1)	(2)	(3)	(4)	(5)	(6)
2013-14	Geological Survey of India	15589	0	7380	22969
2013-14	Mineral Exploration Corporation Ltd.	37200	9553	61394	108147
2013-14	DGM (Nagaland)	783			783
2013-14	Central Mine Planning & Design Inst.	123	0	0	123
2013-14(XII th Plan)	<i>All Agencies</i>	<i>53695</i>	<i>9553</i>	<i>68774</i>	<i>132022</i>
2014-15	Geological Survey of India	18905	0	8446	27351
2014-15	Mineral Exploration Corporation Ltd.	46749	3575	60331	110655
2014-15	DGM (Nagaland)	427			427
2014-15	Central Mine Planning & Design Inst.	1064	0	0	1064
2014-15(XII th Plan)	<i>All Agencies</i>	<i>67145</i>	<i>3575</i>	<i>68777</i>	<i>139497</i>
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(XII th Plan)	<i>All Agencies</i>	<i>52086</i>	<i>0</i>	<i>60254</i>	<i>112340</i>
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(XII th Plan)	<i>All Agencies</i>	<i>49695</i>	<i>0</i>	<i>55686</i>	<i>105381</i>
<i>TOTAL (XIIth Plan)</i>	<i>Geological Survey of India</i>	<i>65312</i>	<i>0</i>	<i>35658</i>	<i>100970</i>
<i>TOTAL (XIIth Plan)</i>	<i>Mineral Exploration Corporation Ltd.</i>	<i>189960</i>	<i>22027</i>	<i>285561</i>	<i>497548</i>
<i>TOTAL (XIIth Plan)</i>	<i>DGM (Nagaland)</i>	<i>2887</i>	<i>0</i>	<i>0</i>	<i>2887</i>
<i>TOTAL (XIIth Plan)</i>	<i>Central Mine Planning & Design Inst.</i>	<i>1187</i>	<i>0</i>	<i>0</i>	<i>1187</i>
<i>G. TOTAL (XIIth Plan)</i>	<i>All Agencies</i>	<i>259346</i>	<i>22027</i>	<i>321219</i>	<i>602592</i>
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(XIII th Plan)	<i>All Agencies</i>	<i>92803</i>	<i>0</i>	<i>41895</i>	<i>134697</i>
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(XIII th Plan)	<i>All Agencies</i>	<i>91300</i>	<i>4700</i>	<i>43000</i>	<i>139000</i>
<i>TOTAL (XIIIth Plan)</i>	<i>Geological Survey of India</i>	<i>0</i>	<i>0</i>	<i>341</i>	<i>341</i>
<i>TOTAL (XIIIth Plan)</i>	<i>Mineral Exploration Corporation Ltd.</i>	<i>161982</i>	<i>4700</i>	<i>84553</i>	<i>251235</i>
<i>TOTAL (XIIIth Plan)</i>	<i>DGM (Nagaland)</i>	<i>1908</i>	<i>0</i>	<i>0</i>	<i>1908</i>
<i>TOTAL (XIIIth Plan)</i>	<i>Central Mine Planning & Design Inst.</i>	<i>20213</i>	<i>0</i>	<i>0</i>	<i>20213</i>
<i>G. TOTAL (XIIIth Plan)</i>	<i>All Agencies</i>	<i>184103</i>	<i>4700</i>	<i>84895</i>	<i>273697</i>

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	Agency	Blocks	CIL									SCCL
			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	DEPARTMENTAL	CIL	28920		44631	18435	13655	83654	24290	0	213585	
2011-12	DEPARTMENTAL	Non-CIL					27309	0	27921		55230	100325
2011-12	DEPARTMENTAL	Pvt. Blocks							4204		4204	
2011-12	DEPARTMENTAL	Total	28920		44631	18435	40964	83654	56415		273019	100325
2011-12	MECL	CIL		3466		0		30872			34338	
2011-12	MECL	Non-CIL				23081		38788			61869	9228
2011-12	CG/MP/Odisha Govt.	CIL						3152	3663		6815	
2011-12	Private /Contractual	CIL	3875	13731							17606	
2011-12	Private /Contractual	Non-CIL			20138			84641			104779	
2011-12	Private /Contractual	Total	3875	13731	20138	0	0	84641	0	0	122385	
2011-12	All Agencies	CIL	32795	17197	44631	18435	13655	117678	27953	0	272344	
2011-12	All Agencies	Non-CIL	0	0	20138	23081	27309	123429	32125	0	226082	109553
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

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Section

3

Production & Productivity



COAL DIRECTORY OF INDIA 2018-19

Section III

Production & Productivity

3.1 Production

3.1.1 In 2018-19, production of raw coal in India was 728.718 MT, showing an increase of 7.9% over the previous year. In that year production of lignite was 44.283 MT, showing a decrease of 5.1% over 2017-18.

3.1.2 Statement 3.1 shows production of coal in 2018-19 by different companies.

Company	Coal Production (2018-19) [MT]		
	Coking	Non-coking	Total
ECL	0.029	50.131	50.160
BCCL	24.339	6.700	31.039
CCL	9.340	59.381	68.721
NCL		101.503	101.503
WCL	0.188	52.992	53.180
SECL*	0.247	152.150	152.397
MCL		144.151	144.151
NEC		0.784	0.784
CIL	34.143	572.744	606.887
SCCL		64.401	64.401
Other Public	0.443	23.252	23.695
Total Public	34.586	660.397	694.983
Total Private	6.546	27.189	33.735
ALL INDIA	41.132	687.586	728.718

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

It can be seen that Coal India Ltd. accounted for 83.28% of coal production in the country. The share of SCCL in the coal production was 8.83%. Contribution from public sector and private sector was 95.37% and 4.63 % respectively. The major contribution to the total coal production of the country in 2018-19 from SECL (20.91%),MCL (19.78%),NCL

(13.92%), CCL (9.43%) and SCCL (8.83%). The production from these five companies collectively accounted for 72.87% 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 (94.35%).

3.1.3 Statement 3.2 shows coal production in India during 2018-19 by states. From this statement it can be observed that the four major coal producing states were Odisha (19.80%), Chhattisgarh (22.21%), Jharkhand (18.47%) and Madhya Pradesh (16.28%). These four states together produced accounted for about 76.76% of the total coal production in the country.

States	Coal Production (2018-19) [MT]		
	Coking	Non-Coking	Total
Assam		0.784	0.784
Chhattisgarh	0.247	161.646	161.893
Jammu & Kashmir		0.013	0.013
Jharkhand	39.641	95.025	134.666
Madhya Pradesh	0.188	118.473	118.661
Maharashtra		49.818	49.818
Meghalaya		0.00	0.00
Odisha		144.312	144.312
Telangana		65.160	65.160
Uttar Pradesh		20.275	20.275
West Bengal	1.056	32.080	33.136
Total	41.132	687.586	728.718

3.1.4 Statement 3.2 also shows that almost all coking coal was produced in the state of Jharkhand which

accounted for 96.37% of the total coking coal production. It can also be seen that during 2018-19, the production of coking coal registered a increase of 2.45% over 2017-18 whereas in the case of non-coking coal the increase was 8.23%.

3.1.5 From Table 3.18 it can be observed that in 2018-19 , the production from the Open Cast system of mining accounted for 94.17% of the total coal production and the rest 5.83% was accounted by Under Ground system of mining. From this table it is interesting to note that the share of Open Cast mining in total coal production has been steadily increasing over time and in the last ten years it has increased from 88.03% in 2008-09 to 94.17% in 2018-19 whereas in case of underground mining the share has a decreasing trend of 11.97% in 2008-09 to 5.83% in 2018-19.

3.1.6 From table 3.3, it can be seen that the production of total coal products increased from 37.291 MT in 2017-18 to 42.617 MT in 2018-19. It can also be seen that the production of washed coal, coking decreased by 3.2% and non-coking increased by 38.3% respectively, the production of middlings (coking) decreased by 4.6% over 2018-19. In 2018-19, the production of hard coke increased by 2.3% over 2017-18. The production of washed coal (coking and non-coking) was 24.933 MT against the total raw coal production of 728.718 MT in 2018-19.

3.1.7 Stripping Ratio defined as the ratio of OBR (over burden removal) to coal produced in opencast mining has been of interest to the researchers. From table 3.21 it can be seen that in 2018-19, the stripping ratio at all India level was 2.47 while it was 2.74 in 2017-18. The stripping ratio of CIL was 2.19 and of SCCL 6.83 in 2018-19, the stripping ratio for the public sector was 2.35 and for the private sector 5.10. In case of CIL subsidiaries, MCL reported the lowest stripping ratio of 0.91 whereas NEC reported the highest stripping ratio of 10.84.

3.1.8 Output Per Man Shift (OMS) is one of the measures of efficiency for the production. Table 3.22 shows OMS for 2018-19 of two major players in the

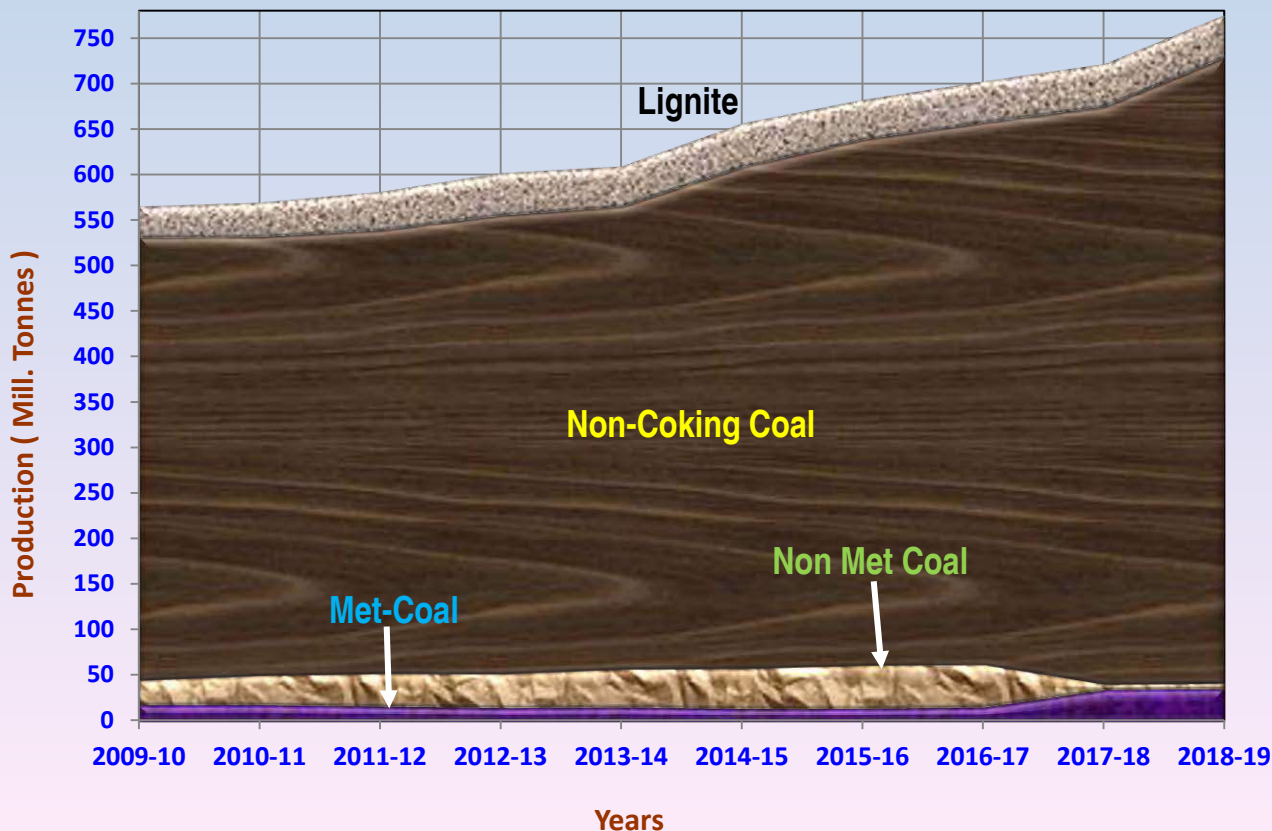
public sector namely CIL and SCCL by type of mining. It is may be seen that during 2018-19, in respect of opencast mining, OMS (in Tonnes) of CIL was 15.21 and SCCL 16.95. In case of underground mining, OMS (in Tonnes) of CIL was 0.95 and SCCL 1.39. From Table 3.22 it can also be seen that in case of CIL (OC), OMS has shown an increasing trend in last ten years, from 8.95 in 2008-09 to 15.21 in 2018-19. In case of SCCL, the trend is fluctuating one over the last ten years.

Year	Company	2017-18	2018-19
OMS (OC)	CIL	13.15	15.21
	SCCL	13.73	16.95
OMS (UG)	CIL	0.86	0.95
	SCCL	1.08	1.39
OMS (Overall)	CIL	7.44	8.67
	SCCL	4.89	6.22

3.1.9 Lignite Production : Statement 3.10 shows production of lignite by different companies in 2017-18 and 2018-19. It can be seen that in case of lignite the three major companies were NLC, GMDCL and BLMCL which contributed 54.76%, 20.68% and 13.20% respectively to the total lignite production of 2018-19.

Company	2017-18	2018-19
NLC	25.153	24.250
GMDCL	10.601	9.160
BLMCL	6.265	5.845
GIPCL	3.123	3.313
RSMML	1.019	1.317
VSLPL	0.426	0.305
GHCL	0.057	0.093
All India	46.644	44.283

Chart III.1 - Area Graph : Trend of Production of Different types of Solid Fossil Fuel during 2009-2010 to 2018-2019



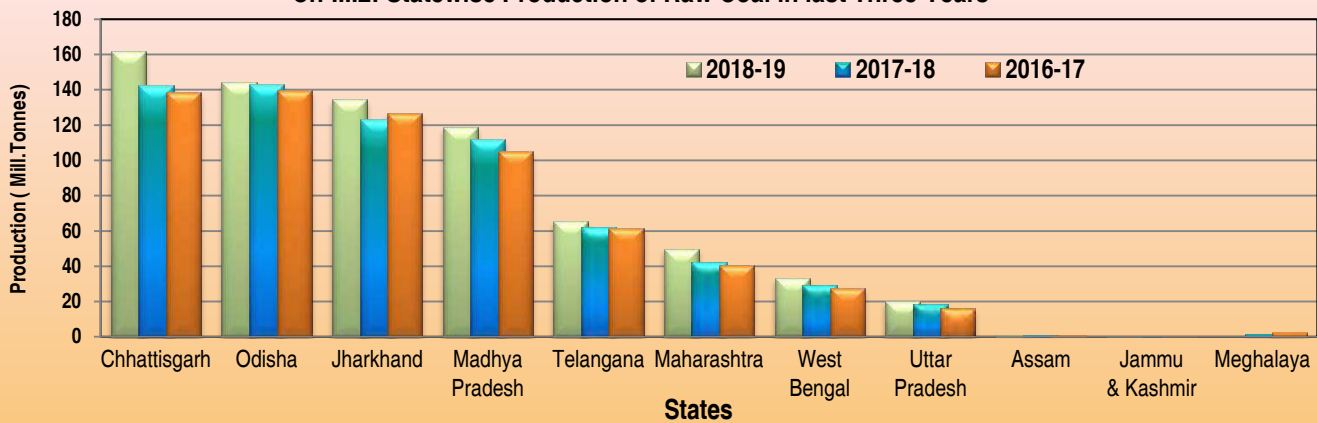
Production of different types of solid fossil fuels during 2009-10 TO 2018-19 (Quantity in Mill.Tonnes).

Year	Met Coal	Non Met Coal	Total Coking	Non-Coking	Total Raw Coal	Lignite
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2009-10	17.731	26.682	44.413	487.629	532.042	34.071
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

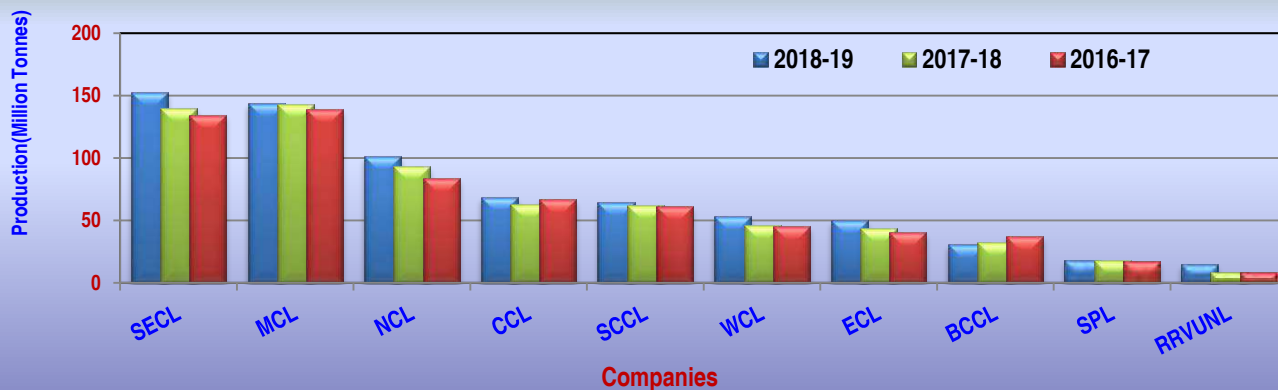
Note: 1. This is an area graph. Area in between bottom & top boundary for each item shows contribution of that item to total solid fossil fuel.

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

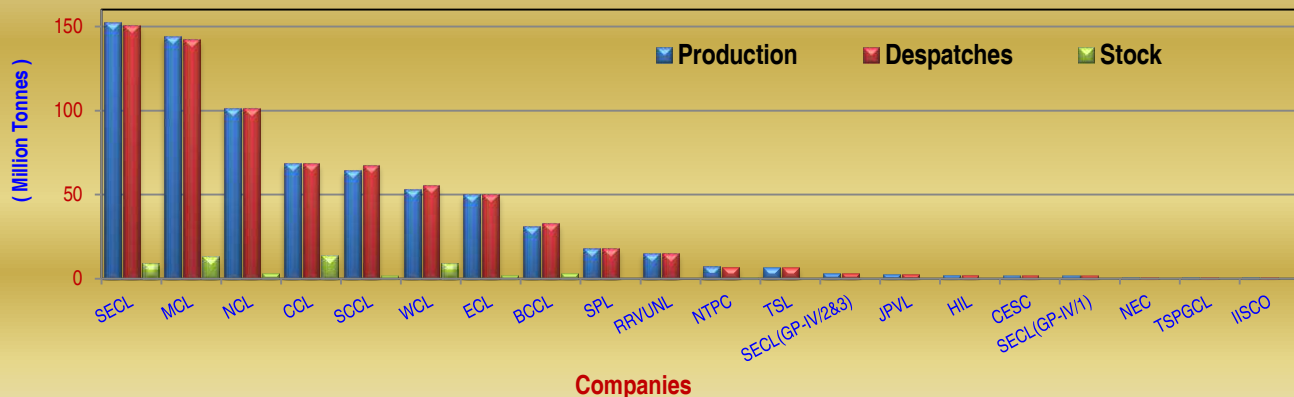
Ch-III.2: Statewise Production of Raw Coal in last Three Years



Ch-III.3 Top Ten Companywise Production of Raw Coal in last Three Years



Ch-III.4: Top Twenty Companywise of Raw Coal Production, Despatches & Stock in 2018-19



Ch-III.5: Company Share of Production of Raw Coal in 2018-19

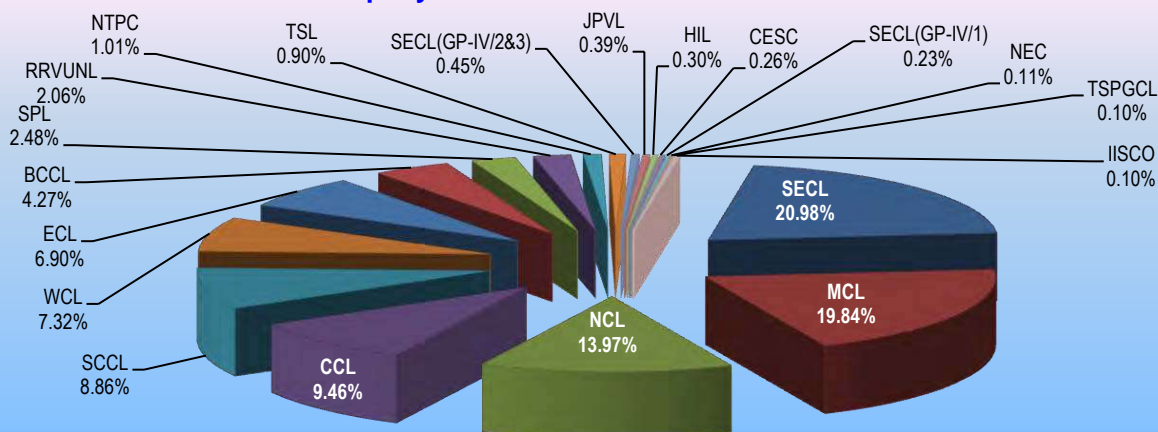


TABLE 3.1: TRENDS OF PRODUCTION OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS

[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)
2009-10	532.042	94.0	8.0	34.071	6.0	5.1	566.113	7.8
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

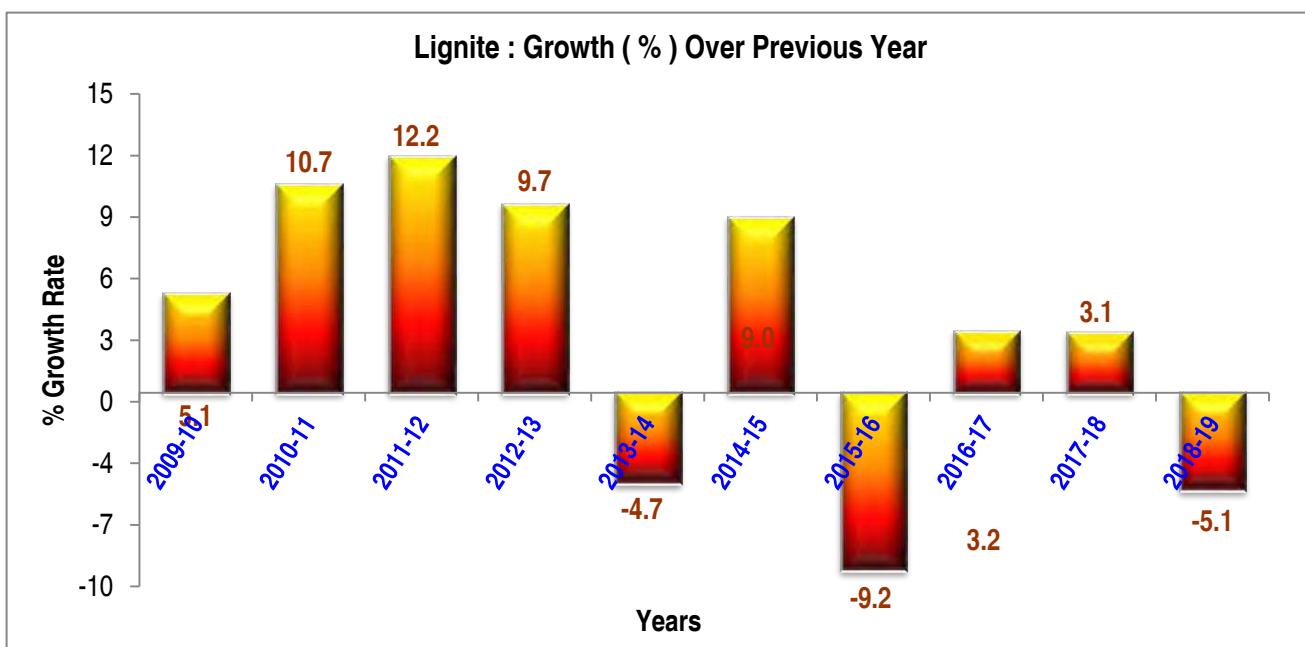
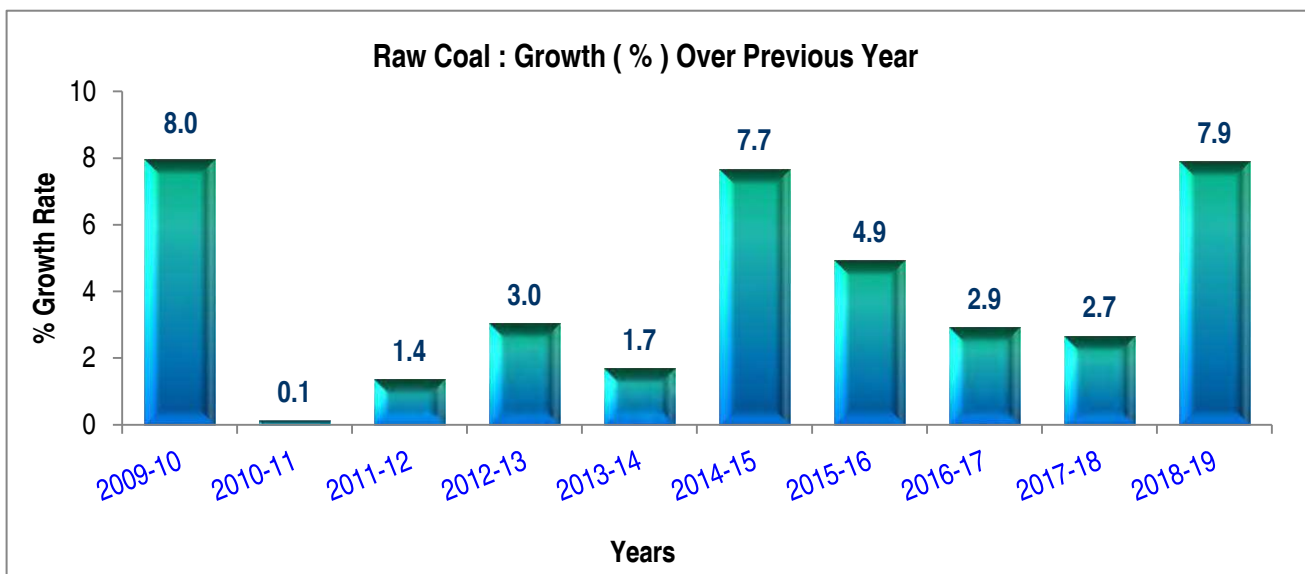


TABLE 3.2: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			Total Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal			Production	Share in total raw coal(%)	Growth over previous year (%)	Production	Growth over previous year (%)
	Production	Share in coking coal(%)	Growth over previous year (%)	Production	Share in coking coal(%)	Growth over previous year (%)	Production	Share in total raw coal(%)	Growth over previous year (%)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2009-10	17.731	39.9	2.5	26.682	60.1	52.4	44.413	8.3	27.6	487.629	91.7	6.5	532.042	8.0
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

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

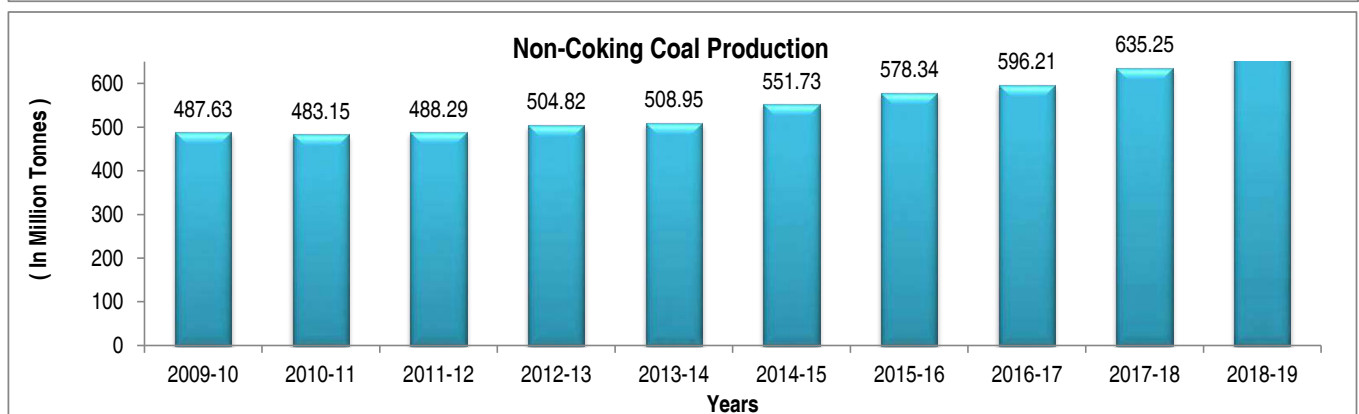
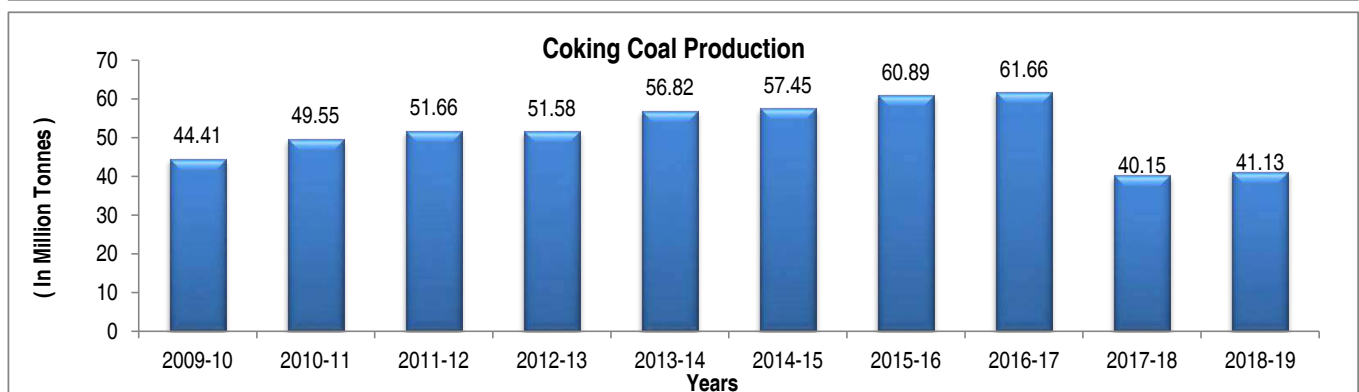
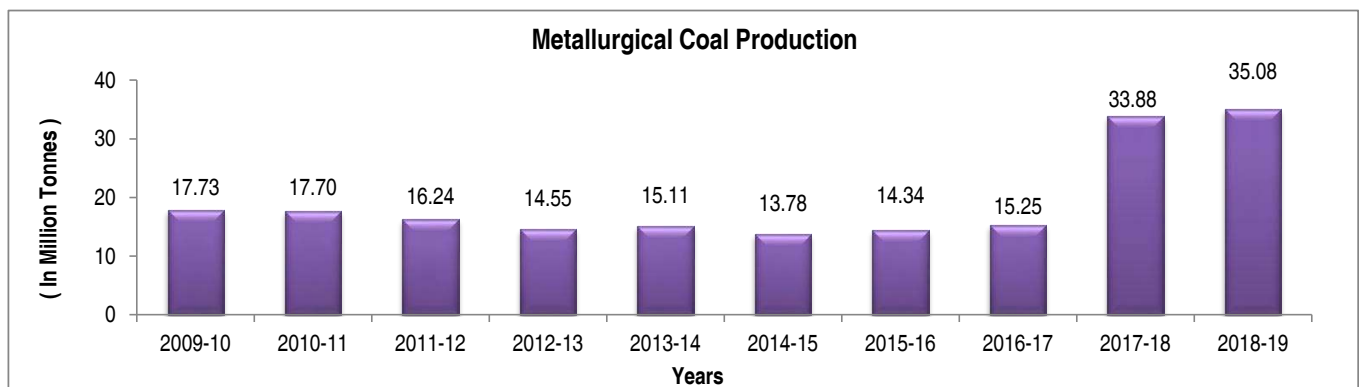
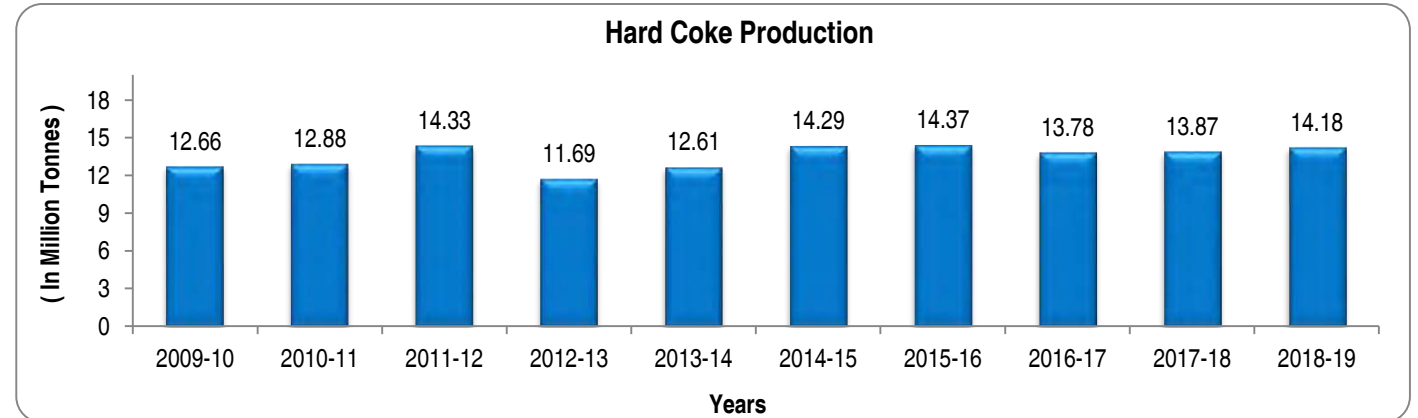
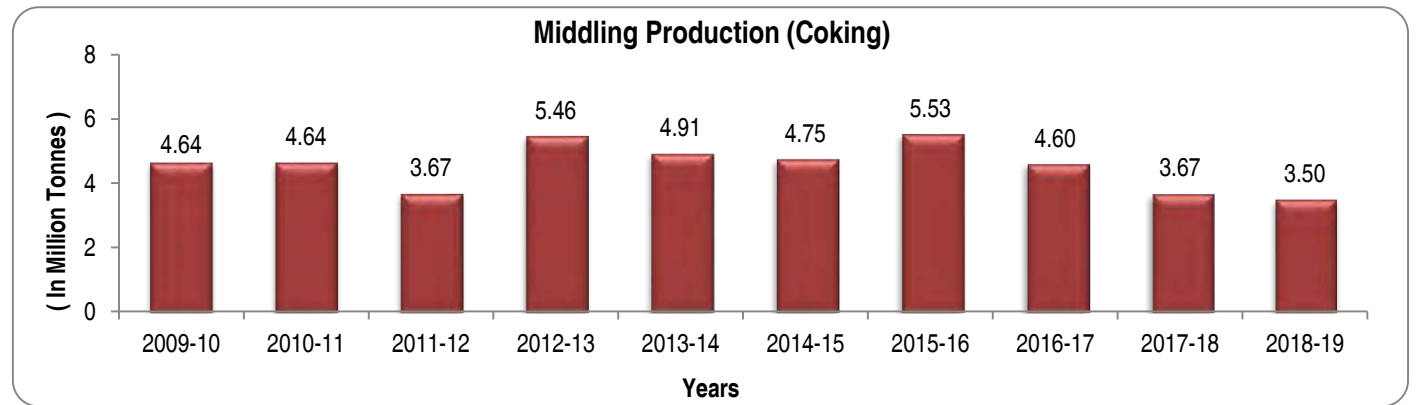
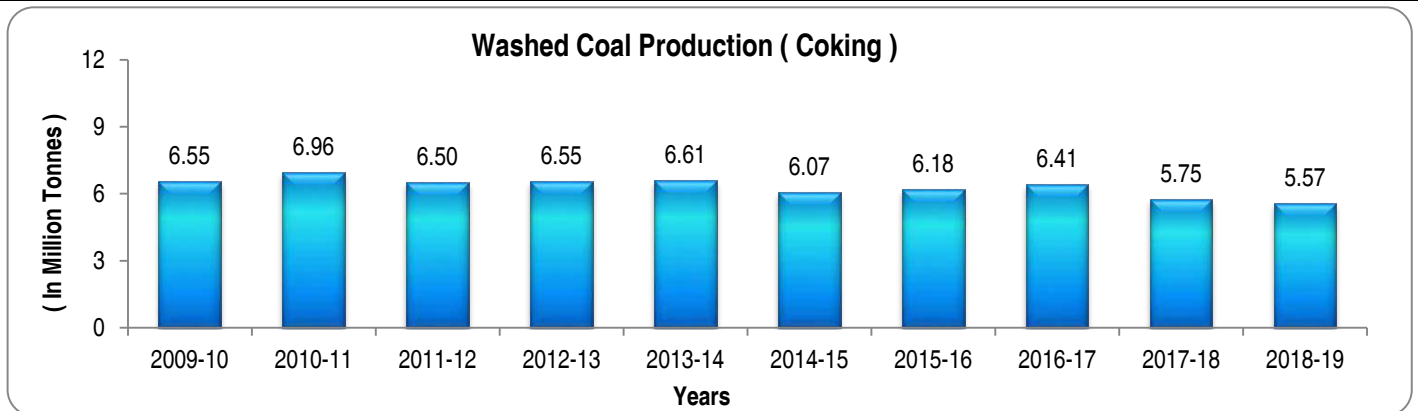


TABLE 3.3: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS

(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)
2009-10	6.547	-8.8	13.963	3.0	4.642	-12.3	3.264	0.0	12.663	0.3
2010-11	6.955	6.2	14.532	4.1	4.643	0.0	3.589	10.0	12.880	1.7
2011-12	6.496	-6.6	15.437	6.2	3.674	-20.9	3.669	2.2	14.330	11.3
2012-13	6.550	0.8	14.190	-8.1	5.464	48.7	3.825	4.3	11.694	-18.4
2013-14	6.614	1.0	15.699	10.6	4.913	-10.1	3.926	2.6	12.606	7.8
2014-15	6.070	-8.2	17.294	10.2	4.750	-3.3	3.742	-4.7	14.290	13.4
2015-16	6.182	1.8	17.119	-1.0	5.525	16.3	0.000	-100.0	14.368	0.5
2016-17	6.414	3.8	20.274	18.4	4.598	-16.8	0.000	0.0	13.779	-4.1
2017-18	5.753	-10.3	13.999	-31.0	3.670	-20.2	0.000	0.0	13.869	0.7
2018-19	5.570	-3.2	19.363	38.3	3.502	-4.6	0.000	0.0	14.182	2.3



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)
2016-17												
April-June	13.518	-0.2	21.9	137.145	4.4	19.9	150.663	4.0	22.9	8.910	-10.6	19.7
July-Sept.	12.226	-4.4	19.8	112.775	-4.6	16.4	125.001	-4.5	19.0	9.754	1.8	21.6
Oct-Dec.	15.678	-1.1	25.4	160.170	3.6	23.3	175.848	3.2	26.7	11.428	26.2	25.3
Jan-Mar.	20.239	8.2	32.8	186.117	6.8	27.1	206.356	6.9	31.4	15.138	-0.6	33.5
TOTAL	61.661	1.3	100.0	596.207	3.1	86.7	657.868	2.9	100.0	45.230	3.2	100.0
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	-31.9	22.4	155.617	13.5	22.6	164.817	9.4	22.6	9.678	8.6	21.9
July-Sept.	10.020	-18.0	24.4	135.455	20.1	19.7	145.475	16.4	20.0	9.359	-4.0	21.1
Oct-Dec.	9.711	-38.1	23.6	178.493	11.4	26.0	188.204	7.0	25.8	11.017	-3.6	24.9
Jan-Mar.	12.201	-39.7	29.7	218.021	17.1	31.7	230.222	11.6	31.6	14.229	-6.0	32.1
TOTAL	41.132	-33.3	100.0	687.586	15.3	100.0	728.718	10.8	100.0	44.283	-2.1	100.0

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

(2) **Share (%) is calculated 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)
2016-17															
April-June	1.408	-5.3	22.0	5.258	52.3	25.9	1.216	19.6	26.4	0	-	-	3.403	-8.7	24.7
July-Sept.	1.440	-5.4	22.5	3.790	-0.1	18.7	1.130	-1.1	24.6	0	-	-	3.479	-5.7	25.2
Oct-Dec.	1.726	7.3	26.9	5.175	11.9	25.5	1.121	-9.7	24.4	0	-	-	3.475	-2.3	25.2
Jan-Mar.	1.840	17.6	28.7	6.051	15.3	29.8	1.131	-16.2	24.6	0	-	-	3.422	0.8	24.8
TOTAL	6.414	3.8	100.0	20.274	18.4	100.0	4.598	-3.2	100.0	0	-	-	13.779	-4.1	100.0
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	0.000	-	-	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	0.000	-	-	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	0.000	-	-	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	0.000	-	-	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

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

(2) **Share (%) is calculated 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 2018-19

(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)
2018-19												
Apr-18	2.879	-6.6	7.0	50.795	18.2	7.4	53.674	16.6	7.4	1.878	-12.7	4.2
May-18	3.378	11.2	8.2	53.305	13.9	7.8	56.683	13.8	7.8	2.928	-2.7	6.6
Jun-18	2.943	-2.3	7.2	51.517	13.6	7.5	54.460	12.6	7.5	4.872	17.6	11.0
1st Quarter	9.200	0.7	22.4	155.617	15.2	22.6	164.817	14.3	22.6	9.678	4.0	21.9
Jul-18	3.161	24.6	7.7	45.769	8.7	6.7	48.930	9.6	6.7	3.371	103.9	7.6
Aug-18	3.429	16.3	8.3	43.443	1.4	6.3	46.872	2.3	6.4	2.721	-24.1	6.1
Sep-18	3.430	29.3	8.3	46.243	5.0	6.7	49.673	6.4	6.8	3.267	-23.0	7.4
2nd Quarter	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-18	3.183	11.0	7.7	57.041	11.5	8.3	60.224	11.5	8.3	3.250	-6.7	7.3
Nov-18	3.012	-2.7	7.3	59.700	5.7	8.7	62.712	5.3	8.6	3.405	-4.1	7.7
Dec-18	3.516	-7.7	8.5	61.752	1.7	9.0	65.268	1.1	9.0	4.362	-11.6	9.9
3rd Quarter	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-19	3.795	-8.1	9.2	65.113	3.0	9.5	68.908	2.3	9.5	4.630	-8.6	10.5
Feb-19	3.654	-8.7	8.9	66.024	8.6	9.6	69.678	7.5	9.6	4.599	-3.4	10.4
Mar-19	4.752	-4.4	11.6	86.884	10.3	12.6	91.636	9.4	12.6	5.000	-17.6	11.3
4th Quarter	12.201	-6.9	29.7	218.021	7.5	31.7	230.222	6.6	31.6	14.229	-10.5	32.1
2018-19	41.132	2.5	100.0	687.586	8.2	100.0	728.718	7.9	100.0	44.283	-5.1	100.0

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

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

TABLE 3.7: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS DURING 2018-19

(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)
2018-19															
Apr-18	0.485	6.6	8.7	1.489	105.9	7.7	0.305	-5.6	8.7	0	-	-	1.191	5.6	8.4
May-18	0.443	-5.1	8.0	1.552	78.8	8.0	0.260	-23.1	7.4	0	-	-	1.187	8.9	8.4
Jun-18	0.418	-8.9	7.5	1.237	3.4	6.4	0.276	-2.8	7.9	0	-	-	1.140	7.5	8.0
1st Quarter	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
Jul-18	0.406	-4.7	7.3	1.162	-8.8	6.0	0.225	-21.3	6.4	0	-	-	1.101	-4.1	7.8
Aug-18	0.412	-10.0	7.4	1.461	12.0	7.5	0.298	0.7	8.5	0	-	-	1.225	1.7	8.6
Sep-18	0.383	-15.3	6.9	1.367	20.4	7.1	0.249	-4.6	7.1	0	-	-	1.158	-1.4	8.2
2nd Quarter	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-18	0.455	7.1	8.2	1.687	45.8	8.7	0.302	6.7	8.6	0	-	-	1.215	3.3	8.6
Nov-18	0.451	-5.5	8.1	1.582	12.3	8.2	0.301	4.9	8.6	0	-	-	1.202	3.3	8.5
Dec-18	0.506	0.2	9.1	1.796	72.4	9.3	0.301	9.9	8.6	0	-	-	1.143	2.1	8.1
3rd Quarter	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-19	0.526	-3.7	9.4	1.963	51.5	10.1	0.320	8.5	9.1	0	-	-	1.240	1.9	8.7
Feb-19	0.527	-1.7	9.5	1.923	67.1	9.9	0.324	-8.2	9.3	0	-	-	1.064	1.1	7.5
Mar-19	0.558	2.0	10.0	2.144	48.6	11.1	0.341	-12.6	9.7	0	-	-	1.316	-1.5	9.3
4th Quarter	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
2018-19	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

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

(2) **Share (%) is calculated 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)
2009-10	0.251	1.2	76.8	1.113	0.2	10.3	109.953	20.7	7.9
2010-11	0.299	1.4	19.1	1.101	0.2	-1.1	113.825	21.4	3.5
2011-12	0.221	1.0	-26.1	0.602	0.1	-45.3	113.958	21.1	0.1
2012-13	0.073	0.3	-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	0.38	161.893	22.2	13.6

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)
2009-10	0.023	0.0	109.1	105.917	19.9	10.0	74.074	13.9	3.9
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

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)
2009-10	41.005	7.7	5.9	5.767	1.1	4.8	106.409	20.0	8.1
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

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

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

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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)
2009-10	22.338	65.6	4.8	10.526	30.9	4.1	1.207	3.5	20.8
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

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
2009-10	34.071	5.1
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

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

[Quantity in Million Tonnes]

Company	2016-17			2017-18			2018-19		
	Coking	Non-coking	Total	Coking	Non-coking	Total	Coking	Non-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.031	40.486	40.517	0.034	43.534	43.568	0.029	50.131	50.160
BCCL	32.393	4.644	37.037	23.304	9.303	32.607	24.339	6.700	31.039
CCL	21.988	45.059	67.047	9.577	53.828	63.405	9.340	59.381	68.721
NCL		84.096	84.096		93.018	93.018		101.503	101.503
WCL	0.131	45.501	45.632	0.180	46.040	46.220	0.188	52.992	53.180
SECL	0.110	134.569	134.679	0.182	139.973	140.155	0.247	152.150	152.397
SECL(GP-IV/2&3)		4.480	4.480		3.227	3.227		3.271	3.271
SECL(GP-IV/1)		0.844	0.844		1.327	1.327		1.681	1.681
MCL		139.208	139.208		143.058	143.058		144.151	144.151
NEC		0.600	0.600		0.781	0.781		0.784	0.784
CIL	54.653	499.487	554.140	33.277	534.089	567.366	34.143	572.744	606.887
SCCL		61.336	61.336		62.010	62.010		64.401	64.401
JKML		0.010	0.010		0.014	0.014		0.013	0.013
DVC	0.152		0.152	0.047		0.047	0.000	0.000	0.000
IISCO	0.540	0.226	0.766	0.415	0.378	0.793	0.443	0.300	0.743
SAIL		0.000	0.000	0.185	0.000	0.185		0.000	0.000
JSMDCL		0.297	0.297		0.351	0.351		0.228	0.228
RRVUNL		8.267	8.267		8.329	8.329		15.000	15.000
NTPC		0.228	0.228		2.679	2.679		7.311	7.311
WBPDCCL								0.400	0.400
Total Public	55.345	569.851	625.196	33.924	607.850	641.774	34.586	660.397	694.983
TSL	6.316	0.000	6.316	6.224	0.000	6.224	6.546	0.000	6.546
Meghalaya		2.308	2.308		1.529	1.529		0.000	0.000
BALCO		0.180	0.180		0.000	0.000		0.667	0.667
CESC		1.742	1.742		1.878	1.878		1.856	1.856
GMR		0.151	0.151		0.270	0.270		0.000	0.000
HIL		2.000	2.000		2.414	2.414		2.173	2.173
JPVL		2.800	2.800		2.800	2.800		2.800	2.800
SIL		0.153	0.153		0.270	0.270		0.270	0.270
SPL		16.997	16.997		18.003	18.003		18.000	18.000
RCCPL		0.025	0.025		0.063	0.063		0.103	0.103
TUML					0.175	0.175		0.300	0.300
OCL								0.161	0.161
AMBUJA								0.100	0.100
TSPGCL								0.759	0.759
Total Private	6.316	26.356	32.672	6.224	27.402	33.626	6.546	27.189	33.735
ALL INDIA	61.661	596.207	657.868	40.148	635.252	675.400	41.132	687.586	728.718
LIGNITE									
NLC			27.617			25.153			24.250
GMDCL			7.652			10.601			9.160
GIPCL			2.816			3.123			3.313
RSMML			0.549			1.019			1.317
GHCL			0.078			0.057			0.093
VSLPPL			0.508			0.426			0.305
BLMCL			6.010			6.265			5.845
ALL INDIA			45.230			46.644			44.283
COAL & LIGNITE			703.098			722.044			773.001

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

(Quantity in Million Tonnes)

State	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)
COKING					
Chhattisgarh	0.126	0.135	0.110	0.182	0.247
Jharkhand	56.430	58.548	59.604	38.768	39.641
Madhya Pradesh	0.310	0.209	0.131	0.180	0.188
West Bengal	0.580	1.995	1.816	1.018	1.056
Total Coking	57.446	60.887	61.661	40.148	41.132
NON-COKING					
Arunachal Pradesh	0.000	0.000	0.000	0.000	0.000
Assam	0.779	0.487	0.600	0.781	0.784
Chhattisgarh	134.638	130.470	138.415	142.364	161.646
Jammu & Kashmir	0.013	0.013	0.010	0.014	0.013
Jharkhand	67.713	62.519	66.831	84.529	95.025
Madhya Pradesh	87.299	107.505	104.882	111.947	118.473
Maharashtra	38.257	38.351	40.559	42.219	49.818
Meghalaya	2.524	3.712	2.308	1.529	0.000
Odisha	123.627	138.461	139.359	143.328	144.312
Telangana	52.536	60.380	61.336	62.010	65.160
Uttar Pradesh	14.957	12.689	16.056	18.309	20.275
West Bengal	29.390	23.756	25.851	28.222	32.080
Total Non-Coking	551.733	578.343	596.207	635.252	687.586
Total Coal	609.179	639.230	657.868	675.400	728.718

TABLE 3.12: STATEWISE PRODUCTION OF LIGNITE IN LAST FIVE YEARS

(Quantity in Million Tonnes)

State	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)
Gujarat	12.317	10.123	10.546	13.781	12.566
Rajasthan	10.763	9.492	8.480	9.294	8.676
Tamilnadu	25.190	24.227	26.204	23.569	23.041
TOTAL	48.270	43.842	45.230	46.644	44.283

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

[Quantity in Million Tonnes]

States	Coal Company	2016-2017			2017-2018			2018-2019		
		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		0.600	0.600		0.781	0.781		0.784	0.784
Chhattisgarh	SECL	0.110	122.644	122.754	0.182	127.867	128.049	0.247	139.552	139.799
Chhattisgarh	SECL(GP-IV/2&3)		4.480	4.480		3.227	3.227		3.271	3.271
Chhattisgarh	SECL(GP-IV/1)		0.844	0.844		1.327	1.327		1.681	1.681
Chhattisgarh	RRVUNL		8.267	8.267		8.329	8.329		15.000	15.000
Chhattisgarh	HIL (GP-IV/4)		1.000	1.000		0.939	0.939		0.838	0.838
Chhattisgarh	HIL (GP-IV/5)		1.000	1.000		0.675	0.675		0.537	0.537
Chhattisgarh	AMBUJA								0.100	0.100
Chhattisgarh	BALCO		0.180	0.180		0.000	0.000		0.667	0.667
Chhattisgarh	TOTAL	0.110	138.415	138.525	0.182	142.364	142.546	0.247	161.646	161.893
Jammu & Kashmir	JKML		0.010	0.010		0.014	0.014		0.013	0.013
Jharkhand	ECL	0.031	16.903	16.934	0.034	17.930	17.964	0.029	20.736	20.765
Jharkhand	BCCL	30.577	4.318	34.895	22.286	8.940	31.226	23.283	6.568	29.851
Jharkhand	CCL	21.988	45.059	67.047	9.577	53.828	63.405	9.340	59.381	68.721
Jharkhand	JSMDCCL		0.297	0.297		0.351	0.351		0.228	0.228
Jharkhand	DVC	0.152		0.152	0.047		0.047	0.000		0.000
Jharkhand	IISCO CJ	0.540	0.026	0.566	0.415	0.001	0.416	0.443	0.003	0.446
Jharkhand	SAIL				0.185		0.185	0.000		0.000
Jharkhand	NTPC		0.228	0.228		2.679	2.679		7.311	7.311
Jharkhand	TSL	6.316		6.316	6.224		6.224	6.546		6.546
Jharkhand	HIL_KOC					0.800	0.800		0.798	0.798
Jharkhand	TOTAL	59.604	66.831	126.435	38.768	84.529	123.297	39.641	95.025	134.666
Madhya Pradesh	NCL		68.040	68.040		74.709	74.709		81.228	81.228
Madhya Pradesh	WCL	0.131	5.095	5.226	0.180	4.266	4.446	0.188	3.744	3.932
Madhya Pradesh	SECL		11.925	11.925		12.106	12.106		12.598	12.598
Madhya Pradesh	SPL		16.997	16.997		18.003	18.003		18.000	18.000
Madhya Pradesh	JPVL		2.800	2.800		2.800	2.800		2.800	2.800
Madhya Pradesh	RCCPL		0.025	0.025		0.063	0.063		0.103	0.103
Madhya Pradesh	TOTAL	0.131	104.882	105.013	0.180	111.947	112.127	0.188	118.473	118.661
Maharashtra	WCL		40.406	40.406		41.774	41.774		49.248	49.248
Maharashtra	SIL		0.153	0.153		0.270	0.270		0.270	0.270
Maharashtra	TUML					0.175	0.175		0.300	0.300
Maharashtra	TOTAL	0	40.559	40.559		42.219	42.219		49.818	49.818
Meghalaya	MEG		2.308	2.308		1.529	1.529		0.000	0.000
Odisha	MCL		139.208	139.208		143.058	143.058		144.151	144.151
Odisha	GMR		0.151	0.151		0.270	0.270		0.000	0.000
Odisha	OCL								0.161	0.161
Odisha	TOTAL		139.359	139.359		143.328	143.328		144.312	144.312
Telangana	SCCL		61.336	61.336		62.010	62.010		64.401	64.401
Telangana	TSPGCL								0.759	0.759
Telangana	TOTAL	0.000	61.336	61.336	0.000	62.010	62.010		65.160	65.160
Uttar Pradesh	NCL		16.056	16.056		18.309	18.309		20.275	20.275
West Bengal	ECL		23.583	23.583		25.604	25.604		29.395	29.395
West Bengal	BCCL	1.816	0.326	2.142	1.018	0.363	1.381	1.056	0.132	1.188
West Bengal	WBPDCCL								0.400	0.400
West Bengal	IISCOR		0.200	0.200		0.377	0.377		0.297	0.297
West Bengal	CESC		1.742	1.742		1.878	1.878		1.856	1.856
West Bengal	TOTAL	1.816	25.851	27.667	1.018	28.222	29.240	1.056	32.080	33.136
Total Public		55.345	569.851	625.196	33.924	607.850	641.774	34.586	660.397	694.983
Total Private	TOTAL	6.316	26.356	32.672	6.224	27.402	33.626	6.546	27.189	33.735
All India		61.661	596.207	657.868	40.148	635.252	675.400	41.132	687.586	728.718

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)
2016-17	BCCL	1182	1128					
	CCL	1139	1461					
	WCL	41	32					
	DCC				9	12	11	47
	SAIL			7828				
	IISCO	712	481	834				
	RINL			2523				
	TSL	3340	1496	2594				
	TOTAL	6414	4598	13779	9	12	11	47
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

Coke production of RINL is included in this table.

TABLE 3.15: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2018-19

(Quantity in Million Tonnes)

Companies	PRODUCTION OF COKING COAL										
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	Mg feed	Met.Coal	Non Met	Total Coking
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ECL						0.029				0.029	0.029
BCCL	0.035	0.000		0.058	2.736	3.280	18.230		24.339	0.000	24.339
CCL				0.000	1.154	2.463	5.721	0.002	3.568	5.772	9.340
NCL											0.000
WCL							0.188		0.188	0.000	0.188
SECL			0.247							0.247	0.247
SECL(GP-IV/2&3)											0.000
SECL(GP-IV/1)											0.000
MCL											0.000
NEC											0.000
CIL	0.035	0.000	0.247	0.058	3.890	5.772	24.139	0.002	28.095	6.048	34.143
SCCL											0.000
JKML											0.000
JSMDCCL											0.000
DVC							0.000			0.000	0.000
IISCO						0.168	0.275		0.443	0.000	0.443
SAIL							0.000				0.000
RRVUNL											0.000
NTPC											0.000
WBPDCCL											0.000
Total Public	0.035	0.000	0.247	0.058	3.890	5.940	24.414	0.002	28.538	6.048	34.586
TSL					0.449	0.637	5.460		6.546	0.000	6.546
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
TSPGCL											0.000
Total Private	0.000	0.000	0.000	0.000	0.449	0.637	5.460	0.000	6.546	0.000	6.546
ALL INDIA	0.035	0.000	0.247	0.058	4.339	6.577	29.874	0.002	35.084	6.048	41.132

Contd....

TABLE 3.15A: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2018-19

(Quantity in Million Tonnes)

Companies	PRODUCTION OF NON-COKING COAL																			Total N-coking	Total Coal
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	UNG			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	
ECL			1.670	14.879	8.633	1.912	4.595	1.442		0.097	0.000		16.903							50.131	50.160
BCCL			0.000	0.000	0.038	0.320	0.330	4.555	1.354	0.103	0.000									6.700	31.039
CCL				0.000	0.167	0.002	1.902	7.969	9.469	14.030	16.252	4.216	4.837	0.537						59.381	68.721
NCL					0.000	0.000	24.424	24.842	0.339	27.046	18.440	6.412								101.503	101.503
WCL						0.110	0.487	1.873	7.985	19.200	11.425	8.837	3.075							52.992	53.180
SECL			1.642	0.458	2.879	4.453	6.472	5.494	1.370	7.955	110.969	1.100	4.956	1.419	2.631	0.352				152.150	152.397
SECL(GP-IV/2&3)												0.222		0.254		2.795				3.271	3.271
SECL(GP-IV/1)												0.177			0.441		1.063			1.681	1.681
MCL							0.000	0.107	0.316	0.320	0.387	42.174	65.566	35.281						144.151	144.151
NEC	0.087	0.480	0.001	0.053	0.000	0.163														0.784	0.784
CIL	0.087	0.480	3.313	15.390	11.717	6.960	38.210	46.282	20.833	68.751	157.473	63.138	95.337	37.491	3.072	3.147	1.063	0.000		572.744	606.887
SCCL					0.736		2.496	6.480	7.729	6.691	14.349	2.159	15.372	3.546	3.813	0.700	0.205	0.125		64.401	64.401
JKML																	0.013			0.013	0.013
JSMDCL												0.228								0.228	0.228
DVC																				0.000	0.000
IISCO			0.155			0.142												0.003		0.300	0.743
SAIL																				0.000	0.000
RRVUNL											13.172						1.828			15.000	15.000
NTPC									6.81				0.501							7.311	7.311
WBPDCCL							0.4		0											0.400	0.400
Total Public	0.087	0.480	3.313	15.545	12.453	7.102	41.106	52.762	35.372	75.442	184.994	65.525	111.210	41.037	6.885	3.847	3.109	0.128		660.397	694.983
TSL																				0.000	6.546
BALCO								0.526			0.141									0.667	0.667
CESC												1.856								1.856	1.856
GMR													0.000	0.000						0.000	0.000
HIL						0.798	0.242		0.223	0.000	0.438	0.472								2.173	2.173
JPVL											2.800									2.800	2.800
SIL								0.270												0.270	0.270
SPL										8.524	9.476									18.000	18.000
RCCPL								0.103												0.103	0.103
TUML												0.300								0.300	0.300
OCL										0.161										0.161	0.161
AMBUJA										0.100										0.100	0.100
TSPGCL								0.759												0.759	0.759
Total Private	0.000	0.000	0.000	0.000	0.000	0.798	0.242	1.658	0.223	8.785	14.711	0.772	0.000	0.000	0.000	0.000	0.000	0.000		27.189	33.735
ALL INDIA	0.087	0.480	3.313	15.545	12.453	7.900	41.348	54.420	35.595	84.227	199.705	66.297	111.210	41.037	6.885	3.847	3.109	0.128		687.586	728.718

TABLE 3.16: GRADEWISE PRODUCTION OF COKING COAL AND NON COKING COAL BY STATES IN 2018-19

(Quantity in Million Tonnes)

Grade	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Madhya Pradesh	Maharashtra	Odisha	Telangana	Uttar Pradesh	West Bengal	India (2018-19)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Steel-I				0.035							0.035
Steel-II				0.000							0.000
SC		0.247									0.247
Wash-I				0.058							0.058
Wash-II				3.699						0.640	4.339
Wash-III				6.161						0.416	6.577
Wash-IV				29.686	0.188						29.874
mgfeed				0.002							0.002
Met.Coal				33.840	0.188						34.028
Non Met	0.000	0.247	0.000	5.801	0.000	0.000	0.000	0.000	0.000	1.056	7.104
Total Coking	0.000	0.247	0.000	39.641	0.188	0.000	0.000	0.000	0.000	1.056	41.132
G1	0.087										0.087
G2	0.480										0.480
G3	0.001	1.642		0.520	0.000					1.150	3.313
G4	0.053	0.091		0.372	0.367					14.662	15.545
G5	0.000	2.239		0.534	0.640			0.736	0.000	8.304	12.453
G6	0.163	1.580		0.995	2.983	0.000		0.000		2.179	7.900
G7		3.861		4.223	27.641	0.123	0.000	2.496		3.004	41.348
G8		1.525		13.041	16.173	1.561	0.107	7.239	13.849	0.925	54.420
G9		1.303		17.633	1.819	6.795	0.316	7.729			35.595
G10		7.092		14.230	30.354	19.200	0.481	6.691	6.179		84.227
G11		124.720		16.252	30.670	11.224	0.387	14.349	0.247	1.856	199.705
G12		1.971		4.444	7.464	8.085	42.174	2.159			66.297
G13		4.956		22.241	0.245	2.830	65.566	15.372			111.210
G14		1.673		0.537	0.000		35.281	3.546			41.037
G15		2.955			0.117			3.813			6.885
G16		3.147						0.700			3.847
G17		2.891	0.013					0.205			3.109
UNG				0.003				0.125			0.128
Total Non-Coking	0.784	161.646	0.013	95.025	118.473	49.818	144.312	65.160	20.275	32.080	687.586
India (18-19)	0.784	161.893	0.013	134.666	118.661	49.818	144.312	65.160	20.275	33.136	728.718

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

(Quantity in Million Tonnes)

Type	Grade	2009-10	2010-11	2011-12	Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(New)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
PRODUCTION OF COKING COAL	Steel-I	0.109	0.263	0.083	Steel-I	0.072	0.061	0.050	0.037	0.023	0.155	0.035
	Steel-II	1.380	1.558	1.135	Steel-II	1.37	0.604	0.456	1.051	1.004	0.051	0.000
	SC-1	0.167	0.17	0.199	SC-1	0.167	0.135	0.130	0.135	0.110	0.182	0.247
	Wash-I	0.297	0.235	0.246	Wash-I	0.26	0.145	0.115	0.415	0.315	0.176	0.058
	Wash-II	1.868	1.757	1.815	Wash-II	1.711	2.042	2.228	2.493	3.420	4.552	4.339
	Wash-III	10.068	10.165	13.147	Wash-III	12.346	12.616	12.335	12.968	10.796	3.991	6.577
	Wash-IV	30.524	35.399	35.035	Wash-IV	35.656	40.962	42.132	43.788	45.993	31.041	29.874
	SLV1	0	0	0	SLV1	0	0.253	0	0	0	0	0.002
	Met.Coal	17.731	17.695	13.784	Met.Coal	14.547	15.114	13.784	14.339	15.254	32.866	34.028
	Non Met	26.682	31.852	37.876	Non Met	37.035	41.704	43.662	46.548	46.344	7.282	7.104
Total Coking	44.413	49.547	51.660	Total Coking	51.582	56.818	57.446	60.887	61.661	40.148	41.132	
PRODUCTION OF NON - COKING COAL	A	10.692	12.182	14.942	G1	5.899	6.13	2.740	3.831	2.418	1.710	0.087
	B	25.827	24.023	59.312	G2	0.48	0.416	0.565	0.341	0.309	0.264	0.480
	C	56.147	55.581	28.918	G3	5.622	5.374	5.469	5.189	5.279	3.513	3.313
	D	50.518	45.710	77.109	G4	17.619	21.526	19.025	17.665	17.319	14.535	15.545
	E	117.855	121.227	78.257	G5	15.162	13.236	14.789	16.302	13.600	14.730	12.453
	F	219.097	212.693	205.194	G6	22.708	17.714	22.680	13.114	14.140	10.868	7.900
	G				G7	34.842	35.837	37.838	39.038	35.574	36.817	41.348
					G8	24.189	28.273	30.523	33.15	29.574	40.980	54.420
					G9	66.817	57.003	52.704	44.579	38.924	27.547	35.595
					G10	59.118	55.405	64.411	82.855	98.175	91.478	84.227
					G11	120.369	126.328	130.703	147.46	143.233	179.975	199.705
					G12	36.932	56.372	79.169	90.578	91.786	53.418	66.297
					G13	81.09	68.984	76.348	77.619	90.937	101.743	111.210
	G14	3.168	4.556	5.054	1.439	6.419	44.637	41.037				
	G15	3.968	3.858	3.806	4.073	3.263	7.894	6.885				
	G16	1.63	3.093	2.627	0.418	4.505	3.544	3.847				
	G17	5.207	4.786	3.258	0.666	0.459	1.467	3.109				
Ungraded	0.394	1.119	10.846		0.056	0.024	0.026	0.293	0.132	0.128		
Total Non-Coking	487.629	483.147	488.290		504.820	508.947	551.733	578.343	596.207	635.252	687.586	
TOTAL COAL	532.042	532.694	539.950		556.402	565.765	609.179	639.230	657.868	675.400	728.718	

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)
2009-10	387.997	38.460	473.519	89.00	9.16	43.262	11.969	58.523	11.00	-0.76	532.042	7.97
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

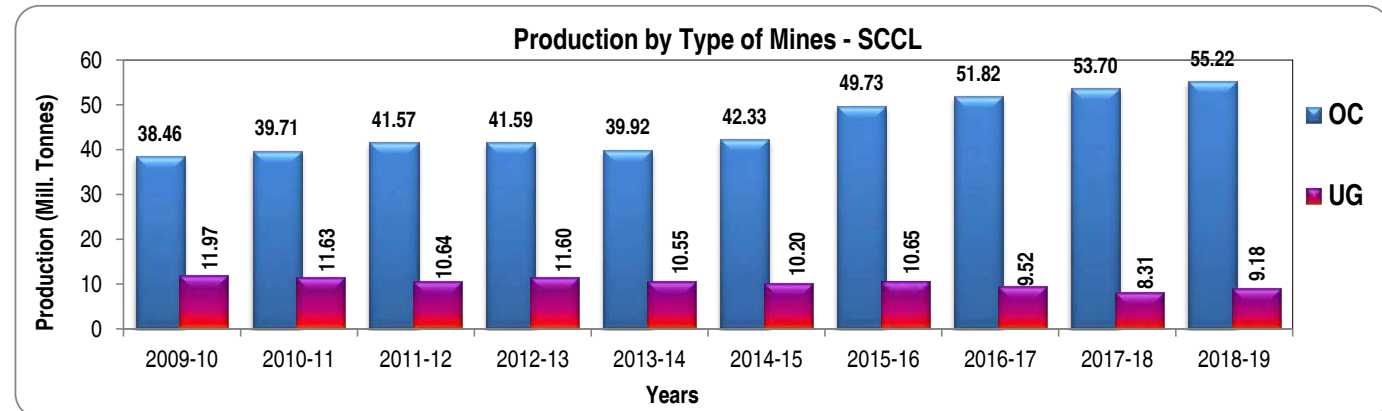
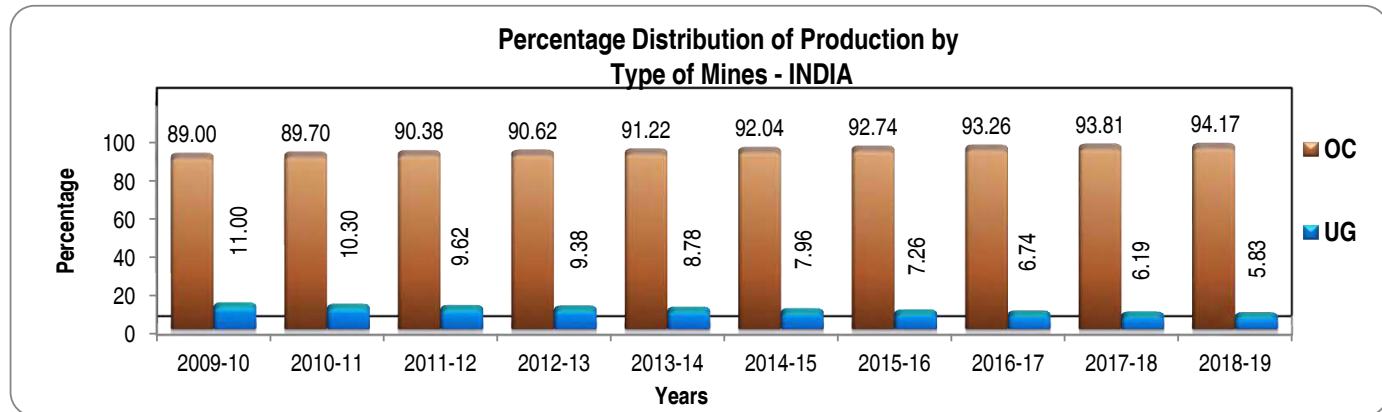
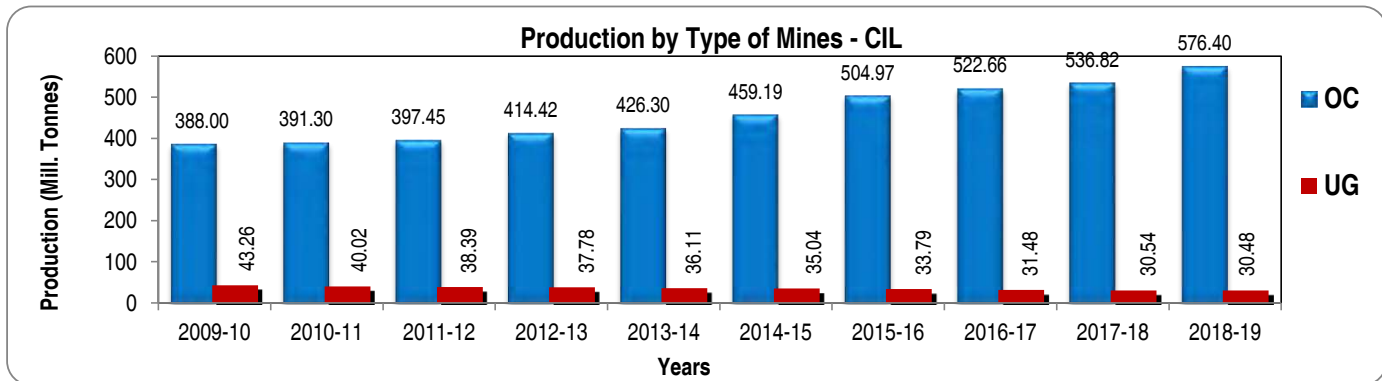


TABLE 3.19 : COMPANY WISE PRODUCTION OF RAW COAL FROM OPENCAST AND UNDER GROUND MINES IN TWO YEARS

(Quantity in Million Tonnes)

COMPANIES	Y E A R 2017 - 2018						Y E A R 2018 - 2019					
	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	34.965	5.52	7.95	8.603	20.57	5.86	41.099	5.99	17.54	9.061	21.32	5.32
BCCL	31.531	4.98	-10.82	1.076	2.57	-35.91	30.139	4.39	-4.41	0.900	2.12	-16.36
CCL	63.000	9.94	-4.99	0.405	0.97	-45.05	68.408	9.97	8.58	0.313	0.74	-22.72
NCL	93.018	14.68	10.61				101.503	14.79	9.12			
WCL	41.266	6.51	2.49	4.954	11.84	-7.71	48.615	7.08	17.81	4.565	10.74	-7.85
SECL	125.694	19.84	4.63	14.461	34.57	-0.60	137.624	20.06	9.49	14.773	34.76	2.16
SECL(GP-IV/2&3)	3.227	0.51	-27.97				3.271	0.48	1.36			
SECL(GP-IV/1)	1.327	0.21	57.23				1.681	0.24	26.68			
MCL	142.017	22.42	2.77	1.041	2.49	2.56	143.280	20.88	0.89	0.871	2.05	-16.33
NEC	0.778	0.12	30.32	0.003	0.01	0.00	0.784	0.11	0.77			
CIL	536.823	84.73	2.71	30.543	73.02	-9.60	576.404	84.00	7.37	30.483	71.72	-0.20
SCCL	53.700	8.48	3.63	8.310	19.87	-12.66	55.223	8.05	2.84	9.178	21.59	10.45
JKML				0.014	0.03	0.00				0.013	0.03	0.00
DVC	0.047	0.01	-69.08									
IISCO	0.566	0.09	11.86	0.227	0.54	-12.69	0.504	0.07	-10.95	0.239	0.56	5.29
JSMDC	0.351	0.06	18.18				0.228	0.03	-35.04			
RRVUNL	8.329	1.31	0.75				15.000	2.19	80.09			
SAIL	0.185	0.03	0.00									
NTPC	2.679	0.42	1075.00				7.311	1.07	172.90			
WBPDC							0.400	0.06	100.00			
PUBLIC	602.680	95.12	3.21	39.094	93.46	-5.25	655.070	95.46	8.69	39.913	93.90	2.09
TSL	5.046	0.80	0.80	1.178	2.82	-10.08	5.303	0.77	5.09	1.243	2.92	5.52
Meghalaya	1.529	0.24	-33.75									
BALCO							0.667	0.10	100.00			
CESC	1.878	0.30	7.81				1.856	0.27	-1.17			
GMR	0.270	0.04	78.81				0.000	0.00	-100.00			
HIL	1.188	0.19	197.00	1.226	2.93	-23.38	1.198	0.17	0.84	0.975	2.29	-20.47
JPVL	2.800	0.44	0.00		0.00		2.800	0.41	0.00			
SIL				0.270	0.65	76.47				0.270	0.64	0.00
SPL	18.003	2.84	5.92				18.000	2.62	-0.02			
RCCPL				0.063	0.15	152.00				0.103	0.24	63.49
TUML	0.175	0.03	100.00				0.300	0.04	71.43			
OCL							0.161	0.02	100.00			
AMBUJA							0.100	0.01	100.00			
TSPGCL							0.759	0.11	100.00			
PRIVATE	30.889	4.88	4.41	2.737	6.54	-11.37	31.144	4.54	0.83	2.591	6.10	-5.33
All India	633.569	100.00	3.27	41.831	100.00	-5.68	686.214	100.00	8.31	42.504	100.00	1.61

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 2018-19

(Quantity in Million Tonnes)

Type of Mine	OPEN CAST						UNDER GROUND												TOTAL	
	Mechanised		Manual		Total OC		Conven. B & P		Mecha. B & P		Conven. LW		Mecha. LW		Other Methods		Total UG			
Company	Quantity	% of OC	Quantity	% of OC	Quantity	% of Total	Quantity	% of UG	Quantity	% of UG	Quantity	% of UG	Quantity	% of UG	Quantity	% of UG	Quantity	% of Tot	Quantity	% of Tot
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
ECL	41.099	6.0			41.099	6.0		0.0	5.317	17.4		0.0	1.453	43.1	2.291	27.8	9.061	21.3	50.160	6.9
BCCL	30.139	4.4			30.139	4.4		0.0	0.568	1.9	0.088	48.9	0.244	7.2		0.0	0.900	2.1	31.039	4.3
CCL	68.408	10.0			68.408	10.0	0.051	34.7	0.260	0.9		0.0		0.0	0.002	0.0	0.313	0.7	68.721	9.4
NCL	101.503	14.8			101.503	14.8		0.0		0.0		0.0		0.0		0.0	0.000	0.0	101.503	13.9
WCL	48.615	7.1			48.615	7.1	0.012	8.2	4.553	14.9		0.0		0.0		0.0	4.565	10.7	53.180	7.3
SECL	137.624	20.1			137.624	20.1		0.0	10.141	33.2		0.0		0.0	4.632	56.2	14.773	34.8	152.397	20.9
SECL(GP-IV/2&3)	3.271	0.5			3.271	0.5		0.0		0.0		0.0		0.0		0.0	0.000	0.0	3.271	0.4
SECL(GP-IV/1)	1.681	0.2			1.681	0.2		0.0		0.0		0.0		0.0		0.0	0.000	0.0	1.681	0.2
MCL	143.280	20.9			143.280	20.9		0.0	0.871	2.8		0.0		0.0		0.0	0.871	2.0	144.151	19.8
NEC	0.784	0.1			0.784	0.1		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.784	0.1
CIL	576.404	84.0	0.000	0.0	576.404	84.0	0.063	42.9	21.710	71.0	0.088	48.9	1.697	50.3	6.925	84.0	30.483	71.7	606.887	83.3
SCCL	55.223	8.0			55.223	8.0	0.024	16.3	6.305	20.6		0.0	1.675	49.7	1.174	14.2	9.178	21.6	64.401	8.8
JKML	0.000	0.0			0.000	0.0	0.013	8.8		0.0		0.0		0.0		0.0	0.013	0.0	0.013	0.0
JSMDC	0.228	0.0			0.228	0.0		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.228	0.0
DVC	0.000	0.0			0.000	0.0		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.000	0.0
IISCO	0.504	0.1			0.504	0.1	0.003	2.0		0.0	0.092	51.1		0.0	0.144	1.7	0.239	0.6	0.743	0.1
SAIL	0.000	0.0			0.000	0.0		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.000	0.0
RRVUNL	15.000	2.2			15.000	2.2		0.0		0.0		0.0		0.0		0.0	0.000	0.0	15.000	2.1
NTPC	7.311	1.1			7.311	1.1		0.0		0.0		0.0		0.0		0.0	0.000	0.0	7.311	1.0
WBPDC	0.400	0.1			0.400	0.1		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.400	0.1
Total Public	655.070	95.5	0.000	0.0	655.070	95.5	0.103	70.1	28.015	91.7	0.180	100.0	3.372	100.0	8.243	100.0	39.913	93.9	694.983	95.4
TSL	5.303	0.8			5.303	0.8	0.044	29.9	1.199	3.9		0.0		0.0		0.0	1.243	2.9	6.546	0.9
Meghalaya	0.000	0.0			0.000	0.0		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.000	0.0
BALCO	0.667	0.1			0.667	0.1		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.667	0.1
CESC	1.856	0.3			1.856	0.3		0.0		0.0		0.0		0.0		0.0	0.000	0.0	1.856	0.3
GMR	0.000	0.0			0.000	0.0		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.000	0.0
HIL	1.198	0.2			1.198	0.2		0.0	0.975	3.2		0.0		0.0		0.0	0.975	2.3	2.173	0.3
JPVL	2.800	0.4			2.800	0.4		0.0		0.0		0.0		0.0		0.0	0.000	0.0	2.800	0.4
SIL	0.000	0.0			0.000	0.0		0.0	0.270	0.9		0.0		0.0		0.0	0.270	0.6	0.270	0.0
SPL	18.000	2.6			18.000	2.6		0.0		0.0		0.0		0.0		0.0	0.000	0.0	18.000	2.5
RCCPL	0.000	0.0			0.000	0.0		0.0	0.103	0.3		0.0		0.0		0.0	0.103	0.2	0.103	0.0
TUML	0.300	0.0			0.300	0.0		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.300	0.0
OCL	0.161	0.0			0.161	0.0		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.161	0.0
AMBUJA	0.100	0.0			0.100	0.0		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.100	0.0
TSPGCL	0.759	0.1			0.759	0.1		0.0		0.0		0.0		0.0		0.0	0.000	0.0	0.759	0.1
PRIVATE	31.144	4.5	0.000	0.0	31.144	4.5	0.044	29.9	2.547	8.3	0.000	0.0	0.000	0.0	0.000	0.0	2.591	6.1	33.735	4.6
India (18-19)	686.214	100.0	0.000	0.0	686.214	100.0	0.147	100.0	30.562	100.0	0.180	100.0	3.372	100.0	8.243	100.0	42.504	100.0	728.718	100.0

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	2016 - 2017			2017 - 2018			2018 - 2019		
	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	124.637	32.390	3.85	118.895	34.965	3.40	126.056	41.099	3.07
BCCL	131.215	35.358	3.71	110.466	31.531	3.50	103.245	30.139	3.43
CCL	102.630	66.310	1.55	95.622	63.000	1.52	100.490	68.408	1.47
NCL	324.136	84.096	3.85	316.795	93.018	3.41	318.225	101.503	3.14
WCL	166.142	40.264	4.13	185.287	41.266	4.49	192.026	48.615	3.95
SECL	174.588	120.131	1.45	203.898	125.694	1.62	181.546	137.624	1.32
SECL(GP-IV/2&3)	3.039	4.480	0.68	0.634	3.227	0.20	1.063	3.271	0.32
SECL(GP-IV/1)	1.164	0.844	1.38	0.486	1.327	0.37	0.833	1.681	0.50
MCL	123.342	138.193	0.89	138.179	142.017	0.97	130.002	143.280	0.91
NEC	5.676	0.597	9.51	7.853	0.778	10.09	8.500	0.784	10.84
CIL	1156.569	522.663	2.21	1178.115	536.823	2.19	1161.986	576.404	2.19
SCCL	312.636	51.821	6.03	392.115	53.700	7.30	377.153	55.223	6.83
JKML					0.000				
DVC	0.202	0.152	1.33	0.198	0.047	4.21			
IISCO	2.619	0.506	5.18	4.100	0.566	7.24	0.000	0.504	0.00
SAIL				0.065	0.185	0.35			
JSMDCL	0.517	0.297	1.74	0.731	0.351	2.08	0.000	0.228	0.00
RRVUNL	16.189	8.267	1.96	19.493	8.329	2.34	0.000	15.000	0.00
NTPC	4.252	0.228	18.65	8.497	2.679	3.17	0.000	7.311	0.00
WBPDCCL							0.000	0.400	0.00
PUBLIC	1492.984	583.934	2.56	1603.314	602.680	2.66	1539.139	655.070	2.35
TSL	20.043	5.006	4.00	18.891	5.046	3.74	18.969	5.303	3.58
Meghalaya		2.308	0.00		1.529	0.00			
HIL	2.313	0.400	5.78	9.189	1.188	7.73	9.304	1.198	7.77
SPL	78.087	16.997	4.59	77.366	18.003	4.30	81.509	18.000	4.53
CESC	4.639	1.742	2.66	5.503	1.878	2.93	5.207	1.856	2.81
GMR	0.229	0.151	1.52	0.112	0.270	0.41	0.000	0.000	0.00
BALCO	0.975	0.180	5.42				2.819	0.667	4.23
JPVL	18.108	2.800	6.47	16.992	2.800	6.07	15.713	2.800	5.61
TUML				0.412	0.175	2.35	1.363	0.300	4.54
RCCPL							0.000	0.000	0.00
OCL							0.691	0.161	4.29
AMBUJA							0.926	0.100	9.26
TSPGCL							22.221	0.759	29.28
PRIVATE	124.394	29.584	4.56	128.465	30.889	4.38	158.722	31.144	5.10
INDIA	1617.378	613.518	2.65	1731.779	633.569	2.74	1697.861	686.214	2.47

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 (OPEN CAST)		OMS (UNDER GROUND)		OMS (OVERALL)	
	CIL	SCCL	CIL	SCCL	CIL	SCCL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2009-10	9.48	10.71	0.78	1.08	4.48	3.36
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

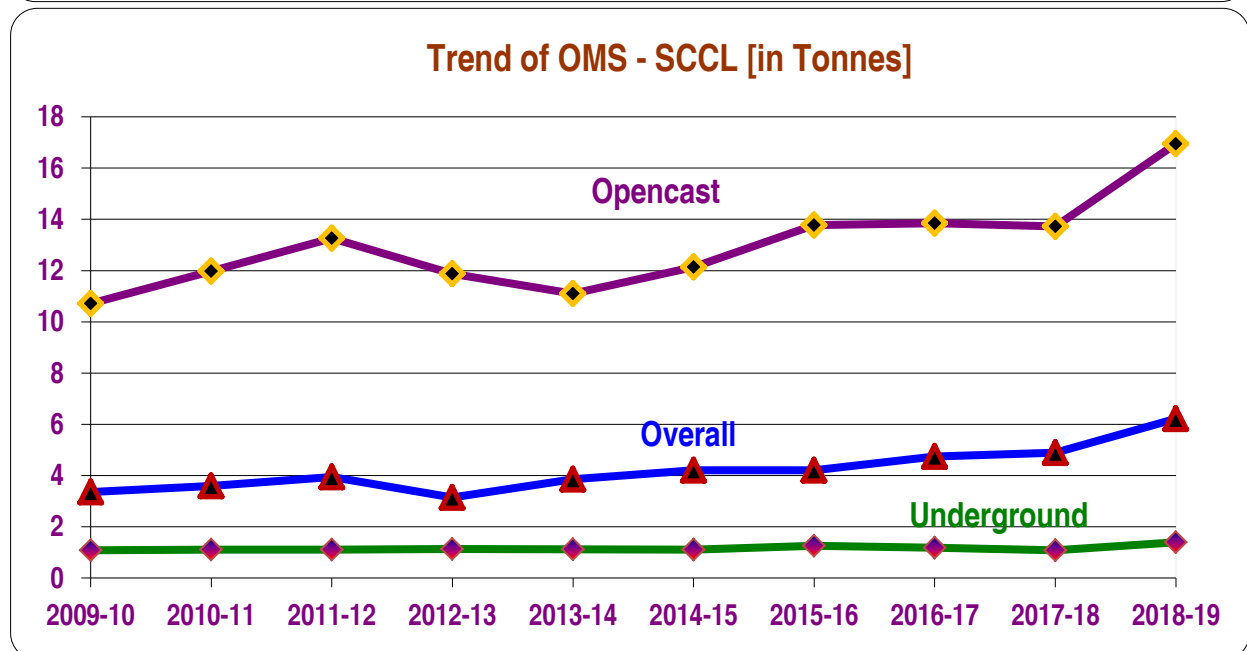
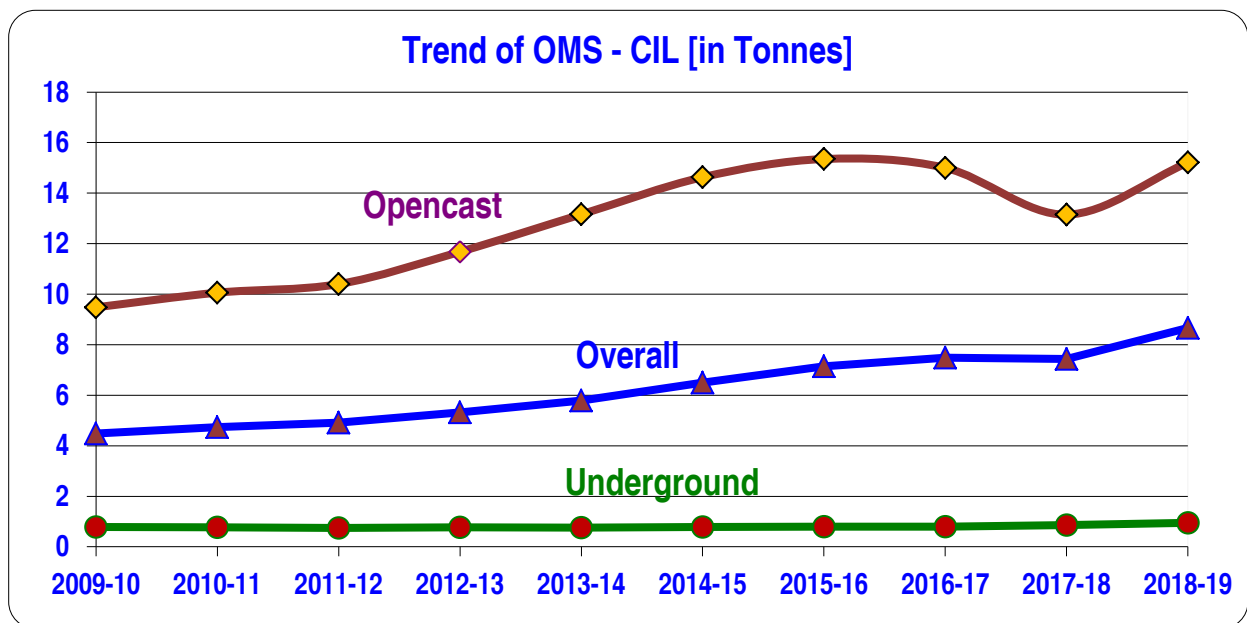


TABLE 3.23 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2016-2017			2017-2018			2018-2019		
		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	32.390	2.510	12.91	34.965	2.415	14.48	41.099	2.415	17.02
BCCL	OC	35.358	4.097	8.60	31.531	4.835	6.48	30.139	4.978	6.05
CCL	OC	66.310	6.761	9.81	63.000	6.722	9.37	68.406	7.023	9.74
NCL	OC	84.096	4.121	20.18	93.018	6.889	0.00	101.503	4.171	24.34
WCL	OC	40.264	7.102	0.56	41.266	11.289	3.62	48.615	11.027	4.40
SECL	OC	120.131	4.677	26.63	125.694	3.962	31.72	137.624	4.461	30.85
SECL(GP-IV/2&3)	OC	4.480	0.024	188.48	3.227	0.034	95.39	3.271	0.037	88.41
SECL(GP-IV/1)	OC	0.844	0.010	80.86	1.327	0.020	66.63	1.681	0.023	73.09
MCL	OC	138.193	5.374	25.72	142.017	4.505	31.52	143.280	3.630	28.75
NEC	OC	0.597	0.163	3.67	0.778	0.149	5.21	0.784	0.134	5.84
CIL	OC	522.663	34.839	15.00	536.823	40.820	13.15	576.402	37.899	15.21
SCCL	OC	51.821	2.863	13.85	53.700	2.951	13.73	55.223	2.917	16.95
ECL	UG	8.127	12.656	0.64	8.603	12.019	0.72	9.061	11.597	0.78
BCCL	UG	1.679	6.289	0.30	1.076	5.339	0.20	0.900	4.549	0.20
CCL	UG	0.737	2.507	0.29	0.405	2.091	0.19	0.315	1.469	0.21
NCL	UG									
WCL	UG	5.368	5.772	0.93	4.954	5.344	0.93	4.565	4.697	0.97
SECL	UG	14.548	10.318	1.41	14.461	9.162	1.58	14.773	8.586	1.82
SECL(GP-IV/2&3)	UG									
SECL(GP-IV/1)	UG									
MCL	UG	1.015	1.560	0.65	1.041	1.402	0.74	0.871	1.086	0.82
NEC	UG	0.003	0.150	0.02	0.003	0.124	0.02	0.000	0.099	0.00
CIL	UG	31.477	39.252	0.80	30.543	35.481	0.86	30.485	32.083	0.95
SCCL	UG	9.515	8.104	1.17	8.310	7.546	1.08	9.178	6.547	1.40
ECL	ALL	40.517	15.166	2.67	43.568	14.434	2.67	50.160	14.012	3.58
BCCL	ALL	37.037	10.386	3.60	32.607	10.174	3.60	31.039	9.527	6.25
CCL	ALL	67.047	9.268	7.23	63.405	8.813	7.23	68.721	8.492	8.09
NCL	ALL	84.096	4.121	20.18	93.018	6.889	20.18	101.503	4.171	24.34
WCL	ALL	45.632	12.874	3.50	46.220	16.633	3.50	53.180	15.724	3.37
SECL	ALL	134.679	14.995	9.29	140.155	13.124	9.29	152.397	13.047	11.68
SECL(GP-IV/2&3)	ALL	4.480	0.024	188.48	3.227	0.034	188.48	3.271	0.037	88.41
SECL(GP-IV/1)	ALL	0.844	0.010	80.86	1.327	0.020	80.86	1.681	0.023	73.09
MCL	ALL	139.208	6.934	20.08	143.058	5.907	20.08	144.151	4.716	23.82
NEC	ALL	0.600	0.313	1.92	0.781	0.273	1.92	0.784	0.233	3.37
CIL	ALL	554.140	74.091	7.48	567.366	76.301	7.44	606.887	69.982	8.67
SCCL	ALL	61.336	10.967	4.74	62.010	10.497	4.89	64.401	9.464	6.22

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

(Quantity in Million Tonnes)

STATES	2016-2017			2017-2018			2018-2019		
	OC	UG	TOTAL	OC	UG	TOTAL	OC	UG	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ASSAM	0.597	0.003	0.600	0.778	0.003	0.781	0.784		0.784
CHHATTISGARH	129.411	9.114	138.525	133.463	9.083	142.546	152.982	8.911	161.893
JAMMU & KASHMIR		0.010	0.010		0.014	0.014		0.013	0.013
JHARKHAND	121.968	4.467	126.435	119.996	3.301	123.297	131.542	3.124	134.666
MAHARASHTRA	38.148	2.411	40.559	39.974	2.245	42.219	47.795	2.023	49.818
MEGHALAYA	2.308		2.308	1.529		1.529			0.000
MADHYA PRADESH	94.844	10.169	105.013	102.481	9.646	112.127	108.909	9.752	118.661
ODISHA	138.344	1.015	139.359	142.287	1.041	143.328	143.441	0.871	144.312
TELANGANA	51.821	9.515	61.336	53.700	8.310	62.010	55.982	9.178	65.160
UTTAR PRADESH	16.056		16.056	18.309		18.309	20.275		20.275
WEST BENGAL	20.021	7.646	27.667	21.052	8.188	29.240	24.502	8.634	33.136
ALL INDIA	613.518	44.350	657.868	633.569	41.831	675.400	686.212	42.506	728.718

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

(Quantity in Million Tonnes)

Block	Company	State	2016-17			2017-18			2018-19		
			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		4.480	4.480		3.227	3.227		3.271	3.271
Gare Palma IV/1	SECL	Chhattisgarh		0.844	0.844		1.327	1.327		1.681	1.681
Parsa East & Kanta Basan	RRVUNL	Chhattisgarh		8.267	8.267		8.329	8.329		15.000	15.000
Pakri Barwadih	NTPC	Jharkhand		0.228	0.228		2.679	2.679		6.810	6.810
Dulanga	NTPC	Jharkhand								0.501	0.501
Tasra	SAIL	Jharkhand				0.185		0.185			0.000
Barjora	WBPDCCL	West Bengal								0.400	0.400
Total Public			0.000	13.819	13.819	0.185	15.562	15.747	0.000	27.663	27.663
Gare Palma IV/4	HIL	Chhattisgarh		1.000	1.000		0.939	0.939		0.838	0.838
Gare Palma IV/5	HIL	Chhattisgarh		1.000	1.000		0.675	0.675		0.537	0.537
Kathautia	HIL	Jharkhand					0.800	0.800		0.798	0.798
Amelia North	JPVL	Madhya Pradesh		2.800	2.800		2.800	2.800		2.800	2.800
Belgaon	SIL	Maharashtra		0.153	0.153		0.270	0.270		0.270	0.270
Chotia II	BALCO	Chhattisgarh		0.180	0.180		0.000	0.000		0.667	0.667
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		16.997	16.997		18.003	18.003		18.000	18.000
Sarshatali	CESC	West Bengal		1.742	1.742		1.878	1.878		1.856	1.856
Talabira I	GMR	Odisha		0.151	0.151		0.270	0.270		0.000	0.000
Sial Ghogri	RCCPL	Madhya Pradesh		0.025	0.025		0.063	0.063		0.103	0.103
Marki Mangli I	TUML	Maharashtra					0.175	0.175		0.300	0.300
Ardhagram	OCL	Odisha								0.161	0.161
Gare Palma IV/8	AMBUJA	Chhattisgarh								0.100	0.100
Tadicherla	TSPGCL	Telangana								0.759	0.759
Total Private			0.000	24.048	24.048	0.000	25.873	25.873	0.000	27.189	27.189
Grand Total			0.000	37.867	37.867	0.185	41.435	41.620	0.000	54.852	54.852

Section

4

Despatch & Off-take



COAL DIRECTORY OF INDIA 2018-19

Section IV

4.1 Despatch & Off-take

4.1.1 In 2018-19, despatch of raw coal was 732.794 MT, against 690.003 Mt in 2017-18, thus increased by 6.2% over 2017-18.

4.1.2 Statement 4.10 shows despatch of raw coal (coking and non-coking) by public and private sector in 2017-18.

Statement 4.10: Despatch of Raw Coal			
Company	Coal Despatch (2018-19) [MT]		
	Coking	Non-coking	Total
ECL	0.026	50.198	50.224
BCCL	25.726	7.356	33.082
CCL	10.117	58.328	68.445
NCL		101.574	101.574
WCL	0.196	55.354	55.550
SECL*	0.249	155.772	156.021
MCL		142.303	142.303
NEC		0.754	0.754
CIL	36.314	571.639	607.953
SCCL		67.669	67.669
Other Public	0.443	22.854	23.297
Total Public	36.757	662.162	698.919
Total Private	6.561	27.314	33.875
ALL INDIA	43.318	689.476	732.794

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

It can be seen that Coal India Limited accounted for 82.96% of coal despatch in the country. The share of SCCL in the coal despatch was 9.23% and the contribution of private sector was 4.62%. In the CIL group, the major share in despatch was SECL (21.29%), MCL (19.41%) and NCL (13.86%). These three companies collectively accounted for 53.87% of the raw coal despatch at all India level.

4.1.3 Concept of despatch and off-take has been explained in Section 1. In Statement 4.11, despatch and off-take of raw coal in 2018-19, has been shown.

Statement 4.11 : Despatch and Off-take of Raw Coal in India in 2018-19 by Company [MT]		
Company	Raw Coal	
	Despatch	Off-take
ECL	50.224	50.408
BCCL	33.082	33.100
CCL	68.445	68.446
NCL	101.574	101.574
WCL	55.550	55.554
SECL*	156.021	156.121
MCL	142.303	142.306
NEC	0.754	0.754
CIL	607.953	608.173
SCCL	67.669	67.669
Other Public	23.297	23.297
Total Public	698.919	699.139
Total Private	33.875	33.875
ALL INDIA	732.794	733.014

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

4.1.4 Statement 4.11 shows despatch of washed coal and middlings in 2018-19 by different companies. It may be observed that share of public sector in washed was 82.04% and middling was 65.20%.

Statement 4.11 : Despatch of Washed Coal and Middlings in 2018-19 (MT)		
Company	Washed coal	Middlings
BCCL	0.607	0.802
CCL	7.444	1.156
IISCO	0.401	0.556
RRVUNL	12.113	
Public	20.565	2.514
TSL	3.736	1.342
CESC	0.763	
Private	4.499	1.342
Total	25.064	3.856

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 2018-19. It may be seen that out of total despatch to different sector, maximum share was of power utility 78.30% and power captive 10.51%. The share of steel, cement, sponge Iron etc. are shown in the statement.

Statement 4.23: Despatch of Raw Coal in India in 2018-19 to different sectors [MT]	
Sector	Despatch & Off-take [MT]
Power (Utility)	555.002
Power (Captive)	74.512
Steel	0.298
Cement	8.816
Sponge Iron	12.253
Fertilizers	1.789
Pulp & Paper	1.804
Other Basic Metal	1.097
Chemical	0.248
Textiles & Rayons	0.204
Steel Boiler	0.298
Bricks	0.093
Others	51.606
Total Despatch	708.729
Colliery Consumption	0.220
Total Off-take	708.949

4.1.6 Statement 4.23 shows that out of total despatch of lignite in 2018-19, share of despatch to power utility was 49.87% and power captive 32.48%.

Statement 4.23: Despatch of Lignite in India in 2018-19 to different sectors [MT]	
Sector	Despatch & Off-take [MT]
Power (Utility)	22.848
Power (Captive)	14.880
Steel Boiler	0.094
Cement	1.803
Sponge Iron	0.048
Pulp & Paper	0.602
Chemical	0.328
Textiles & Rayons	2.614
Bricks	0.634
Others	1.769
Total Despatch	45.811
Colliery Consumption	0.000
Total Off-take	45.811

Chart IV.1 : Despatches of Raw Coal from different States during last three years

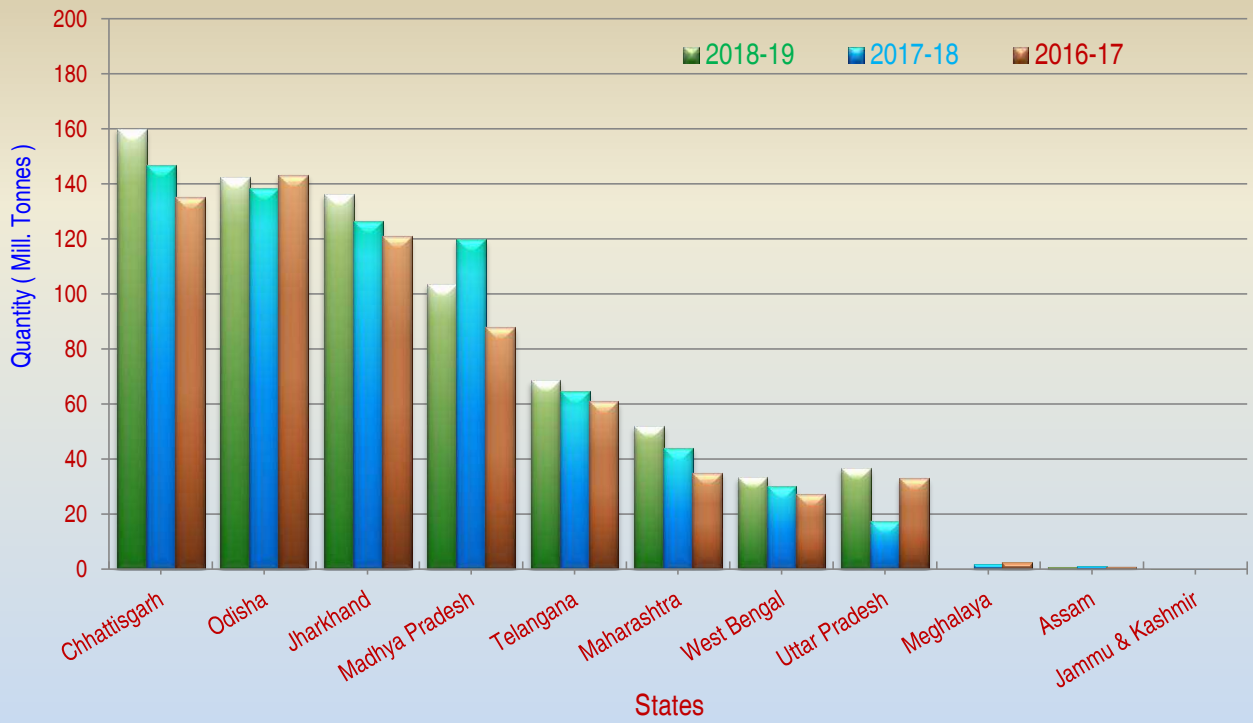


Chart IV.2 : Despatches of Raw Coal from different companies during last three years

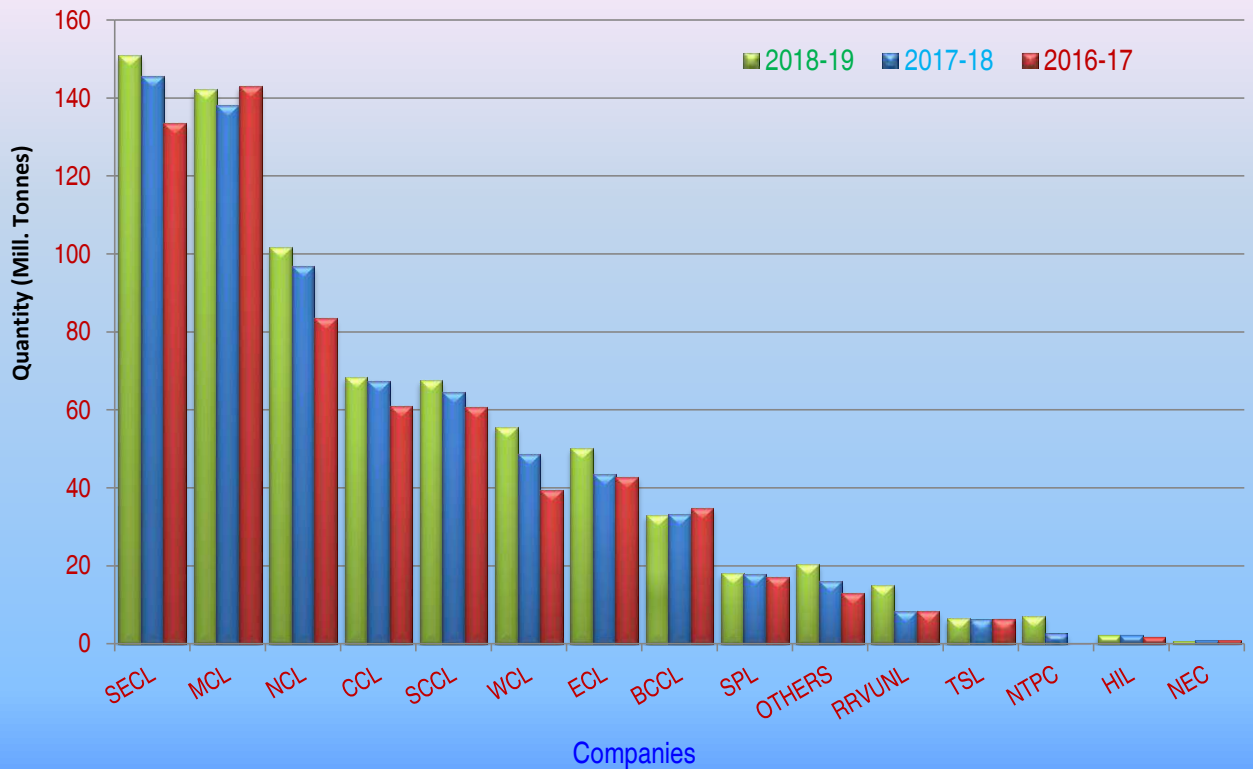


Chart IV.3: Sectorwise Despatches of Raw Coal from different companies in 2018-19

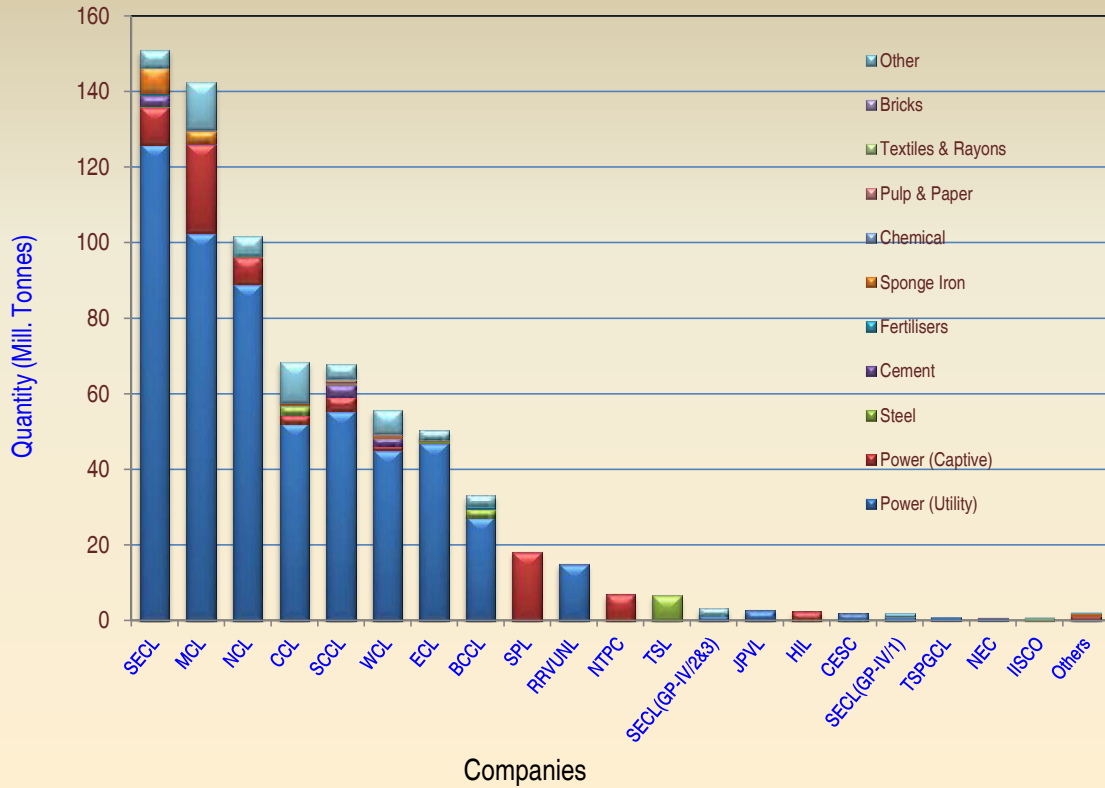


Chart IV.4: Grade Wise Raw Coal Despatched during 2018-19

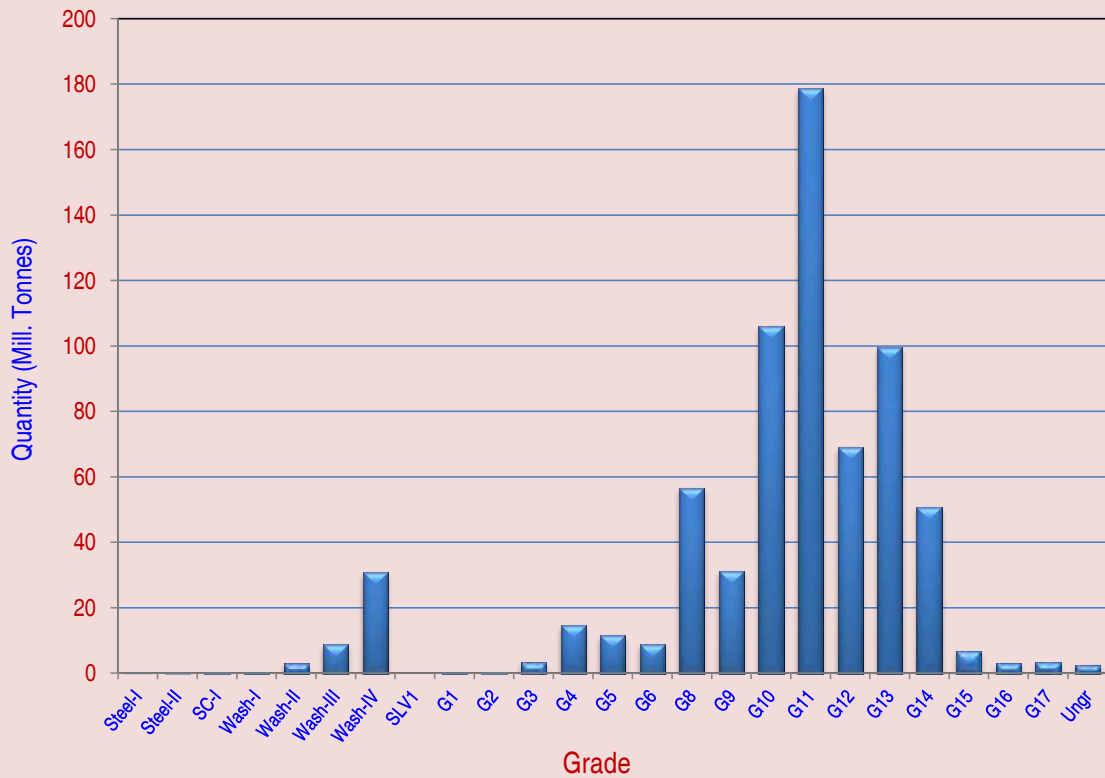


TABLE 4.1: TREND OF DESPATCHES OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS

(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)
2009-10	513.792	93.72	5.03	34.430	6.28	8.29	548.222	5.23
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



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 raw coal(%)	Change over previous year (%)	Despatches	Change over previous year (%)
	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 (%)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2009-10	15.173	35.73	0.74	27.296	64.27	32.10	42.469	8.27	18.88	471.323	91.73	3.94	513.792	5.03
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

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

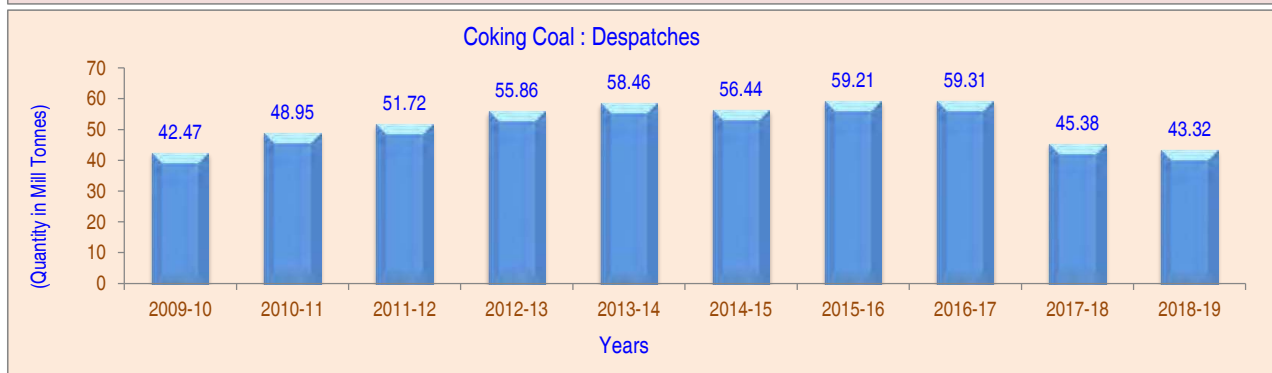
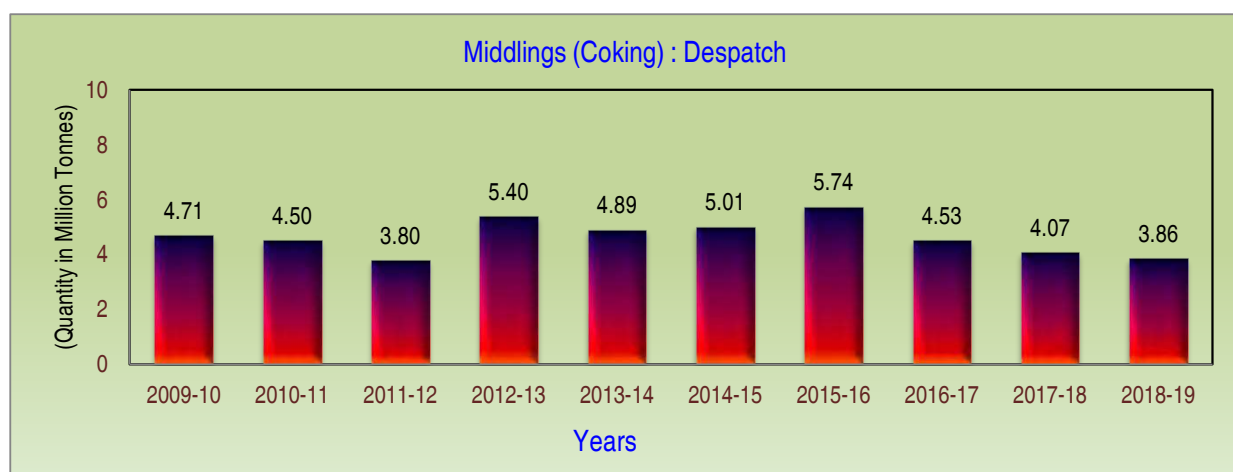
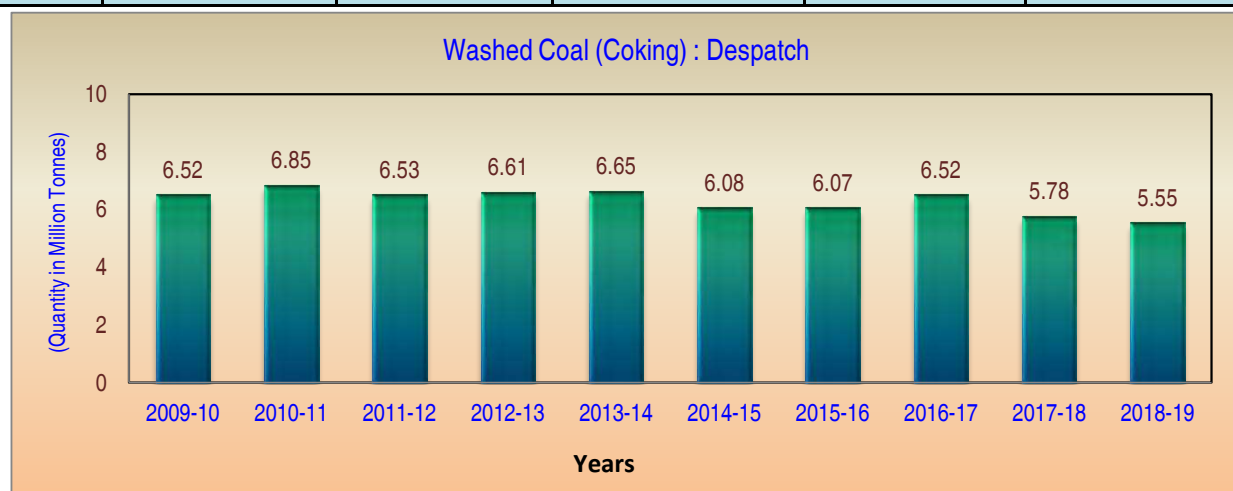


TABLE 4.3: TREND OF DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS

(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 year	Despatches	Percentage of change over previous year	Despatches	Percentage of change over previous year	Despatches	Percentage of change over previous year	Despatches	Percentage of change over previous year
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2009-10	6.518	-9.80	13.981	3.99	4.711	-12.12	3.726	-7.27	12.361	-0.83
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



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 COAL, LIGNITE & COAL PRODUCTS 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)
2016-17												
April - June	13.721	-3.9	23.1	144.650	4.8	24.7	158.371	4.0	24.5	11.192	-4.1	25.9
July - Sept.	13.228	-5.0	22.3	123.675	-5.9	21.1	136.903	-5.8	21.2	9.016	-6.9	20.9
Oct. - Dec.	15.498	4.2	26.1	154.630	3.6	26.4	170.128	3.6	26.3	10.590	17.3	24.5
Jan. - Mar.	16.861	4.5	28.4	163.715	6.0	28.0	180.576	5.8	28.0	12.357	4.5	28.6
TOTAL	59.308	0.2	100.0	585.253	2.1	100.0	645.978	2.1	100.0	43.155	2.2	100.0
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

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)
2016-17															
April - June	1.406	-2.0	21.6	5.467	39.1	27.9	1.158	13.1	25.6	0	-	-	3.108	-11.2	24.8
July - Sept.	1.499	-0.1	23.0	3.710	-3.5	18.9	1.240	-21.1	27.4	0	-	-	3.106	-9.4	24.7
Oct. - Dec.	1.756	10.6	27.0	4.952	6.3	25.3	1.088	-29.8	24.0	0	-	-	3.185	-7.9	25.4
Jan. - Mar.	1.854	19.9	28.5	5.450	6.6	27.8	1.039	-34.7	23.0	0	-	-	3.155	-4.0	25.1
TOTAL	6.515	7.4	100.0	19.579	11.6	100.0	4.525	-21.1	100.0	0	-	-	12.554	-8.2	100.0
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

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 2018-19
(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-18	3.656	-15.4	8.44	57.636	17.2	8.36	61.292	14.6	8.36	4.132	-5.4	9.02
May-18	3.575	-18.9	8.25	59.450	16.0	8.62	63.025	13.3	8.60	4.308	-0.3	9.40
Jun-18	3.279	-8.0	7.57	56.156	10.0	8.14	59.435	8.8	8.11	3.959	10.0	8.64
1st Quarter	10.510	-14.5	24.26	173.242	14.4	25.13	183.752	12.2	25.08	12.399	0.9	27.07
Jul-18	3.482	4.0	8.04	53.287	8.0	7.73	56.769	7.8	7.75	3.133	4.6	6.84
Aug-18	3.748	9.8	8.65	49.930	2.5	7.24	53.678	3.0	7.33	2.929	-9.4	6.39
Sep-18	3.737	10.7	8.63	49.554	2.2	7.19	53.291	2.8	7.27	3.079	-9.0	6.72
2nd Quarter	10.967	8.2	25.32	152.771	4.3	22.16	163.738	4.5	22.34	9.141	-4.9	19.95
Oct-18	3.789	3.9	8.75	56.997	6.9	8.27	60.786	6.7	8.30	3.695	-0.7	8.07
Nov-18	3.442	-5.8	7.95	58.673	3.4	8.51	62.115	2.8	8.48	3.628	-7.1	7.92
Dec-18	3.539	-11.0	8.17	60.483	1.6	8.77	64.022	0.8	8.74	4.429	4.2	9.67
3rd Quarter	10.770	-4.5	24.86	176.153	3.9	25.55	186.923	3.3	25.51	11.752	-1.1	25.65
Jan-19	3.675	-5.8	8.48	60.375	0.5	8.76	64.050	0.2	8.74	4.330	-8.5	9.45
Feb-19	3.459	-2.5	7.99	59.196	6.6	8.59	62.655	6.0	8.55	3.832	-8.2	8.36
Mar-19	3.937	-6.8	9.09	67.739	10.2	9.82	71.676	9.1	9.78	4.356	19.9	9.51
Apr-19	11.071	-5.1	25.56	187.310	5.8	27.17	198.381	5.1	27.07	12.518	-0.2	27.33
Yr. 2018-19	43.318	-4.5	100.00	689.476	7.0	100.00	732.794	6.2	100.00	45.810	-1.1	100.00

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

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

TABLE 4.7: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS DURING 2018-19

(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-18	0.462	5.7	8.32	1.189	-0.8	6.09	0.324	-6.9	8.40	0	-	-	0.898	-5.5	7.71
May-18	0.371	-27.8	6.68	1.446	27.4	7.41	0.321	-8.3	8.32	0	-	-	0.952	-0.4	8.17
Jun-18	0.401	-11.9	7.22	1.315	-0.6	6.74	0.312	-19.2	8.09	0	-	-	0.934	-5.7	8.02
1st Quarter	1.234	-12.2	22.23	3.950	8.0	20.24	0.957	-11.7	24.82	0	-	-	2.784	-3.9	23.91
Jul-18	0.420	-4.3	7.57	1.269	7.4	6.50	0.280	-20.0	7.26	0	-	-	0.979	-6.0	8.41
Aug-18	0.468	2.2	8.43	1.646	18.2	8.44	0.344	6.8	8.92	0	-	-	0.983	-7.8	8.44
Sep-18	0.401	-14.9	7.22	1.625	37.2	8.33	0.281	-19.0	7.29	0	-	-	0.961	-8.3	8.25
2nd Quarter	1.289	-5.8	23.22	4.540	20.8	23.27	0.905	-11.2	23.47	0	-	-	2.923	-7.4	25.10
Oct-18	0.456	14.3	8.21	1.711	40.0	8.77	0.281	-7.9	7.29	0	-	-	1.009	-7.2	8.66
Nov-18	0.481	0.4	8.67	1.635	35.1	8.38	0.316	9.7	8.20	0	-	-	0.964	-6.3	8.28
Dec-18	0.482	-0.4	8.68	1.786	62.2	9.15	0.343	11.7	8.90	0	-	-	0.971	-6.1	8.34
3rd Quarter	1.419	4.2	25.56	5.132	45.3	26.30	0.940	4.4	24.38	0	-	-	2.944	-6.5	25.28
Jan-19	0.537	-2.9	9.67	1.911	48.3	9.79	0.384	30.6	9.96	0	-	-	0.976	-6.2	8.38
Feb-19	0.516	-2.5	9.30	1.713	41.0	8.78	0.316	-4.5	8.20	0	-	-	0.944	-6.1	8.11
Mar-19	0.556	-0.7	10.02	2.267	72.8	11.62	0.354	-20.1	9.18	0	-	-	1.075	-7.9	9.23
Apr-19	1.609	-2.0	28.99	5.891	54.4	30.19	1.054	-1.3	27.33	0	-	-	2.995	-6.8	25.72
Yr. 2018-19	5.551	-3.9	100.00	19.513	32.2	100.00	3.856	-5.3	100.00	0	-	-	11.646	-6.2	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)
2009-10	0.226	0.04	75.19	1.071	0.21	28.26	106.921	20.81	3.78
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

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)
2009-10	0.017	0.00	41.67	99.863	19.44	4.66	73.481	14.30	2.00
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

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)
2009-10	40.743	7.93	3.84	5.767	1.12	4.82	100.591	19.58	7.80
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

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)
2009-10	49.266	9.59	10.93	13.587	2.64	9.15	22.259	4.33	-2.45
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

Year	All India	
	Quantity	Growth(%)
(41)	(42)	(43)
2009-10	513.792	5.03
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

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)
2009-10	22.812	66.26	9.95	10.411	30.24	3.63
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

Year	State: Rajasthan			ALL INDIA	
	Quantity	Share (%)	Growth (%)	Quantity	Growth (%)
(8)	(9)	(10)	(11)	(12)	(13)
2009-10	1.207	3.51	20.82	34.430	8.29
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

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

(Quantity in Million Tonnes)

Company	2016-17			2017-18			2018-19		
	Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.029	42.779	42.808	0.039	43.395	43.434	0.026	50.198	50.224
BCCL	31.080	3.733	34.813	24.165	9.138	33.303	25.726	7.356	33.082
CCL	21.038	39.895	60.933	13.966	53.543	67.509	10.117	58.328	68.445
NCL	0.000	83.491	83.491		96.772	96.772		101.574	101.574
WCL	0.115	39.377	39.492	0.279	48.464	48.743	0.196	55.354	55.550
SECL	0.015	133.527	133.542	0.303	145.435	145.738	0.249	150.733	150.982
SECL(GP-IV/2&3)		3.464	3.464		4.053	4.053		3.200	3.200
SECL(GP-IV/1)		0.654	0.654		1.301	1.301		1.839	1.839
MCL		143.007	143.007		138.262	138.262		142.303	142.303
NEC		0.777	0.777		0.895	0.895		0.754	0.754
CIL	52.277	490.704	542.981	38.752	541.258	580.010	36.314	571.639	607.953
SCCL		60.791	60.791		64.623	64.623		67.669	67.669
JKML		0.011	0.011		0.021	0.021		0.016	0.016
JSMDC		0.297	0.297		0.351	0.351		0.228	0.228
DVC	0.180		0.180			0.000			0.000
IISCO	0.540	0.231	0.771	0.415	0.374	0.789	0.443	0.301	0.744
SAIL			0.000			0.000			0.000
RRVUNL		8.267	8.267		8.329	8.329		15.000	15.000
NTPC		0.100	0.100		2.583	2.583		6.972	6.972
WBPDC								0.337	0.337
Total Public	52.997	560.401	613.398	39.167	617.539	656.706	36.757	662.162	698.919
TSL	6.311	0.000	6.311	6.213	0.000	6.213	6.561	0.000	6.561
MEGHALAYA		2.308	2.308		1.529	1.529		0.000	0.000
HIL		1.765	1.765		2.247	2.247		2.310	2.310
SPL		17.101	17.101		17.961	17.961		18.001	18.001
SIL		0.156	0.156		0.262	0.262		0.270	0.270
CESC		1.620	1.620		1.764	1.764		1.948	1.948
GMR		0.280	0.280		0.276	0.276		0.000	0.000
BALCO		0.221	0.221		0.000	0.000		0.563	0.563
JPVL		2.803	2.803		2.800	2.800		2.799	2.799
RCCPL		0.015	0.015		0.072	0.072		0.103	0.103
TUML			0.000		0.173	0.173		0.302	0.302
AMBUJA								0.100	0.100
OCL								0.161	0.161
TSPGCL								0.757	0.757
Total Private	6.311	26.269	32.580	6.213	27.084	33.297	6.561	27.314	33.875
ALL INDIA	59.308	586.670	645.978	45.380	644.623	690.003	43.318	689.476	732.794
LIGNITE :									
NLC			25.578			24.982			25.719
GMDCL			7.652			10.601			9.16
GIPCL			2.816			3.123			3.313
RSMML			0.549			1.019			1.317
GHCL			0.077			0.055			0.082
VSLPPL			0.476			0.426			0.303
BLMCL			6.007			6.111			5.917
ALL INDIA			43.155			46.317			45.811
COAL & LIGNITE			689.133			736.320			778.605

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

BY COMPANIES IN 2018-19

(Quantity in Million Tonnes)

Company	Raw Coal		Washed Coal		Middlings	
	Despatches	Offtake	Despatches	Offtake	Despatches	Offtake
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ECL	50.224	50.408				
BCCL	33.082	33.100	0.607	0.607	0.802	0.802
CCL	68.445	68.446	7.444	7.444	1.156	1.156
NCL	101.574	101.574				
WCL	55.550	55.554				
SECL	150.982	150.992				
SECL(GP-IV/2&3)	3.200	3.200				
SECL(GP-IV/1)	1.839	1.839				
MCL	142.303	142.306				
NEC	0.754	0.754				
CIL	607.953	608.173	8.051	8.051	1.958	1.958
SCCL	67.669	67.669				
JKML	0.016	0.016				
JSMDCL	0.228	0.228				
DVC	0.000	0.000				
IISCO	0.744	0.744	0.401	0.401	0.556	0.556
SAIL	0.000	0.000				
RRVUNL	15.000	15.000	12.113	12.113		
NTPC	6.972	6.972				
WBPDCCL	0.337	0.337				
PUBLIC	698.919	699.139	20.565	20.565	2.514	2.514
TSL	6.561	6.561	3.736	3.736	1.342	1.342
HIL	2.310	2.310				
SPL	18.001	18.001				
SIL	0.270	0.270				
CESC	1.948	1.948	0.763	0.763		
GMR	0.000	0.000				
BALCO	0.563	0.563				
JPVL	2.799	2.799				
RCCPL	0.103	0.103				
TUML	0.302	0.302				
AMBUJA	0.100	0.100				
OCL	0.161	0.161				
TSPGCL	0.757	0.757				
PRIVATE	33.875	33.875	4.499	4.499	1.342	1.342
ALL INDIA	732.794	733.014	25.064	25.064	3.856	3.856

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

(Quantity in Million Tonnes)

States	Company	2016-17			2017-18			2018-19		
		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		0.777	0.777		0.895	0.895		0.754	0.754
Chhattisgarh	SECL	0.015	120.882	120.897	0.303	130.991	131.294	0.249	137.481	137.730
Chhattisgarh	SECL(GP-IV/2&3)		3.464	3.464		4.053	4.053		3.200	3.200
Chhattisgarh	SECL(GP-IV/1)		0.654	0.654		1.301	1.301		1.839	1.839
Chhattisgarh	RRVUNL		8.267	8.267		8.329	8.329		15.000	15.000
Chhattisgarh	HIL_GP_IV/4		0.859	0.859		0.934	0.934		1.000	1.000
Chhattisgarh	HIL_GP_IV/5		0.906	0.906		0.745	0.745		0.552	0.552
Chhattisgarh	BALCO		0.221	0.221		0.000	0.000		0.563	0.563
Chhattisgarh	AMBUJA								0.100	0.100
Chhattisgarh	TOTAL	0.015	135.253	135.268	0.303	146.353	146.656	0.249	159.735	159.984
Jammu & Kashmir	JKML		0.011	0.011		0.021	0.021		0.016	0.016
Jharkhand	ECL	0.026	19.504	19.530	0.037	17.387	17.424	0.022	20.648	20.670
Jharkhand	BCCL	29.383	3.439	32.822	22.875	8.625	31.500	24.770	7.211	31.981
Jharkhand	CCL	21.038	39.895	60.933	13.966	53.543	67.509	10.117	58.328	68.445
Jharkhand	JSMDCL		0.297	0.297		0.351	0.351		0.228	0.228
Jharkhand	DVC	0.180		0.180	0.000		0.000			0.000
Jharkhand	IISCO	0.540	0.026	0.566	0.415	0.001	0.416	0.443	0.003	0.446
Jharkhand	SAIL			0.000			0.000			0.000
Jharkhand	NTPC		0.100	0.100		2.583	2.583		6.972	6.972
Jharkhand	TSL	6.311		6.311	6.213		6.213	6.561		6.561
Jharkhand	HIL_KOC					0.568	0.568		0.758	0.758
*Jharkhand	TOTAL	57.478	63.261	120.739	43.506	83.058	126.564	41.913	94.148	136.061
Madhya Pradesh	NCL		50.485	50.485		79.545	79.545		64.920	64.920
Madhya Pradesh	WCL	0.115	4.579	4.694	0.279	4.829	5.108	0.196	4.133	4.329
Madhya Pradesh	SECL		12.645	12.645		14.444	14.444		13.252	13.252
Madhya Pradesh	SPL		17.101	17.101		17.961	17.961		18.001	18.001
Madhya Pradesh	JPVL		2.803	2.803		2.800	2.800		2.799	2.799
Madhya Pradesh	RCCPL		0.015	0.015		0.072	0.072		0.103	0.103
*Madhya Pradesh	TOTAL	0.115	87.628	87.743	0.279	119.651	119.930	0.196	103.208	103.404
Maharashtra	WCL		34.798	34.798		43.635	43.635		51.221	51.221
Maharashtra	SIL		0.156	0.156		0.262	0.262		0.270	0.270
Maharashtra	TUML					0.173	0.173		0.302	0.302
*Maharashtra	TOTAL	0.000	34.954	34.954	0.000	44.070	44.070	0.000	51.793	51.793
Meghalaya	Meghalaya		2.308	2.308		1.529	1.529			0.000
Odisha	MCL		143.007	143.007		138.262	138.262		142.303	142.303
Odisha	GMR		0.280	0.280		0.276	0.276		0.000	0.000
Odisha	OCL								0.161	0.161
*Odisha	TOTAL		143.287	143.287		138.538	138.538		142.464	142.464
Telangana	SCCL		60.791	60.791		64.623	64.623		67.669	67.669
Telangana	TSPGCL								0.757	0.757
*Telangana	TOTAL	0.000	60.791	60.791	0.000	64.623	64.623	0.000	68.426	68.426
Uttar Pradesh	NCL		33.006	33.006		17.227	17.227		36.654	36.654
West Bengal	ECL	0.003	23.275	23.278	0.002	26.008	26.010	0.004	29.550	29.554
West Bengal	BCCL	1.697	0.294	1.991	1.290	0.513	1.803	0.956	0.145	1.101
West Bengal	IISCO		0.205	0.205		0.373	0.373		0.298	0.298
West Bengal	WBPDCCL								0.337	0.337
West Bengal	CESC		1.620	1.620		1.764	1.764		1.948	1.948
*West Bengal	TOTAL	1.700	25.394	27.094	1.292	28.658	29.950	0.960	32.278	33.238
Total Public		52.997	560.401	613.398	39.167	617.539	656.706	36.757	661.825	698.919
Total Private		6.311	26.269	32.580	6.213	27.084	33.297	6.561	27.314	33.875
All India		59.308	586.670	645.978	45.380	644.623	690.003	43.318	689.476	732.794

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)
2014-15	BCCL					
	CCL					
	WCL					
	DCC		9	7	30	55
	SAIL	8720				
	RINL	2355				
	TSL	2879				
	TOTAL		13954	9	7	30
2015-16	BCCL					
	CCL					
	WCL					
	DCC		3	2	20	8
	SAIL	8494				
	RINL	2480				
	TSL	2699				
	TOTAL		13954	3	2	20
2016-17	BCCL					
	CCL					
	WCL					
	DCC		1	1	11	21
	SAIL	7401				
	RINL	2559				
	TSL	2594				
	TOTAL		12554	1	1	11
2017-18	BCCL					
	CCL					
	WCL					
	DCC		1	0	1	141
	SAIL	7326				
	RINL	2559				
	TSL	2529				
	TOTAL		12414	1	0	1
2018-19	BCCL					
	CCL					
	WCL					
	DCC		1	0	3	138
	SAIL	6558				
	RINL	2559				
	TSL	2529				
	TOTAL		12414	1	0	3

TABLE 4.14: GRADEWISE DESPATCHES OF COKING COAL BY COMPANIES DURING 2018-19

(Quantity in Million Tonnes)

Companies	DESPATCHES OF COKING COAL										
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	SLV1	Met.Coal	Non Met	Total Coking
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ECL			0.004			0.022			0.004	0.022	0.026
BCCL	0.117	0.179		0.042	2.508	3.365	19.515		25.726	0.000	25.726
CCL						4.672	5.445		2.424	7.693	10.117
NCL											0.000
WCL							0.196		0.097	0.099	0.196
SECL			0.249							0.249	0.249
SECL (GP-IV/2&3)											0.000
SECL(GP-1)											0.000
MCL											0.000
NEC											0.000
CIL	0.117	0.179	0.253	0.042	2.508	8.059	25.156	0.000	28.251	8.063	36.314
SCCL											0.000
JKML											0.000
DVC											0.000
IISCO						0.168	0.275		0.443	0.000	0.443
SAIL										0.000	0.000
JSMDC											0.000
RRVUNL											0.000
NTPC											0.000
WBPDC											0.000
Total Public	0.117	0.179	0.253	0.042	2.508	8.227	25.431	0.000	28.694	8.063	36.757
TSL					0.449	0.638	5.474		6.561	0.000	6.561
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
TSPGCL											0.000
Total Private	0.000	0.000	0.000	0.000	0.449	0.638	5.474	0.000	6.561	0.000	6.561
ALL INDIA	0.117	0.179	0.253	0.042	2.957	8.865	30.905	0.000	35.255	8.063	43.318

TABLE 4.14A: GRADEWISE DESPATCHES OF NON COKING COAL BY COMPANIES DURING 2018-19

(Quantity in Million Tonnes)

Companies	DESPATCHES OF NON-COKING COAL																			Total N-coking	Total Coal	
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	Ungr	(20)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	
ECL			1.653	14.405	9.416	2.330	4.046	1.415		0.097										16.836	50.198	50.224
BCCL					0.038	0.754	0.355	4.505	1.327	0.105									0.272		7.356	33.082
CCL				0.005	0.166	0.092	2.062	7.548	4.640	19.306	11.628	7.260	4.820	0.801							58.328	68.445
NCL							24.232	25.331	0.242	26.331	19.294	5.520							0.624		101.574	101.574
WCL						0.110	0.495	2.017	8.434	18.439	12.027	10.631	3.201								55.354	55.550
SECL			1.642	0.087	1.159	4.477	7.668	6.646	1.922	8.185	108.166	1.064	5.889	0.686	2.744	0.398					150.733	150.982
SECL (GP-IV/2&3)												0.197		0.318		2.685					3.200	3.200
SECL(GP-1)												0.144			0.418		1.277				1.839	1.839
MCL							0.013	0.114	0.613	0.408	0.008	43.188	49.119	48.840							142.303	142.303
NEC	0.099	0.430	0.037	0.052		0.136															0.754	0.754
CIL	0.099	0.430	3.332	14.549	10.779	7.899	38.871	47.576	17.178	72.871	151.123	68.004	79.865	50.645	3.162	3.083	1.277	0.896		571.639	607.953	
SCCL					0.947		3.073	7.504	6.950	15.009	9.197		19.488	0.005	3.621		0.235	1.640			67.669	67.669
JKML																	0.016				0.016	0.016
DVC																					0.000	0.000
IISCO			0.153			0.145													0.003		0.301	0.744
SAIL																					0.000	0.000
JSMDC												0.228									0.228	0.228
RRVUNL											13.172						1.828				15.000	15.000
NTPC								6.797					0.175								6.972	6.972
WBPDCL							0.337														0.337	0.337
Total Public	0.099	0.430	3.332	14.702	11.726	8.044	42.281	55.080	30.925	87.880	173.492	68.232	99.528	50.650	6.783	3.083	3.356	2.539		662.162	698.919	
TSL																					0.000	6.561
CESC											1.948										1.948	1.948
HIL					0.758	0.252		0.205		0.513	0.582										2.310	2.310
SPL										18.001											18.001	18.001
GMR																					0.000	0.000
BALCO								0.461			0.102										0.563	0.563
SIL								0.270													0.270	0.270
JPVL											2.799										2.799	2.799
RCCPL								0.103													0.103	0.103
TUML												0.302									0.302	0.302
OCL						0.161															0.161	0.161
AMBUJA										0.100											0.100	0.100
TSPGCL								0.757													0.757	0.757
Total Private	0.000	0.000	0.000	0.000	0.000	0.758	0.413	1.591	0.205	18.101	5.362	0.884	0.000	0.000	0.000	0.000	0.000	0.000	0.000	27.314	33.875	
ALL INDIA	0.099	0.430	3.332	14.702	11.726	8.802	42.694	56.671	31.130	105.981	178.854	69.116	99.528	50.650	6.783	3.083	3.356	2.539		689.476	732.794	

TABLE 4.15: GRADEWISE DESPATCHES OF COKING COAL AND NON-COKING COAL BY STATES IN 2018-19

(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				0.117							0.117
Steel-II				0.179							0.179
SC-I		0.249								0.004	0.253
Wash-I				0.042							0.042
Wash-II				2.408						0.549	2.957
Wash-III				8.458						0.407	8.865
Wash-IV				30.709	0.196						30.905
SLV1											0.000
Met.Coal				34.198	0.097					0.960	35.255
Non Met	0.000	0.249	0.000	7.715	0.099	0.000	0.000	0.000	0.000	0.000	8.063
Tot Ckg.	0.000	0.249	0.000	41.913	0.196	0.000	0.000	0.000	0.000	0.960	43.318
G1	0.099										0.099
G2	0.430										0.430
G3	0.037	1.638		0.520	0.004					1.133	3.332
G4	0.052	0.005		0.005	0.082					14.558	14.702
G5		1.147		0.885	0.012			0.947		8.735	11.726
G6	0.136	0.737		1.846	3.850					2.233	8.802
G7		5.869		4.065	26.653	0.125	0.174	3.073		2.735	42.694
G8		1.389		12.553	6.934	1.697	0.114	8.261	24.808	0.915	56.671
G9		1.304		12.749	2.272	6.985	0.613	6.950	0.242	0.015	31.130
G10		7.580		19.508	39.524	18.394	0.408	15.009	5.558		105.981
G11		121.953		11.628	16.870	11.828	0.008	9.197	5.422	1.948	178.854
G12		1.987		7.488	6.741	9.712	43.188				69.116
G13		5.889		21.831	0.149	3.052	49.119	19.488			99.528
G14		1.004		0.801			48.840	0.005			50.650
G15		3.045			0.117			3.621			6.783
G16		3.083									3.083
G17		3.105	0.016					0.235			3.356
Ungr				0.269				1.640	0.624	0.006	2.539
Tot. Nckg	0.754	159.735	0.016	94.148	103.208	51.793	142.464	68.426	36.654	32.278	689.476
Total Coal	0.754	159.984	0.016	136.061	103.404	51.793	142.464	68.426	36.654	33.238	732.794

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

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

Type	Grade	2009-10	2010-11	2011-12	New Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)		(6)	(7)	(8)	(9)	(10)	(11)	(12)
COKING COAL	Steel-I	0.091	0.224	0.092	Steel-I	0.075	0.071	0.052	0.029	0.014	0.052	0.117
	Steel-II	1.057	1.226	1.271	Steel-II	1.671	0.898	0.327	1.035	0.969	0.095	0.179
	SC-1	0.158	0.170	0.204	SC-1	0.166	0.130	0.132	0.108	0.018	0.305	0.253
	Wash-I	0.291	0.193	0.185	Wash-I	0.297	0.190	0.102	0.198	0.166	0.052	0.042
	Wash-II	1.756	1.601	1.816	Wash-II	1.812	1.921	1.693	2.016	2.221	3.068	2.957
	Wash-III	9.114	10.432	13.730	Wash-III	13.335	13.582	12.177	13.155	11.504	4.133	8.865
	Wash-IV	30.000	35.081	34.425	Wash-IV	38.500	41.563	41.955	38.860	41.106	34.550	30.905
	Mg Feed				Mg Feed				3.812	3.310	3.125	0.000
	SLV1	0.002	0.023	0.000	SLV1	0.003	0.109			0.000	0.000	0.000
	Met.Coal	15.144	16.075	15.903	Met.Coal	14.730	15.236	13.494	13.866	14.039	34.199	35.255
Non Met	27.325	32.875	35.820	Non Met	41.129	43.228	42.944	45.347	45.269	11.181	8.063	
Total Coking	42.469	48.950	51.723		55.859	58.464	56.438	59.213	59.308	45.380	43.318	
NON - COKING COAL	A	10.266	11.772	14.678	G1	5.864	6.130	2.772	3.766	2.425	1.753	0.099
	B	27.689	25.648	60.175	G2	0.522	0.264	0.621	0.323	0.396	1.475	0.430
	C	53.242	54.760	28.050	G3	4.985	4.747	4.698	4.252	4.519	15.411	3.332
	D	52.679	49.524	51.887	G4	19.14	21.944	19.647	18.299	17.788	10.347	14.702
	E	118.933	117.677	106.834	G5	17.431	16.537	16.296	15.457	15.731	7.926	11.726
	F	205.325	207.576	197.845	G6	20.787	16.314	20.186	11.348	12.463	11.366	8.802
	SLV	2.712			G7	35.934	36.620	38.705	39.978	15.460	39.526	42.694
	G		6.075	13.386	G8	27.198	31.275	29.283	27.671	31.952	37.935	56.671
					G9	71.963	54.287	50.547	49.721	45.890	31.051	31.130
					G10	64.307	64.193	76.369	90.982	92.730	110.027	105.981
					G11	110.285	119.125	137.861	139.256	137.036	164.745	178.854
					G12	57.847	76.740	82.302	95.594	98.041	58.393	69.116
					G13	62.881	50.900	55.655	69.746	92.405	93.685	99.528
					G14	3.079	4.112	4.205	2.818	3.901	39.801	50.650
					G15	3.177	3.359	3.446	2.837	3.128	7.412	6.783
					G16	1.476	2.480	1.579	0.000	2.642	3.743	3.083
					G17	4.401	4.523	3.141	0.643	0.320	1.404	3.356
	Ungr	0.477	1.483	10.721	Ungr		0.046	0.021	0.538	0.539	2.340	2.539
				Mg Feed					9.304	6.283	0.000	
Total Non Coking	471.323	474.515	483.576		511.277	513.596	547.334	573.229	586.670	644.623	689.476	
TOTAL COAL	513.792	523.465	535.299		567.136	572.060	603.772	632.442	645.978	690.003	732.794	

TABLE 4.17: MODEWISE COMPANYWISE DESPATCHES OF COAL (External & Internal) /COAL PRODUCTS (Washed Coal & Middlings) in 2018-19

(Quantity in Million Tonnes)

Company	Raw Coal/ Coal Product	YEAR 2018-19 (External)							YEAR 2018-19 (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	34.174	2.409			13.641		50.224							0.000	50.224
BCCL	RC	22.830	8.625					31.455	0.565	1.062					1.627	33.082
BCCL	CP	1.354	0.055					1.409							0.000	1.409
CCL	RC	30.543	28.709					59.252		9.193					9.193	68.445
CCL	CP	8.600						8.600							0.000	8.600
NCL	RC	30.002	20.898	3.317		47.357		101.574							0.000	101.574
WCL	RC	35.319	17.633	0.390	1.828	0.380		55.550							0.000	55.550
SECL	RC	49.101	65.680	6.973		27.027	2.201	150.982							0.000	150.982
SECL(GP-IV/2&3)	RC		3.200					3.200							0.000	3.200
SECL(GP-IV/1)	RC		1.839					1.839							0.000	1.839
MCL	RC	87.384	42.780	1.573		10.566		142.303							0.000	142.303
NEC	RC	0.600	0.154					0.754							0.000	0.754
CIL	RC	289.953	191.927	12.253	1.828	98.971	2.201	597.133	0.565	10.255	0.000	0.000	0.000	0.000	10.820	607.953
CIL	CP	9.954	0.055	0.000	0.000	0.000	0.000	10.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	10.009
SCCL	RC	45.462	13.389		0.337	8.363	0.118	67.669							0.000	67.669
JKML	RC		0.016					0.016							0.000	0.016
DVC	RC							0.000							0.000	0.000
IISCO	RC		0.051				0.003	0.054	0.454	0.144	0.092				0.690	0.744
IISCO	CP	0.957						0.957							0.000	0.957
SAIL	RC							0.000							0.000	0.000
JSMDCL	RC		0.228					0.228							0.000	0.228
RRVUNL	RC							0.000	15.000						15.000	15.000
RRVUNL	CP	10.416	1.697					12.113							0.000	12.113
NTPC	RC		6.972					6.972							0.000	6.972
WBPDC	RC		0.337					0.337							0.000	0.337
PUBLIC	RC	335.415	212.920	12.253	2.165	107.334	2.322	672.409	0.565	25.709	0.144	0.092	0.000	0.000	26.510	698.919
PUBLIC	CP	21.327	1.752	0.000	0.000	0.000	0.000	23.079	0.000	0.000	0.000	0.000	0.000	0.000	0.000	23.079
TSL	RC							0.000	0.089	6.472					6.561	6.561
TSL	CP	5.078						5.078							0.000	5.078
CESC	RC							0.000	1.948						1.948	1.948
CESC	CP		0.763					0.763							0.000	0.763
HIL	RC		2.310					2.310							0.000	2.310
SPL	RC		18.001					18.001							0.000	18.001
GMR	RC							0.000							0.000	0.000
BALCO	RC		0.563					0.563							0.000	0.563
SIL	RC	0.270						0.270							0.000	0.270
JPVL	RC	2.799						2.799							0.000	2.799
RCCPL	RC		0.103					0.103							0.000	0.103
TUML	RC		0.302					0.302							0.000	0.302
OCL	RC		0.161					0.161							0.000	0.161
AMBUJA	RC		0.100					0.100							0.000	0.100
TSPGCL	RC		0.757					0.757							0.000	0.757
PRIVATE	RC	3.069	22.297	0.000	0.000	0.000	0.000	25.366	0.000	2.037	6.472	0.000	0.000	0.000	8.509	33.875
PRIVATE	CP	5.078	0.763	0.000	0.000	0.000	0.000	5.841	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.841
GRAND TOTAL	RC	338.484	235.217	12.253	2.165	107.334	2.322	697.775	0.565	27.746	6.616	0.092	0.000	0.000	35.019	732.794
GRAND TOTAL	CP	26.405	2.515	0.000	0.000	0.000	0.000	28.920	0.000	0.000	0.000	0.000	0.000	0.000	0.000	28.920

TABLE 4.18: COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS (INCLUDING WASHERIES) DURING 2018-19

Company	(Quantity in Million Tonnes)																Total Despatches	Colliery Own - Consumption	Colliery Staff	Total Offtake
	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				
			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	46.886	0.286	0.305					0.046		0.381		0.002	0.003	0.002	0.015	2.298	50.224	0.184		50.408
BCCL	27.216	0.021	0.356	1.355	0.564				0.921							2.649	33.082	0.018		33.100
CCL	45.372	2.268		2.424		6.769			0.087	0.703		0.005				10.817	68.445	0.001		68.446
NCL	89.083	7.091						0.198		0.199	0.215					4.788	101.574			101.574
WCL	45.086	1.127	0.056		0.041			2.095		0.435		0.022	0.511	0.106		6.071	55.550	0.004		55.554
SECL	125.879	9.996	0.249					2.823	0.728	6.719						4.588	150.982	0.010		150.992
SECL(GP-IV/2&3)	1.322															1.878	3.200			3.200
SECL(GP-IV/1)	0.942															0.897	1.839			1.839
MCL	102.527	23.620						0.221	0.053	3.245	0.664		0.220			11.753	142.303	0.003		142.306
NEC	0.520	0.032						0.078								0.124	0.754			0.754
CIL	484.833	44.441	0.966	3.779	0.605	6.769	0.000	5.461	1.789	11.682	0.879	0.029	0.734	0.108	0.015	45.863	607.953	0.220	0.000	608.173
SCCL	55.389	3.914						3.152		0.222	0.218	0.222	0.903	0.096		3.553	67.669			67.669
JKML																0.016	0.016			0.016
DVC																	0.000			0.000
IISCO				0.443				0.298									0.744			0.744
SAIL																	0.000			0.000
JSMDC	0.150													0.078			0.228			0.228
RRVUNL						15.000											15.000			15.000
NTPC		6.972															6.972			6.972
WBPDC		0.337															0.337			0.337
PUBLIC	540.372	55.664	0.966	4.222	0.605	21.769	0.298	8.613	1.789	11.904	1.097	0.251	1.637	0.204	0.093	49.435	698.919	0.220	0.000	699.139
TSL			5.317	1.244													6.561			6.561
CESC	0.936					1.012											1.948			1.948
HIL		2.310															2.310			2.310
SPL		18.001															18.001			18.001
GMR																	0.000			0.000
BALCO		0.563															0.563			0.563
SIL		0.082								0.188							0.270			0.270
JPVL	2.799																2.799			2.799
RCCPL								0.103									0.103			0.103
TUML		0.160				0.142											0.302			0.302
OCL			0.161														0.161			0.161
AMBUJA								0.100									0.100			0.100
TSPGCL	0.757																0.757			0.757
PRIVATE	4.492	21.116	5.478	1.244	0.000	1.154	0.000	0.203	0.000	0.188	0.000	0.000	0.000	0.000	0.000	0.000	33.875	0.000	0.000	33.875
GRAND TOTAL	544.864	76.780	6.444	5.466	0.605	22.923	0.298	8.816	1.789	12.092	1.097	0.251	1.637	0.204	0.093	49.435	732.794	0.220	0.000	733.014

TABLE 4.19 : COMPANYWISE OFF-TAKE OF LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2018-19

(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		3.313															3.313			3.313
GMDCL		3.899						0.286	0.001	0.048		0.324	0.463	2.557	0.623	0.959	9.160			9.160
GHCL		0.082															0.082			0.082
NLCL	22.790	1.366					0.094	1.212			0.004	0.004	0.139		0.011	0.099	25.719			25.719
RSMMML	0.058							0.305			0.186			0.057	0.711		1.317			1.317
VSLPPL		0.303															0.303			0.303
BLMCL		5.917															5.917			5.917
TOTAL	22.848	14.880	0.000	0.000	0.000	0.000	0.094	1.803	0.001	0.048	0.190	0.328	0.602	2.614	0.634	1.769	45.811	0.000	0.000	45.811

TABLE 4.20 : COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS DURING 2018-19

(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	46.886	0.286	0.305			0.046		0.381		0.002	0.003	0.002	0.015	2.298	50.224	0.184		50.408
BCCL	27.216	0.021	0.356	1.919			0.921							2.649	33.082	0.018		33.100
CCL	52.141	2.268		2.424			0.087	0.703		0.005				10.817	68.445	0.001		68.446
NCL	89.083	7.091		0.000		0.198		0.199	0.215					4.788	101.574			101.574
WCL	45.086	1.127	0.056	0.041		2.095		0.435		0.022	0.511	0.106		6.071	55.550	0.004		55.554
SECL	125.879	9.996	0.249			2.823	0.728	6.719						4.588	150.982	0.010		150.992
SECL(GP-IV/2&3)	1.322													1.878	3.200			3.200
SECL(GP-IV/1)	0.942													0.897	1.839			1.839
MCL	102.527	23.620				0.221	0.053	3.245	0.664		0.220			11.753	142.303	0.003		142.306
NEC	0.520	0.032				0.078								0.124	0.754			0.754
CIL	491.602	44.441	0.966	4.384	0.000	5.461	1.789	11.682	0.879	0.029	0.734	0.108	0.015	45.863	607.953	0.220	0.000	608.173
SCCL	55.389	3.914				3.152		0.222	0.218	0.222	0.903	0.096		3.553	67.669			67.669
JKML														0.016	0.016			0.016
DVC															0.000			0.000
IISCO				0.443	0.298									0.003	0.744			0.744
SAIL															0.000			0.000
JSMDCCL	0.150												0.078		0.228			0.228
RRVUNL	15.000														15.000			15.000
NTPC		6.972													6.972			6.972
WBPDCL		0.337													0.337			0.337
PUBLIC	562.141	55.664	0.966	4.827	0.298	8.613	1.789	11.904	1.097	0.251	1.637	0.204	0.093	49.435	698.919	0.220	0.000	699.139
TSL			5.317	1.244											6.561			6.561
CESC	1.948														1.948			1.948
HIL		2.310													2.310			2.310
SPL		18.001													18.001			18.001
GMR															0.000			0.000
BALCO		0.563													0.563			0.563
SIL		0.082						0.188							0.270			0.270
JPVL	2.799														2.799			2.799
RCCPL						0.103									0.103			0.103
TUML		0.160						0.142							0.302			0.302
OCL			0.161												0.161			0.161
AMBUJA						0.100									0.100			0.100
TSPGCL	0.757														0.757			0.757
PRIVATE	5.504	21.116	5.478	1.244	0.000	0.203	0.000	0.330	0.000	0.000	0.000	0.000	0.000	0.000	33.875	0.000	0.000	33.875
GRAND TOTAL	567.645	76.780	6.444	6.071	0.298	8.816	1.789	12.234	1.097	0.251	1.637	0.204	0.093	49.435	732.794	0.220	0.000	733.014

TABLE 4.21 : GRADE WISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS (INCLUDING WASHERIES) DURING 2018-19

(Quantity in Million Tonnes)

Grade	Sectors																			
	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	Cokerias															
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Steel-I			0.117														0.117	0.009		0.126
Steel-II																0.179	0.179			0.179
SC-1			0.253														0.253			0.253
Wash-I	0.042																0.042			0.042
Wash-II	2.508		0.320	0.129													2.957			2.957
Wash-III	5.053		0.156	2.574											1.082		8.865			8.865
Wash-IV	19.224	0.018	5.136	2.763	0.605				0.518							2.641	30.905	0.009		30.914
Mg Feed																	0.000			0.000
SLV1																	0.000			0.000
Total Coking	26.827	0.018	5.982	5.466	0.605	0.000	0.000	0.000	0.518	0.000	0.000	0.000	0.000	0.000	0.000	3.902	43.318	0.018	0.000	43.336
G1	0.090	0.009															0.099			0.099
G2	0.244	0.023						0.075								0.088	0.430			0.430
G3	1.548	0.205	0.015					0.525	0.016	0.196		0.001	0.002		0.002	0.822	3.332	0.026		3.358
G4	12.706	0.289	0.170			0.153	0.075	0.416		0.001	0.001			0.001	0.890	14.702	0.127		14.829	
G5	9.492	0.317	0.085				0.649	0.622	0.044	0.008			0.001	0.006	0.502	11.726	0.031		11.757	
G6	5.549	1.098	0.031			0.145	0.126	0.114	0.824		0.013	0.039			0.863	8.802			8.802	
G7	36.734	0.903	0.161				0.849	0.159	0.553	0.087	0.135	0.289	0.011	0.006	2.807	42.694	0.005		42.699	
G8	43.940	5.513					2.475	0.448	0.689		0.028	0.181	0.019		3.378	56.671	0.001		56.672	
G9	27.665	0.780					0.518	0.363	0.318	0.001	0.010	0.096	0.023		1.356	31.130	0.001		31.131	
G10	66.883	23.010				6.769	1.481	0.036	1.321	0.215		0.170	0.017		6.079	105.981	0.001		105.982	
G11	145.103	8.395				14.184	1.397		3.595			0.097	0.043		6.040	178.854	0.010		178.864	
G12	53.542	6.437				0.142	0.418	0.063	1.230	0.185		0.217	0.057	0.078	6.747	69.116			69.116	
G13	75.818	13.330					0.130	0.064	1.262	0.176	0.049	0.673	0.033		7.993	99.528			99.528	
G14	37.089	9.247					0.089	0.006	1.022	0.353	0.005	0.023			2.816	50.650			50.650	
G15	5.417	0.536					0.009	0.002	0.035		0.001	0.016			0.767	6.783			6.783	
G16	1.515	0.003													1.565	3.083			3.083	
G17	0.629	0.066				1.828									0.833	3.356			3.356	
Mg Feed																	0.000			0.000
Ungrade	0.625	0.049							0.009	0.036					1.820	2.539				2.539
Total Non	524.589	70.210	0.462	0.000	0.000	22.923	0.298	8.816	1.271	12.092	1.097	0.251	1.804	0.204	0.093	45.366	689.476	0.202	0.000	689.678
All India	551.416	70.228	6.444	5.466	0.605	22.923	0.298	8.816	1.789	12.092	1.097	0.251	1.804	0.204	0.093	49.268	732.794	0.220	0.000	733.014

TABLE-4.22 : SECTORWISE OFFTAKE OF COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION - COMPANYWISE IN 2018-19

(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	RCE			0.004											0.022	0.026			0.026
ECL	TOT			0.004											0.022	0.026			0.026
BCCL	RCE	20.561	0.018	0.356	0.564			0.518							2.354	24.371			24.371
BCCL	WC			0.607												0.607			0.607
BCCL	MID	0.055	0.747													0.802			0.802
BCCL	TOT	20.616	0.765	0.963	0.564	0.000	0.000	0.518	0.000	0.000	0.000	0.000	0.000	0.000	2.354	25.780	0.000	0.000	25.780
CCL	RCE	6.287			0.000										1.406	7.693			7.693
CCL	WC				0.807											0.807			0.807
CCL	MID	0.464	0.692		0.000											1.156			1.156
CCL	TOT	6.751	0.692	0.000	0.807	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.406	9.656	0.000	0.000	9.656
WCL	RCE			0.056	0.041										0.099	0.196			0.196
WCL	TOT			0.056	0.041	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.099	0.196			0.196
SECL	RCE			0.249	0.000											0.249			0.249
SECL	TOT			0.249	0.000											0.249			0.249
CIL	RCE	26.848	0.018	0.665	0.605	0.000	0.000	0.518	0.000	0.000	0.000	0.000	0.000	0.000	3.881	32.535	0.000	0.000	32.535
CIL	WC	0.000	0.000	0.607	0.807	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.414	0.000	0.000	1.414
CIL	MID	0.519	1.439	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.958	0.000	0.000	1.958
CIL	TOT	27.367	1.457	1.272	1.412	0.000	0.000	0.518	0.000	0.000	0.000	0.000	0.000	0.000	3.881	35.907	0.000	0.000	35.907
IISCO	WC				0.401											0.401			0.401
IISCO	MID					0.555									0.001	0.556			0.556
IISCO	TOT	0.000	0.000	0.000	0.493	0.555	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	1.049	0.000	0.000	1.049
PUBLIC	RCE	26.848	0.018	0.665	0.605	0.000	0.000	0.518	0.000	0.000	0.000	0.000	0.000	0.000	3.881	32.535	0.000	0.000	32.535
PUBLIC	WC	0.000	0.000	0.607	1.208	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.815	0.000	0.000	1.815
PUBLIC	MID	0.519	1.439	0.000	0.000	0.555	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	2.514	0.000	0.000	2.514
PUBLIC	TOT	27.367	1.457	1.272	1.905	0.555	0.000	0.518	0.000	0.000	0.000	0.000	0.000	0.000	3.882	36.956	0.000	0.000	36.956
TSL	WC				3.736											3.736			3.736
TSL	MID	0.743	0.592		0.007											1.342			1.342
TSL	TOT	0.743	0.592	0.000	3.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.078	0.000	0.000	5.078
PRIVATE	RCE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PRIVATE	WC	0.000	0.000	0.000	3.736	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.736	0.000	0.000	3.736
PRIVATE	MID	0.743	0.592	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.342	0.000	0.000	1.342
PRIVATE	TOT	0.743	0.592	0.000	3.743	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.078	0.000	0.000	5.078
GRAND TOTAL	RCE	26.848	0.018	0.665	0.605	0.000	0.000	0.518	0.000	0.000	0.000	0.000	0.000	0.000	3.881	32.535	0.000	0.000	32.535
GRAND TOTAL	WC	0.000	0.000	0.607	4.944	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.551	0.000	0.000	5.551
GRAND TOTAL	MID	1.262	2.031	0.000	0.007	0.555	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	3.856	0.000	0.000	3.856
GRAND TOTAL	TOT	28.110	2.049	1.272	5.648	0.555	0.000	0.518	0.000	0.000	0.000	0.000	0.000	0.000	3.882	42.034	0.000	0.000	42.034

TABLE-4.23: SECTORWISE OFFTAKE OF NON-COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION-COMPANYWISE IN 2018-19

(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	RCE	46.886	0.286	0.301			0.046		0.381		0.002	0.003	0.002	0.015	2.276	50.198	0.184		50.382
ECL	TOT	46.886	0.286	0.301	0.000	0.000	0.046	0.000	0.381	0.000	0.002	0.003	0.002	0.015	2.276	50.198	0.184	0.000	50.382
BCCL	RCE	6.655	0.003					0.403							0.023	7.084			7.084
BCCL	TOT	6.655	0.003	0.000	0.000	0.000	0.000	0.403	0.000	0.000	0.000	0.000	0.000	0.000	0.023	7.084	0.000	0.000	7.084
CCL	RCE	39.085	2.268					0.087	0.703		0.005				9.411	51.559			51.559
CCL	WC	6.539	0.098													6.637			6.637
CCL	TOT	45.624	2.366	0.000	0.000	0.000	0.000	0.087	0.703	0.000	0.005	0.000	0.000	0.000	9.411	58.196	0.000	0.000	58.196
NCL	RCE	89.083	7.091				0.198		0.199	0.215					4.788	101.574			101.574
NCL	TOT	89.083	7.091	0.000	0.000	0.000	0.198	0.000	0.199	0.215	0.000	0.000	0.000	0.000	4.788	101.574	0.000	0.000	101.574
WCL	RCE	45.086	1.127				2.095		0.435		0.022	0.511	0.106		5.972	55.354			55.354
WCL	TOT	45.086	1.127	0.000	0.000	0.000	2.095	0.000	0.435	0.000	0.022	0.511	0.106	0.000	5.972	55.354	0.000	0.000	55.354
SECL	RCE	125.879	9.996				2.823	0.728	6.719						4.588	150.733	0.010		150.743
SECL	TOT	125.879	9.996	0.000	0.000	0.000	2.823	0.728	6.719	0.000	0.000	0.000	0.000	0.000	4.588	150.733	0.010	0.000	150.743
SECL(GP-IV/2&3)	RCE	1.322													1.878	3.200			3.200
SECL(GP-IV/2&3)	TOT	1.322	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.878	3.200	0.000	0.000	3.200
SECL(GP-IV/1)	RCE	0.942													0.897	1.839			1.839
SECL(GP-IV/1)	TOT	0.942	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.897	1.839	0.000	0.000	1.839
MCL	RCE	102.527	23.620				0.221	0.053	3.245	0.664		0.220			11.753	142.303	0.003		142.306
MCL	TOT	102.527	23.620				0.221	0.053	3.245	0.664		0.220			11.753	142.303	0.003		142.306
NEC	RCE	0.520	0.032				0.078								0.124	0.754			0.754
NEC	TOT	0.520	0.032	0.000	0.000	0.000	0.078	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.124	0.754	0.000	0.000	0.754
CIL	RCE	457.985	44.423	0.301	0.000	0.000	5.461	1.271	11.682	0.879	0.029	0.734	0.108	0.015	41.710	564.598	0.197	0.000	564.795
CIL	WC	6.539	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		6.637	0.000	0.000	6.637
CIL	TOT	464.524	44.521	0.301	0.000	0.000	5.461	1.271	11.682	0.879	0.029	0.734	0.108	0.015	41.710	571.235	0.197	0.000	571.432
SCCL	RCE	55.389	3.914				3.152		0.222	0.218	0.222	0.903	0.096		3.553	67.669			67.669
SCCL	TOT	55.389	3.914	0.000	0.000	0.000	3.152	0.000	0.222	0.218	0.222	0.903	0.096	0.000	3.553	67.669	0.000	0.000	67.669
JKML	RCE														0.016	0.016			0.016
JKML	TOT	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	0.016	0.016	0.000	0.000	0.016
IISCO	RCE					0.051									0.003	0.054			0.054
IISCO	TOT	0.000	0.000	0.000	0.000	0.051	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.054	0.000	0.000	0.054
JSMDC	RCE	0.150													0.078	0.228			0.228
JSMDC	TOT	0.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.078	0.228	0.000	0.000	0.000	0.228
RRVUNL	WC		12.113													12.113			12.113
RRVUNL	TOT	0.000	12.113	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		12.113	0.000	0.000	12.113
NTPC	RCE		6.972													6.972			6.972
NTPC	TOT	0.000	6.972	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		6.972	0.000	0.000	6.972
WBPDC	RCE		0.337													0.337			0.337
WBPDC	TOT	0.000	0.337	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.337	0.000	0.000	0.337
PUBLIC	RCE	513.524	55.646	0.301	0.000	0.051	8.613	1.271	11.904	1.097	0.251	1.637	0.204	0.093	45.282	639.874	0.197	0.000	640.071
PUBLIC	WC	6.539	12.211	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		18.750	0.000	0.000	18.750
PUBLIC	TOT	520.063	67.857	0.301	0.000	0.051	8.613	1.271	11.904	1.097	0.251	1.637	0.204	0.093	45.282	658.624	0.197	0.000	658.821
CESC	WC	0.763														0.763			0.763
CESC	TOT	0.763	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.763	0.000	0.000	0.763
HIL	RCE		2.310													2.310			2.310
HIL	TOT	0.000	2.310	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		2.310	0.000	0.000	2.310
SPL	RCE		18.001													18.001			18.001
SPL	TOT	0.000	18.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		18.001	0.000	0.000	18.001
BALCO	RCE		0.563													0.563			0.563
BALCO	TOT	0.000	0.563	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.563	0.000	0.000	0.563
SIL	RCE		0.082						0.188							0.270			0.270
SIL	TOT	0.000	0.082	0.000	0.000	0.000	0.000	0.000	0.188	0.000	0.000	0.000	0.000	0.000		0.270	0.000	0.000	0.270
JPVL	RCE		2.799													2.799			2.799
JPVL	TOT	2.799	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		2.799	0.000	0.000	2.799
RCCPL	RCE						0.103									0.103			0.103
RCCPL	TOT	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		0.103	0.000	0.000	0.103
TUML	RCE		0.160						0.142							0.302			0.302
TUML	TOT	0.000	0.160	0.000	0.000	0.000	0.000	0.000	0.142	0.000	0.000	0.000	0.000	0.000		0.302	0.000	0.000	0.302
OCL	RCE															0.161			0.161
OCL	TOT	0.000	0.000	0.161	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.161	0.000	0.000	0.161
AMBUJA	RCE						0.100									0.100			0.100
AMBUJA	TOT	0.000	0.000	0.000	0.000	0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.100	0.000	0.000	0.100
TSPGCL	RCE		0.757													0.757			0.757
TSPGCL	TOT	0.757	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.757	0.000	0.000	0.757
PRIVATE	RCE	3.556	21.116	0.161	0.000	0.000	0.203	0.000	0.330	0.000	0.000	0.000	0.000	0.000		25.366	0.000	0.000	25.366
PRIVATE	WC	0.763	0.000	0.000	0.000	0													

TABLE-4.24: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDLINGS FOR FINAL CONSUMPTION TO DIFFERENT STATES: 2018-19
(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)	32.156	2.199				0.383		0.062	0.052	0.096	0.181			0.693	35.822			35.822
Andhra Pradesh	Washed Coal	0.027													0.336	0.363			0.363
Andhra Pradesh	Tot Coal (FC)	32.183	2.199	0.000	0.000	0.000	0.383	0.000	0.062	0.052	0.096	0.181	0.000	0.000	1.029	36.185	0.000	0.000	36.185
Assam	Raw Coal (FC)	1.467	0.010				0.032								0.092	1.601			1.601
Assam	Washed Coal	0.007														0.007			0.007
Assam	Tot Coal (FC)	1.474	0.010	0.000	0.000	0.000	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092	1.608	0.000	0.000	1.608
Bihar	Raw Coal (FC)	18.337													0.579	18.916			18.916
Bihar	Washed Coal	0.112														0.112			0.112
Bihar	Middlings	0.005														0.005			0.005
Bihar	Tot Coal (FC)	18.454	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.579	19.033	0.000	0.000	19.033
Chhattisgarh	Raw Coal (FC)	67.847	8.703	0.205			1.875		6.420	0.003		0.018			3.821	88.892	0.005		88.897
Chhattisgarh	Washed Coal				0.022										0.167	0.189			0.189
Chhattisgarh	Middlings					0.018										0.018			0.018
Chhattisgarh	Tot Coal (FC)	67.847	8.703	0.205	0.022	0.018	1.875	0.000	6.420	0.003	0.000	0.018	0.000	0.000	3.988	89.099	0.005	0.000	89.104
Delhi	Raw Coal (FC)	0.468													0.001	0.469			0.469
Delhi	Washed Coal	0.330														0.330			0.330
Delhi	Middlings	0.055														0.055			0.055
Delhi	Tot Coal (FC)	0.853	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.854	0.000	0.000	0.854
Gujarat	Raw Coal (FC)	20.200	0.470					0.478				0.040	0.026		0.256	21.470			21.470
Gujarat	Tot Coal (FC)	20.200	0.470	0.000	0.000	0.000	0.000	0.478	0.000	0.000	0.000	0.040	0.026	0.000	0.256	21.470	0.000	0.000	21.470
Haryana	Raw Coal (FC)	17.147						0.364							0.076	17.587			17.587
Haryana	Washed Coal	0.516														0.516			0.516
Haryana	Middlings	0.008														0.008			0.008
Haryana	Tot Coal (FC)	17.671	0.000	0.000	0.000	0.000	0.000	0.364	0.000	0.000	0.000	0.000	0.000	0.000	0.076	18.111	0.000	0.000	18.111
Himachal Pradesh	Raw Coal (FC)						0.022									0.022			0.022
Himachal Pradesh	Tot Coal (FC)	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000	0.022
J & K	Raw Coal (FC)						0.011								0.024	0.035			0.035
J & K	Tot Coal (FC)	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.035	0.000	0.000	0.035
Jharkhand	Raw Coal (FC)	25.529	7.385	0.219		0.248	0.010		0.431					0.081	10.115	44.018	0.019		44.037
Jharkhand	Washed Coal	0.872			1.657										0.237	2.766			2.766
Jharkhand	Middlings	0.902	1.108			0.338									0.470	2.818			2.818
Jharkhand	Tot Coal (FC)	27.303	8.493	0.219	1.657	0.586	0.010	0.000	0.431	0.000	0.000	0.000	0.000	0.081	10.822	49.602	0.019	0.000	49.621
Kerala	Raw Coal (FC)						0.040									0.040			0.040
Kerala	Tot Coal (FC)	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	0.000	0.000	0.040
Karnataka	Raw Coal (FC)	12.256	1.357				0.940		0.023		0.004	0.034	0.074		0.060	14.748			14.748
Karnataka	Tot Coal (FC)	12.256	1.357	0.000	0.000	0.000	0.940	0.000	0.023	0.000	0.004	0.034	0.074	0.000	0.060	14.748	0.000	0.000	14.748
Maharashtra	Raw Coal (FC)	65.169	0.670				2.061		0.620			0.436	0.080		4.795	73.831	0.003		73.834
Maharashtra	Washed Coal	0.106														0.106			0.106
Maharashtra	Tot Coal (FC)	65.275	0.670	0.000	0.000	0.000	2.061	0.000	0.620	0.000	0.000	0.436	0.080	0.000	4.795	73.937	0.003	0.000	73.940
Meghalaya	Raw Coal (FC)		0.022				0.046								0.019	0.087			0.087
Meghalaya	Tot Coal (FC)	0.000	0.022	0.000	0.000	0.000	0.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.087	0.000	0.000	0.087
Madhya Pradesh	Raw Coal (FC)	56.377	21.731		0.041		1.063		0.064		0.022	0.150			3.725	83.173	0.006		83.179
Madhya Pradesh	Middlings	0.037														0.037			0.037
Madhya Pradesh	Tot Coal (FC)	56.414	21.731	0.000	0.041	0.000	1.063	0.000	0.064	0.000	0.022	0.150	0.000	0.000	3.725	83.210	0.006	0.000	83.216
Odisha	Raw Coal (FC)	31.013	23.993	0.243			0.221	0.053	3.425	0.714		0.117			13.817	73.596	0.003		73.599
Odisha	Washed Coal				0.677										0.077	0.754			0.754

Contd.....

TABLE-4.24: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDINGS FOR FINAL CONSUMPTION TO DIFFERENT STATES: 2018-19
(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)
Odisha	Middlings		0.034			0.030									0.081	0.145			0.145
Odisha	Tot Coal (FC)	31.013	24.027	0.243	0.677	0.030	0.221	0.053	3.425	0.714	0.000	0.117	0.000	0.000	13.975	74.495	0.003	0.000	74.498
Panjab	Raw Coal (FC)	16.710	0.051					0.557							0.098	17.416			17.416
Panjab	Tot Coal (FC)	16.710	0.051	0.000	0.000	0.000	0.000	0.557	0.000	0.000	0.000	0.000	0.000	0.000	0.098	17.416	0.000	0.000	17.416
Rajasthan	Raw Coal (FC)	13.383	0.474				0.165	0.250	0.004						0.277	14.553			14.553
Rajasthan	Washed Coal		12.113													12.113			12.113
Rajasthan	Tot Coal (FC)	13.383	12.587	0.000	0.000	0.000	0.165	0.250	0.004	0.000	0.000	0.000	0.000	0.000	0.277	26.666	0.000	0.000	26.666
Tamilnadu	Raw Coal (FC)	24.167	0.357				0.096					0.012			0.026	24.658			24.658
Tamilnadu	Tot Coal (FC)	24.167	0.357	0.000	0.000	0.000	0.096	0.000	0.000	0.000	0.000	0.012	0.000	0.000	0.026	24.658	0.000	0.000	24.658
Telangana	Raw Coal (FC)	31.867	1.677				1.707		0.192	0.113	0.124	0.783	0.022		2.237	38.722			38.722
Telangana	Tot Coal (FC)	31.867	1.677	0.000	0.000	0.000	1.707	0.000	0.192	0.113	0.124	0.783	0.022	0.000	2.237	38.722	0.000	0.000	38.722
Uttar Pradesh	Raw Coal (FC)	71.776	4.967				0.141	0.087	0.239	0.215					2.228	79.653			79.653
Uttar Pradesh	Washed Coal		4.440													4.440			4.440
Uttar Pradesh	Middlings		0.241													0.241			0.241
Uttar Pradesh	Tot Coal (FC)	76.457	4.967	0.000	0.000	0.000	0.141	0.087	0.239	0.215	0.000	0.000	0.000	0.000	2.228	84.334	0.000	0.000	84.334
Uttaranchal	Raw Coal (FC)														3.042	3.042			3.042
Uttaranchal	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	3.042	3.042	0.000	0.000	3.042
West Bengal	Raw Coal (FC)	49.133	0.446	0.299			0.003		0.773		0.002	0.033	0.002	0.012	2.023	52.726	0.184		52.910
West Bengal	Washed Coal	0.896			0.614										0.084	1.594			1.594
West Bengal	Middlings	0.014	0.197			0.170									0.141	0.522			0.522
West Bengal	Tot Coal (FC)	50.043	0.643	0.299	0.614	0.170	0.003	0.000	0.773	0.000	0.002	0.033	0.002	0.012	2.248	54.842	0.184	0.000	55.026
Others	Raw Coal (FC)					0.050									3.602	3.652			3.652
Others	Middlings														0.007	0.007			0.007
Others	Tot Coal (FC)	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.609	3.659	0.000	0.000	3.659
ALL India	Raw Coal (FC)	555.002	74.512	0.966	0.041	0.298	8.816	1.789	12.253	1.097	0.248	1.804	0.204	0.093	51.606	708.729	0.220	0.000	708.949
ALL India	Washed Coal	7.306	12.113	0.000	2.970	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.901	23.290	0.000	0.000	23.290
ALL India	Middlings	1.262	1.339	0.000	0.000	0.556	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.699	3.856	0.000	0.000	3.856
ALL India	Tot Coal (FC)	563.570	87.964	0.966	3.011	0.854	8.816	1.789	12.253	1.097	0.248	1.804	0.204	0.093	53.206	735.875	0.220	0.000	736.095

LIGNITE :

Gujarat	Lignite		7.294				0.286	0.001	0.048		0.324	0.463	2.557	0.623	0.959	12.555			12.555
Panjab	Lignite	0.058					0.305			0.186			0.057		0.711	1.317			1.317
Rajasthan	Lignite	1.208	6.220													7.428			7.428
Tamilnadu	Lignite	21.582	1.366			0.094	1.212			0.004	0.004	0.139		0.011	0.099	24.511			24.511
ALL India	Lignite	22.848	14.880	0.000	0.000	0.094	1.803	0.001	0.048	0.190	0.328	0.602	2.614	0.634	1.769	45.811	0.000	0.000	45.811

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)
2009-10	46.820	484.04	530.860	466.85	0.762	467.607	63.175	0.497	48.002	48.499	46.947	0.000	46.947	1.688	47.317	532.042	579.359	513.792	0.762	514.554	64.863
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

TABLE 4.26 : AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL FROM CAPTIVE AND NON-CAPTIVE MINES DURING LAST TEN YEARS

(Quantity in Million Tonnes)

YEAR	CAPTIVE							NON-CAPTIVE							ALL INDIA						
	AVAILABILITY			OFF-TAKE			Closing Stock	AVAILABILITY			OFF-TAKE			Closing Stock	AVAILABILITY			OFF-TAKE			Closing Stock
	Op.St.	Prdn.	Total	Desp.	Coll. Con	Total		Op.St.	Prdn.	Total	Desp.	Coll. Con	Total		Op.St.	Prdn.	Total	Desp.	Coll. Con	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
2009-10	0.590	35.460	36.050	34.344	0.000	34.344	1.732	46.727	496.582	543.309	479.448	0.762	480.210	63.131	47.317	532.04	579.359	513.792	0.762	514.554	64.863
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

TABLE 4.27: AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2017-18 & 2018-19

Company	2017-18							2018-19						
	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	68.575	567.366	635.941	580.010	0.243	580.253	55.630	55.630	606.887	662.517	607.953	0.220	608.173	54.291
SCCL	6.544	62.010	68.554	64.623		64.623	4.921	4.921	64.401	69.322	67.669		67.669	1.609
JKML	0.012	0.014	0.026	0.021		0.021	0.005	0.005	0.013	0.018	0.016		0.016	0.003
JSMDCCL	0.000	0.351	0.351	0.351		0.351	0.000	0.000	0.228	0.228	0.228		0.228	0.000
DVC	0.013	0.047	0.060	0.000		0.000	0.060	0.060	0.000	0.060	0.000		0.000	0.060
IISCO	0.007	0.793	0.800	0.789		0.789	0.007	0.007	0.743	0.750	0.744		0.744	0.004
SAIL	0.000	0.185	0.185	0.000		0.000	0.185	0.185	0.000	0.185	0.000		0.000	0.185
RRVUNL	0.000	8.329	8.329	8.329		8.329	0.000	0.000	15.000	15.000	15.000		15.000	0.000
NTPC	0.127	2.679	2.806	2.583		2.583	0.223	0.223	7.311	7.534	6.972		6.972	0.561
WBPDCL			0.000			0.000			0.400	0.400	0.337		0.337	0.063
PUBLIC	75.278	641.774	717.052	656.706	0.243	656.949	61.031	61.031	694.983	756.014	698.919	0.220	699.139	56.776
TSL	0.011	6.224	6.235	6.213		6.213	0.024	0.024	6.546	6.570	6.561		6.561	0.009
Meghalaya	0.000	1.529	1.529	1.529		1.529	0.000							0.000
SPL	0.222	18.003	18.225	17.961		17.961	0.264	0.264	18.000	18.264	18.001		18.001	0.264
CESC	0.125	1.878	2.003	1.764		1.764	0.240	0.240	1.856	2.096	1.948		1.948	0.148
HIL	0.291	2.414	2.705	2.247		2.247	0.457	0.457	2.173	2.630	2.310		2.310	0.319
GMR	0.006	0.270	0.276	0.276		0.276	0.000	0.000	0.000	0.000	0.000		0.000	0.000
BALCO	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.667	0.667	0.563		0.563	0.103
SIL	0.008	0.270	0.278	0.262		0.262	0.017	0.017	0.270	0.287	0.270		0.270	0.017
JPVL	0.001	2.800	2.801	2.800		2.800	0.001	0.001	2.800	2.801	2.799		2.799	0.001
RCCPL	0.010	0.063	0.073	0.072		0.072	0.000	0.000	0.103	0.103	0.103		0.103	0.001
TUML		0.175	0.175	0.173		0.173	0.002	0.002	0.300	0.302	0.302		0.302	0.000
OCL			0.000			0.000		0.000	0.161	0.161	0.161		0.161	0.000
AMBUJA			0.000			0.000		0.000	0.100	0.100	0.100		0.100	0.000
TSPGCL			0.000			0.000		0.000	0.759	0.759	0.757		0.757	0.002
PRIVATE	0.674	33.626	34.300	33.297	0.000	33.297	1.005	1.005	33.735	34.740	33.875	0.000	33.875	0.864
INDIA	75.952	675.400	751.352	690.003	0.243	690.246	62.036	62.036	728.718	790.754	732.794	0.220	733.014	57.640

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	2014-15	3.456										3.456
GMDCL	2014-15	3.126		0.318	0.005	2.841		0.557	0.658	0.326	0.882	8.713
GHCL	2014-15	0.193										0.193
NLCL	2014-15	24.494	0.023	0.755		0.001		0.093	0.013	0.007	0.055	25.441
RSMML	2014-15	0.458		0.201	0.041	0.045					0.660	1.405
VSLPPL	2014-15	0.823										0.823
BLMCL	2014-15	6.923										6.923
TOTAL	2014-15	39.473	0.023	1.274	0.046	2.887	0.000	0.650	0.671	0.333	1.597	46.954
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

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

(Quantity in Million Tonnes)

Block	Company	State	2016-17			2017-18			2018-19		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
SECL(GP-IV/2&3)	SECL	Chhattisgarh		3.464	3.464		4.053	4.053		3.200	3.200
SECL(GP-IV/1)	SECL	Chhattisgarh		0.654	0.654		1.301	1.301		1.839	1.839
Parsa East & Kanta Basan	RRVUNL	Chhattisgarh		8.267	8.267		8.329	8.329		15.000	15.000
Pakri Barwadih	NTPC	Jharkhand		0.100	0.100		2.583	2.583		6.797	6.797
Dulanga	NTPC	Jharkhand			0.000			0.000		0.175	0.175
Tasra	SAIL/IISCO	Jharkhand			0.000			0.000			0.000
Barjora	WBPDCCL	West Bengal			0.000			0.000		0.337	0.337
Total Public			0.000	12.485	12.485	0.000	16.266	16.266	0.000	27.348	27.348
Amelia North	JPVL	Madhya Pradesh		2.803	2.803		2.800	2.800		2.799	2.799
Belgaon	SIL	Maharashtra		0.156	0.156		0.262	0.262		0.270	0.270
Chotia II	BALCO	Chhattisgarh		0.221	0.221		0.000	0.000		0.563	0.563
Gare Palma IV/4	HIL	Chhattisgarh		0.859	0.859		0.934	0.934		1.000	1.000
Gare Palma IV/5	HIL	Chhattisgarh		0.906	0.906		0.745	0.745		0.552	0.552
Kathautia	HIL	Chhattisgarh					0.568	0.568		0.758	0.758
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		17.101	17.101		17.961	17.961		18.001	18.001
Sarshatali	CESC	West Bengal		1.620	1.620		1.764	1.764		1.948	1.948
Talabira-I	GMR	Odisha		0.280	0.280		0.276	0.276		0.000	0.000
Sial Ghogri	RCCPL	Madhya Pradesh		0.015	0.015		0.072	0.072		0.103	0.103
Marki Mangli I	TUML	Maharashtra					0.173	0.173		0.302	0.302
Ardhagram	OCL	Odisha								0.161	0.161
Gare Palma IV/8	AMBUJA	Chhattisgarh								0.100	0.100
Tadicherla	TSPGCL	Telangana								0.757	0.757
Total Private			0.000	23.961	23.961	0.000	25.555	25.555	0.000	27.314	27.314
Grand Total			0.000	36.446	36.446	0.000	41.821	41.821	0.000	54.662	54.662

TABLE 4.30 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF RAW COAL & LIGNITE DURING 2017-18 & 2018-19
(Quantity in Million Tonnes)

Availability (within India)	2017-18	2018-19	Supply (within India)	2017-18				2018-19			
				Raw Coal	Lignite	Imported Coal	Total	Raw Coal	Lignite	Imported Coal	Total
(A) Production											
Coking Coal	40.148	41.132									
Non-coking Coal	635.252	687.586									
Lignite	46.644	44.283	Steel & Washery	11.447	0.120	47.004	58.571	12.813	0.094	51.838	64.745
Total	722.044	773.001	Power (Utility+Captive)	585.488	38.839	N.A.	624.327	621.644	37.728	N.A.	659.372
(B) Change of Vendible Stock (Closing - Opening)			Cement	7.708	1.091	N.A.	8.799	8.816	1.803	N.A.	10.619
Coking Coal	-5.113	-1.917	Textile	0.238	2.457		2.695	0.204	2.614		2.818
Non-coking Coal	-8.803	-2.479	Sponge Iron	8.528	0.093		8.621	12.092	0.048		12.140
Lignite	0.327	-1.538	Fertilizer & Chem.	2.160	0.224		2.384	1.789	0.001		1.790
Total Change (Cl - Op)	-13.589	-5.934	Paper	1.510	0.758		2.268	1.637	0.602		2.239
(C) Import			Brick	0.115	0.38		0.495	0.093	0.634		0.727
Coking Coal	47.004	51.838	Others	72.809	2.355	161.245	236.409	73.706	2.287	183.511	259.504
Non-coking Coal	161.245	183.511	Colliery Consmn.	0.243			0.243	0.220			0.220
Total Raw Coal	208.250	235.349	Total Off-take	690.246	46.317	208.250	944.813	733.014	45.811	235.349	1014.174
(D) Export	1.504	1.306	Statistical Difference				-2.434				-1.196
(E) Total Availability	942.379	1012.977	Total Supply				942.379				1012.977

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 opening 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

5

Pit-head Closing Stock



COAL DIRECTORY OF INDIA 2018-19

Section V

Pit Head Closing Stock

5.1 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 on 31-03-2019, Pit head closing stock of coal was 57.640 MT and lignite 5.672 MT. Statement 5.1 shows details of pit head closing stock of raw coal and lignite for 2017-18 and 2018-19. It may be seen that in 2018-19, closing stock of coal decreased over 2017-18 by 7.0 %. While lignite decreased by 21.33%.

Statement 5.1 Pit Head Closing Stock (MT) of Coal and Lignite in India at the end of 2017-18 and 2018-19.		
Types of Fossil Fuel	Year	
	2017-18	2018-19
Coal		
Metallurgical	2.012	3.482
Non-metallurgical	4.040	0.653
Total Coking Coal	6.052	4.135
Non-coking	55.984	53.505
Total Raw Coal	62.036	57.640
Lignite	7.210	5.672

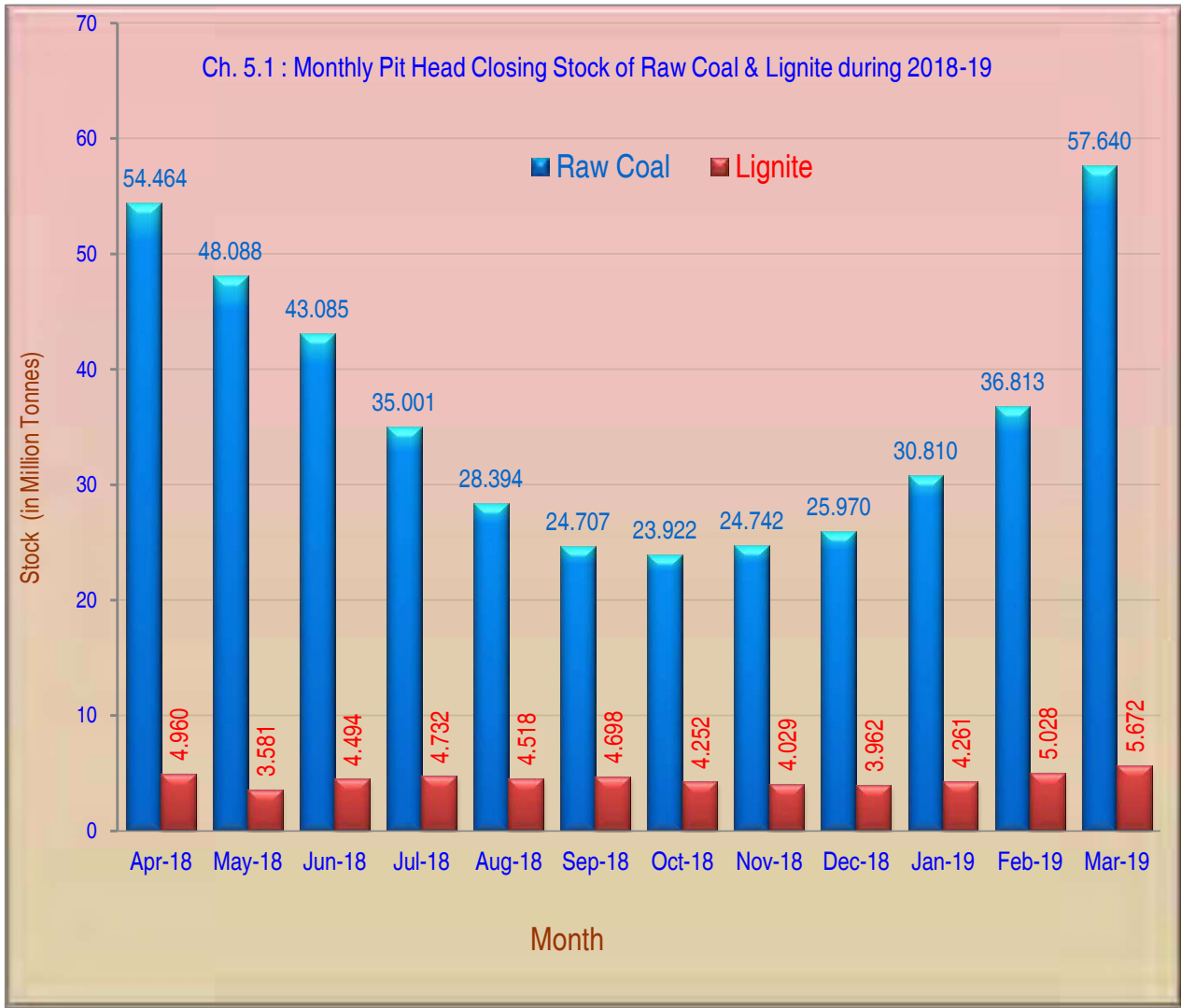
5.2 Statement 5.2 provides trend of closing stock of coal and lignite for the last ten years.

Statement 5.2 Pit Head Closing Stock (MT) of Coal and Lignite in India in last ten years.		
Year	Pit Head Closing Stock (MT)	
	Raw Coal	Lignite
2009-10	64.863	0.565
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	75.952	6.883
2017-18	62.036	7.210
2018-19	57.640	5.672

It may be seen that in case of coal, the pit head closing stock had been increasing from 2007-08 till 2011-12 whereas in 2012-13 and 2013-14 it decreased. Again from 2014-15 it had increasing trend till 2016-17. But in 2017-18 & 2018-19, it decreased again. In case of lignite, it had increasing trend since 2010-11 till 2018-19.

Statement 5.6 shows pit head closing stock of coal by companies for 2017-18 and 2018-19.

Statement 5.6: Company wise Pit Head Closing Stock (MT) of Coal and Lignite in India at the end of 2017-18 and 2018-19		
Company	Year	
	2017-18	2018-19
Coal		
ECL	2.496	2.249
BCCL	5.416	3.416
CCL	13.469	13.745
NCL	3.441	3.370
WCL	11.614	9.240
SECL	7.947	9.265
MCL	11.178	12.906
NEC	0.069	0.100
CIL	55.630	54.291
SCCL	4.921	1.609
Other Public	0.480	0.876
Total Public	61.031	56.776
Private	1.012	0.864
Total	62.043	57.640
Lignite		
NLC	6.784	5.319
GMDCL	0	0
GIPCL	0	0
GHCL	0.014	0.025
RSMML	0	0
VSLPL	0.062	0.050
BLMCL	0.350	0.278
Total	7.210	5.672



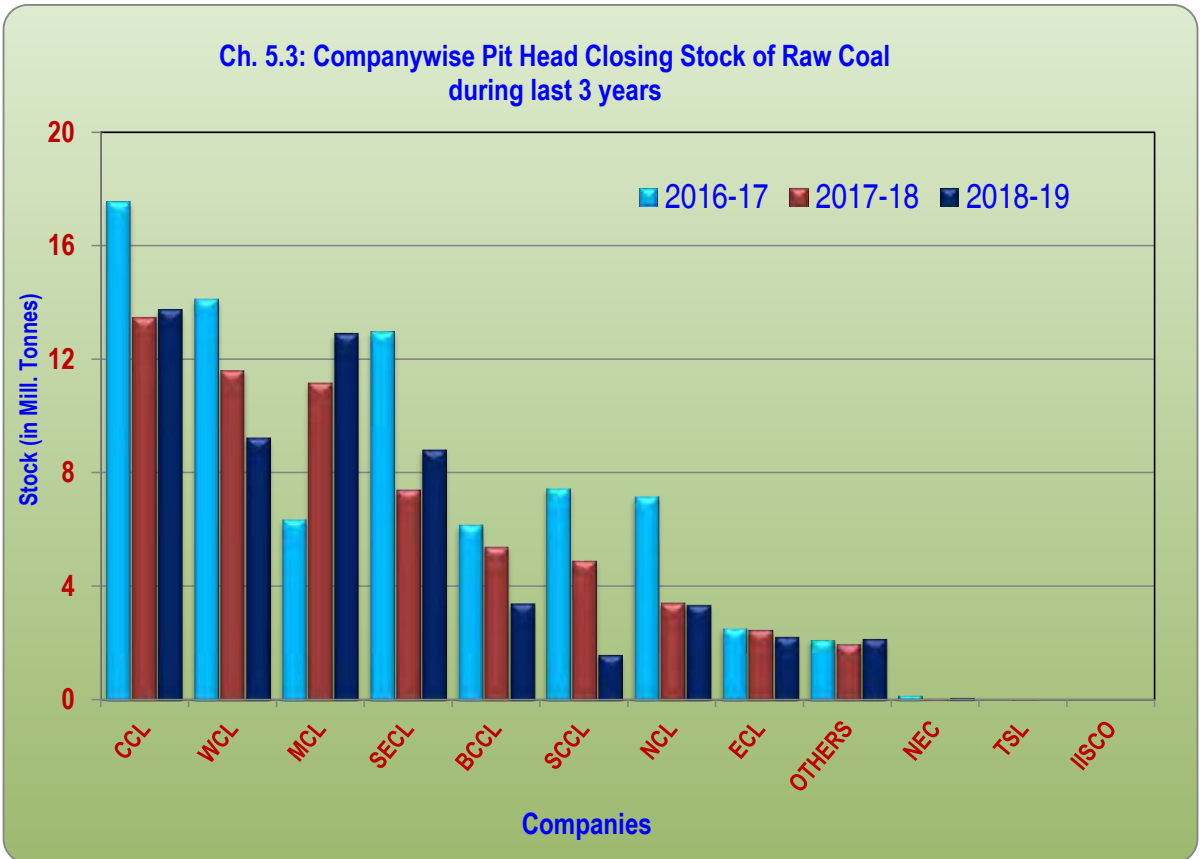
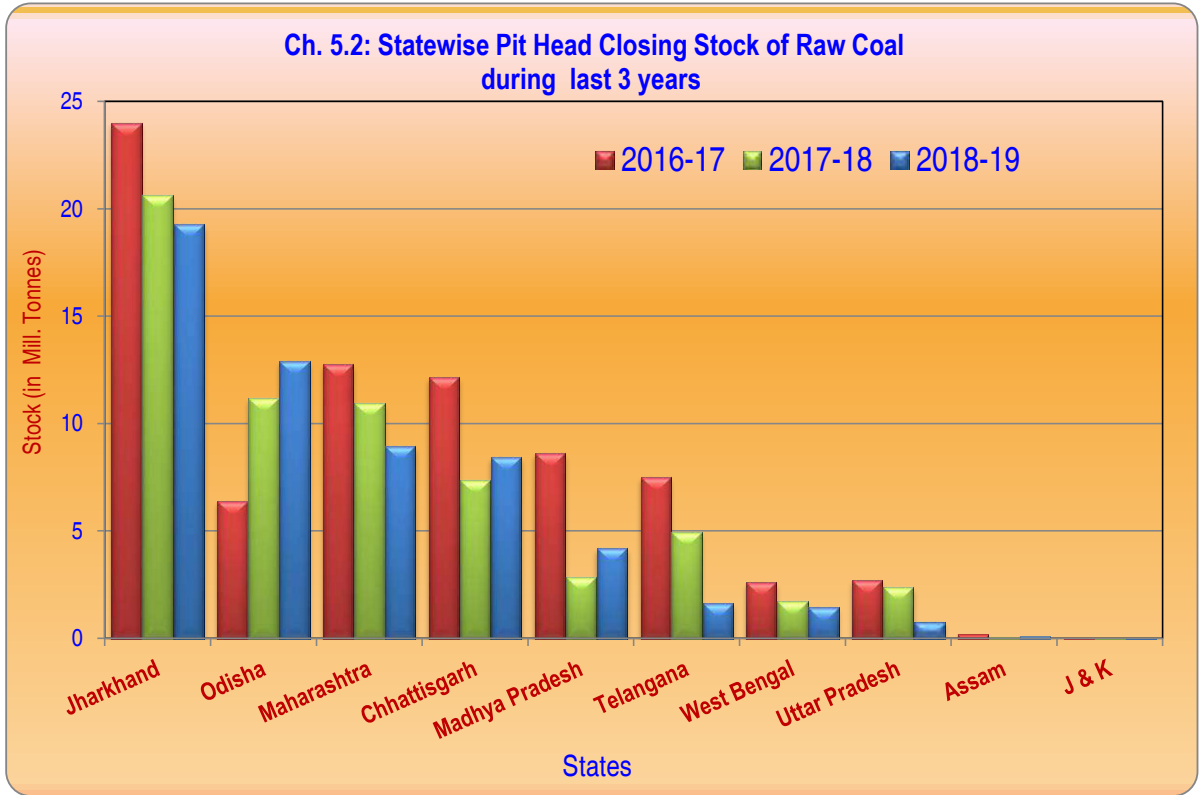


TABLE-5.1. TRENDS OF PIT-HEAD CLOSING STOCK OF DIFFERENT SOLID FOSSIL FUELS IN LAST TEN YEARS

(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)
2009-10	64.863	99.14	37.08	0.565	0.86	-37.43	65.428	35.69
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

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 coal (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total solid coking coal (%)
	Pit-head Closing Stock	Share in total solid coking coal (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total solid coking coal (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total solid coking coal (%)	Change over previous year (%)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2009-10	1.927	17.1	-52.6	9.337	82.9	264.0	11.264	17.4	69.9	53.599	82.6	31.7	64.863	37.1
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

TABLE-5.3 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2018-19

(Quantity in Million Tonnes)

Month	Raw Coal	Lignite	Washed Coal (Coking)	Washed Coal (Non-Coking)	Middlings (Coking)	Middlings (Non-Coking)	Hard Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Apr-18	54.464	4.960	0.148	0.657	0.608	0	0.160
May-18	48.088	3.581	0.221	0.762	0.546	0	0.153
Jun-18	43.085	4.494	0.238	0.684	0.524	0	0.134
1st Quarter	43.085	4.494	0.238	0.684	0.524	0.000	0.134
Jul-18	35.001	4.732	0.224	0.576	0.487	0	0.102
Aug-18	28.394	4.518	0.167	0.482	0.462	0	0.099
Sep-18	27.707	4.698	0.147	0.135	0.445	0	0.105
2nd Quarter	27.707	4.698	0.147	0.135	0.445	0.000	0.105
Oct-18	23.922	4.252	0.144	0.109	0.479	0	0.105
Nov-18	24.742	4.029	0.115	0.057	0.477	0	0.105
Dec-18	25.970	3.962	0.137	0.066	0.458	0	0.127
3rd Quarter	25.970	3.962	0.137	0.066	0.458	0.000	0.127
Jan-19	30.810	4.260	0.120	0.118	0.419	0	0.150
Feb-19	36.813	5.028	0.117	0.326	0.449	0	0.100
Mar-19	57.640	5.672	0.146	0.207	0.462	0	0.085
4th Quarter	57.640	5.672	0.146	0.207	0.462	0.000	0.085
Total 2018-19	57.640	5.672	0.146	0.207	0.462	0.000	0.085

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)
2009-10	0.049	0.08	122.73	0.294	0.45	16.67	7.015	10.82	63.03
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

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)
2009-10	0.008	0.01	300.00	24.933	38.44	30.06	2.498	3.85	54.67
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

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)
2009-10	2.701	4.16	13.20	23.409	36.09	33.96	1.224	1.89	705.26
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

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)
2009-10	0.664	1.02	134.63	2.068	3.19	24.80	64.863	37.08
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

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)
2009-10	0.410	72.57	-52.44	0.155	27.43	278.05			
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

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
2009-10	0.565	-37.43
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

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	2016-17		2017-18		2018-19	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COAL :						
ECL	2.553	3.32	2.496	4.02	2.249	3.90
BCCL	6.199	8.06	5.416	8.73	3.416	5.93
CCL	17.574	22.86	13.469	21.71	13.745	23.85
NCL	7.195	9.36	3.441	5.55	3.370	5.85
WCL	14.142	18.39	11.614	18.72	9.240	16.03
SECL	13.010	16.92	7.414	11.95	8.819	15.30
SECL(GP-IV/2&3)	1.142	1.49	0.317	0.51	0.387	0.67
SECL(GP-IV/1)	0.190	0.25	0.216	0.35	0.059	0.10
MCL	6.387	8.31	11.178	18.02	12.906	22.39
NEC	0.183	0.24	0.069	0.11	0.100	0.17
CIL	68.575	89.19	55.630	89.66	54.291	94.19
SCCL	7.481	9.73	4.921	7.93	1.609	2.79
JKML	0.012	0.02	0.005	0.01	0.003	0.01
JSMDCL	0.000	0.00	0.000	0.00	0.000	0.00
DVC	0.013	0.02	0.060	0.10	0.060	0.10
IISCO	0.007	0.01	0.007	0.01	0.004	0.01
SAIL	0.000	0.00	0.185	0.30	0.185	0.32
RRVUNL	0.000	0.00	0.000	0.00	0.000	0.00
NTPC	0.127	0.17	0.223	0.36	0.561	0.97
WBPDC					0.063	0.11
PUBLIC	76.215	99.12	61.031	98.37	56.776	98.50
TSL	0.011	0.01	0.024	0.04	0.009	0.02
Meghalaya	0.000	0.00	0.000	0.00	0.000	0.00
HIL	0.291	0.38	0.457	0.74	0.319	0.55
SIL	0.008	0.01	0.017	0.03	0.017	0.03
SPL	0.222	0.29	0.264	0.43	0.264	0.46
GMR	0.006	0.01	0.000	0.00	0.000	0.00
BALCO	0.000	0.00	0.000	0.00	0.103	0.18
CESC	0.125	0.16	0.240	0.39	0.148	0.26
JPVL	0.001	0.00	0.001	0.00	0.001	0.00
RCCPL	0.010	0.01	0.007	0.01	0.001	0.00
TUML			0.002	0.00	0.000	0.00
OCL					0.000	0.00
AMBUJA					0.000	0.00
TSPGCL					0.002	0.00
PRIVATE	0.674	0.88	1.012	1.63	0.864	1.50
ALL INDIA	76.889	100.00	62.043	100.00	57.640	100.00
LIGNITE :						
NLC	6.612	96.06	6.784	94.09	5.319	93.78
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	0.012	0.17	0.014	0.19	0.025	0.44
RSMML	0.000	0.00	0.000	0.00	0.000	0.00
VSLPPL	0.062	0.90	0.062	0.86	0.050	0.88
BLMCL	0.197	2.86	0.350	4.85	0.278	4.90
ALL INDIA	6.883	100.00	7.210	100.00	5.672	100.00
COAL & LIGNITE	83.772		69.253		63.312	

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

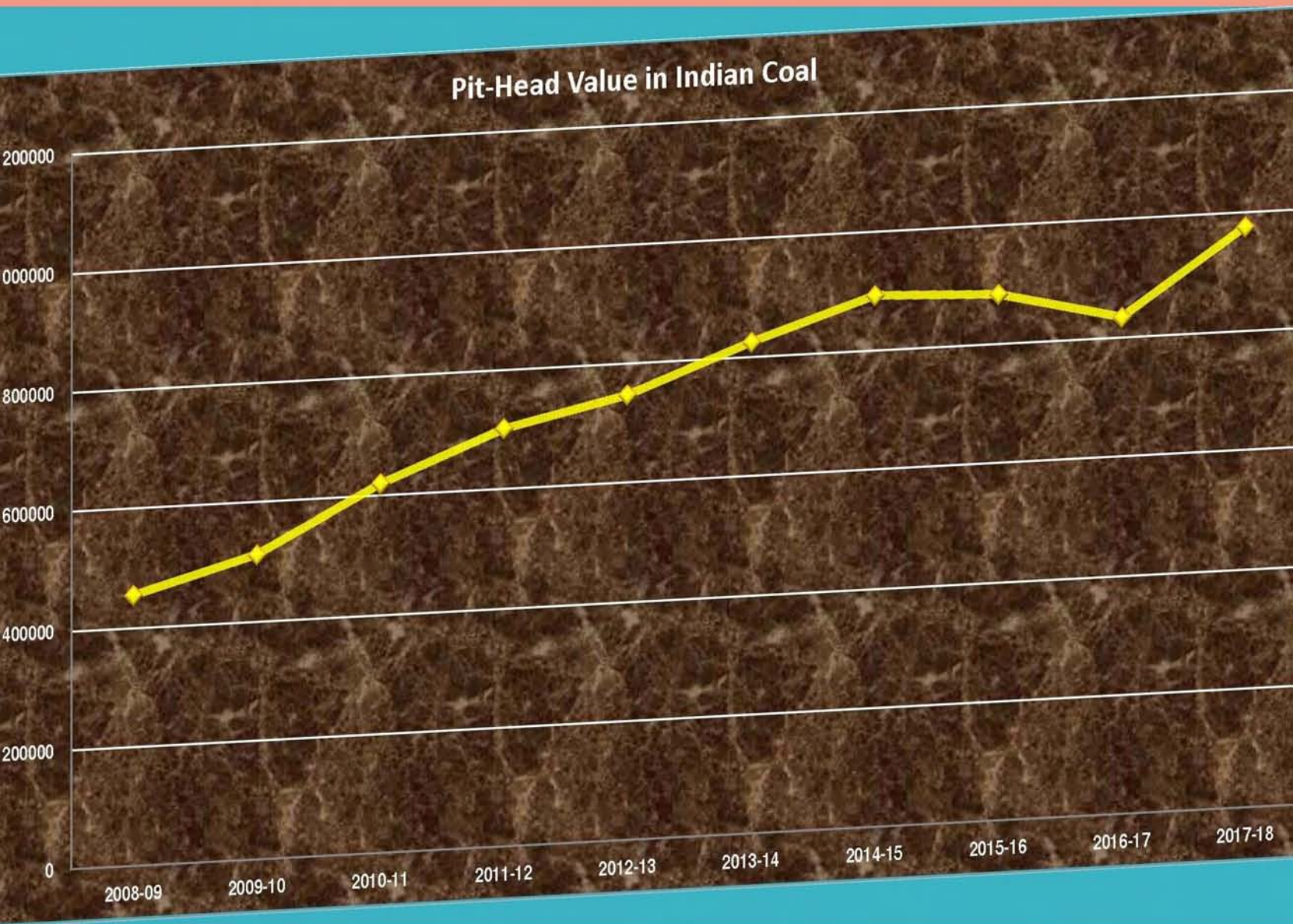
(Quantity in Million Tonnes)

STATES	COAL COMPANY	2016-2017			2017-2018			2018-2019		
		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		0.183	0.183		0.069	0.069		0.100	0.100
Chhattisgarh	SECL	0.130	10.394	10.524	0.009	6.592	6.601	0.009	7.818	7.827
Chhattisgarh	SECL(GP-IV/2&3)		1.142	1.142		0.317	0.317		0.387	0.387
Chhattisgarh	SECL(GP-IV/1)		0.190	0.190		0.216	0.216		0.059	0.059
Chhattisgarh	RRVUNL			0.000		0.000	0.000		0.000	0.000
Chhattisgarh	HIL		0.291	0.291		0.225	0.225		0.048	0.048
Chhattisgarh	BALCO		0.000	0.000		0.000	0.000		0.103	0.103
Chhattisgarh	AMBUJA								0.000	0.000
Chhattisgarh	TOTAL	0.130	12.017	12.147	0.009	7.350	7.359	0.009	8.415	8.424
Jammu & Kashmir	JKML		0.012	0.012		0.005	0.005		0.003	0.003
Jharkhand	ECL	0.006	0.782	0.788	0.002	1.321	1.323	0.009	1.404	1.413
Jharkhand	BCCL	4.132	1.357	5.489	3.500	1.629	5.129	2.135	0.907	3.042
Jharkhand	CCL	6.576	10.998	17.574	2.352	11.117	13.469	1.575	12.170	13.745
Jharkhand	JSMDCL			0.000			0.000			0.000
Jharkhand	DVC	0.013		0.013	0.060		0.060	0.060		0.060
Jharkhand	IISCO			0.000			0.000			0.000
Jharkhand	TSL	0.011		0.011	0.024		0.024	0.009		0.009
Jharkhand	SAIL			0.000	0.185		0.185	0.185		0.185
Jharkhand	NTPC		0.127	0.127		0.223	0.223		0.561	0.561
Jharkhand	HIL					0.232	0.232		0.271	0.271
Jharkhand	TOTAL	10.738	13.264	24.002	6.123	14.522	20.645	3.973	15.313	19.286
Madhya Pradesh	NCL		4.511	4.511		1.052	1.052		2.611	2.611
Madhya Pradesh	WCL	0.110	1.269	1.379	0.010	0.706	0.716	0.002	0.316	0.318
Madhya Pradesh	SECL		2.486	2.486		0.813	0.813		0.992	0.992
Madhya Pradesh	SPL		0.222	0.222		0.264	0.264		0.264	0.264
Madhya Pradesh	JPVL		0.001	0.001		0.001	0.001		0.001	0.001
Madhya Pradesh	RCCPL		0.010	0.010		0.000	0.000		0.001	0.001
Madhya Pradesh	TOTAL	0.110	8.499	8.609	0.010	2.836	2.846	0.002	4.185	4.187
Maharashtra	WCL		12.763	12.763		10.898	10.898		8.922	8.922
Maharashtra	SIL		0.008	0.008		0.017	0.017		0.017	0.017
Maharashtra	TUML					0.002	0.002		0.000	0.000
Maharashtra	TOTAL	0.000	12.771	12.771	0.000	10.917	10.917	0.000	8.939	8.939
Meghalaya	PRIVATE			0.000			0.000			0.000
Odisha	MCL		6.387	6.387		11.178	11.178		12.906	12.906
Odisha	GMR		0.006	0.006		0.000	0.000		0.000	0.000
Odisha	OCL								0.000	0.000
Odisha	TOTAL		6.393	6.393	0.000	11.178	11.178	0.000	12.906	12.906
Telangana	SCCL		7.481	6.544		4.921	4.921		1.609	1.609
Telangana	TSPGCL								0.002	0.002
Telangana	TOTAL	0.000	7.481	6.544	0.000	4.921	4.921	0.000	1.611	1.611
Uttar Pradesh	NCL		2.684	2.684		2.389	2.389		0.759	0.759
West Bengal	ECL	0.007	1.758	1.765	0.005	1.168	1.173	0.001	0.835	0.836
West Bengal	BCCL	0.180	0.530	0.710	0.050	0.237	0.287	0.150	0.224	0.374
West Bengal	IISCO		0.007	0.007		0.007	0.007		0.004	0.004
West Bengal	WBPDC		0.007	0.007		0.007	0.007		0.063	0.063
West Bengal	CESC		0.125	0.125		0.240	0.240		0.148	0.148
West Bengal	TOTAL	0.187	2.420	2.607	0.055	1.659	1.714	0.151	1.274	1.425
Total Public		11.154	65.068	76.222	6.173	54.865	61.038	4.126	52.650	56.776
Total Private		0.011	0.663	0.674	0.024	0.981	1.005	0.009	0.855	0.864
All India		11.165	65.731	76.896	6.197	55.846	62.043	4.135	53.505	57.640

Section

6

Pit-Head Value, Price & Duties



COAL DIRECTORY OF INDIA 2018-19

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

(Quantity in Million Tonnes)

Block	Company	State	2016-17			2017-18			2018-19		
			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		1.142	1.142		0.317	0.317		0.387	0.387
Gare Palma IV/1	SECL	Chhattisgarh		0.190	0.190		0.216	0.216		0.059	0.059
Parsa East & Kanta Basan	RRUVNL	Chhattisgarh		0.000	0.000		0.000	0.000		0.000	0.000
Pakri Barwadih	NTPC	Jharkhand		0.127	0.127		0.223	0.223		0.561	0.561
Tasra	SAIL/IISCO	Jharkhand		0.000	0.000		0.185	0.185		0.185	0.185
Barjora	WBDCL	West Bengal								0.063	0.063
Total Public			0.000	1.459	1.459	0.000	0.941	0.941	0.000	1.255	1.255
Chotia	BALCO	Chhattisgarh		0.000	0.000		0.000	0.000		0.103	0.103
Sarshatali	CESC	West Bengal		0.125	0.125		0.240	0.240		0.148	0.148
Talabira I	GMR	Odisha		0.006	0.006		0.000	0.000		0.000	0.000
Gare Palma IV/4	HIL	Chhattisgarh		0.197	0.197		0.201	0.201		0.039	0.039
Gare Palma IV/5	HIL	Chhattisgarh		0.094	0.094		0.024	0.024		0.009	0.009
Kathautia	HIL	Jharkhand					0.232	0.232		0.271	0.271
Amelia North	JPVL	Madhya Pradesh		0.001	0.001		0.001	0.001		0.001	0.001
Sial Ghogri	RCCPL	Madhya Pradesh		0.010	0.010		0.000	0.000		0.001	0.001
Belgaon	SIL	Maharashtra		0.008	0.008		0.017	0.017		0.017	0.017
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		0.222	0.222		0.264	0.264		0.264	0.264
Marki Mangli I	TUML	Maharashtra					0.002	0.002		0.000	0.000
Ardhagram	OCL	Odisha									0.000
Gare Palma IV/8	AMBUJA	Chhattisgarh									0.000
Tadicherla	TSPGCL	Telangana								0.002	0.002
Total Private			0.000	0.663	0.663	0.000	0.981	0.981	0.000	0.855	0.855
Grand Total			0.000	2.122	2.122	0.000	1.922	1.922	0.000	2.110	2.110

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 2018-19 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 (ROM) price, etc. Statement 6.1 provides state wise production and value for coal and lignite for the year 2018-19

Statement 6.1: State-wise Production (MT) and Value (Million Rs.) of Coal and Lignite for the year 2018-19		
Coal	Production	Value
Assam	0.784	4312.4
Chhattisgarh	161.893	134351.9
Jammu & Kashmir	0.013	25.8
Jharkhand	134.666	271051.4
Maharashtra	49.818	80555.6
Madhya Pradesh	118.661	184713.4
Odisha	144.312	119110.9
Telangana	65.160	174938.4
Uttar Pradesh	20.275	26852.2
West Bengal	33.136	105237.4
Assam	0.784	1101149.5
ALL INDIA	728.718	2202298.9
Lignite		
Gujarat	12.565	11092.0
Tamilnadu	23.041	42903.8
Rajasthan	8.676	14499.2
ALL INDIA	44.282	68495.0

6.1.2 The total production of coal is the sum up 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 state wise production of coal and its value by sector for captive and non-captive separately. The pit head (run of mine) price of coking coal of Coal India Limited for last a few years and 2018-19 is given in Table 6.5 and 6.6.

The pit head (run of mine) price of non-coking coal of CIL (after adoption of GCV band price since 2012) price 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	2014-15		2015-16		2016-17		2017-18		2018-19	
	Production	Value	Production	Value	Production	Value	Production	Value	Production	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
COAL :										
Assam	0.779	3819.9	0.487	1711.3	0.600	2231.9	0.781	4312.4	0.784	4312.4
Chhattisgarh	134.764	139855.4	130.605	147436.8	138.525	104427.5	142.546	114808.0	161.893	134351.9
Jammu & Kashmir	0.013	27.6	0.013	27.6	0.010	21.3	0.014	31.1	0.013	25.8
Jharkhand	124.143	193135.1	121.067	187369.9	126.435	200571.5	123.297	254292.4	134.666	271051.4
Maharashtra	38.257	67045.4	38.351	65340.3	40.559	64267.7	42.219	70892.8	49.818	80555.6
Meghalaya	2.524	12670.5	3.712	18634.2	2.308	8585.4	1.529	5687.7		
Madhya Pradesh	87.609	111478.2	107.714	132254.9	105.013	148372.8	112.127	174484.1	118.661	184713.4
Odisha	123.627	158984.3	138.461	121010.1	139.359	103882.9	143.328	130037.0	144.312	119110.9
Telangana	52.536	109642.6	60.380	122753.5	61.336	110294.2	62.010	119131.3	65.160	174938.4
Uttar Pradesh	14.957	16186.9	12.689	14028.1	16.056	19731.1	18.309	23827.2	20.275	26852.2
West Bengal	29.970	80025.8	25.751	73255.4	27.667	72246.3	29.240	78220.9	33.136	105237.4
ALL INDIA	609.179	892871.7	639.230	883822.1	657.868	834632.6	675.400	975724.7	728.718	1101149.5
LIGNITE :										
Gujarat	12.317	17914.6	10.123	14723.5	10.546	13628.1	13.781	17808.6	12.565	11092.0
Tamilnadu	25.190	51122.4	24.227	49168.0	26.204	51991.8	23.569	47666.8	23.041	42903.8
Rajasthan	10.763	12590.0	9.492	11103.3	8.480	9815.1	9.294	13941.4	8.676	14499.2
ALL INDIA	48.270	81627.0	43.842	74994.8	45.230	75435.0	46.644	79416.7	44.282	68495.0

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 2018-19

(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.	0.784	139.799	0.013	120.011	49.248	97.758	144.151	64.401	20.275	30.880	667.320
		Value	4312.4	104520.7	25.8	247731.9	78907.0	163673.7	118538.2	174030.8	26852.2	102247.5	1020840.2
	Private	Prdn.	6.546										6.546
		Value	13226.38										13226.38
	TOTAL	Prdn.	0.784	139.799	0.013	126.557	49.248	97.758	144.151	64.401	20.275	30.880	673.866
		Value	4312.4	104520.7	25.8	260958.3	78907.0	163673.7	118538.2	174030.8	26852.2	102247.5	1034066.6
CAPTIVE	Public	Prdn.	19.952		7.311						0.400		27.663
		Value	26230.9		8362.5						1422.8		36016.2
	Private	Prdn.	2.142		0.798		0.570	20.903	0.161	0.759	1.856		27.189
		Value	3600.4		1730.6		1648.6	21039.7	572.7	907.6	1567.1		31066.7
	TOTAL	Prdn.	0.000	22.094	0.000	8.109	0.570	20.903	0.161	0.759	0.000	2.256	54.852
		Value	0.0	29831.3	0.0	10093.1	1648.6	21039.7	572.7	907.6	0.0	2989.9	67082.9
TOTAL	Public	Prdn.	0.784	159.751	0.013	127.322	49.248	97.758	144.151	64.401	20.275	31.280	694.983
		Value	4312.4	130751.5	25.8	256094.4	78907.0	163673.7	118538.2	174030.8	26852.2	103670.3	1056856.4
	Private	Prdn.	0.000	2.142	0.000	7.344	0.570	20.903	0.161	0.759	0.000	1.856	33.735
		Value	0.0	3600.4	0.0	14957.0	1648.6	21039.7	572.7	907.6	0.0	1567.1	44293.1
	Total	Prdn.	0.784	161.893	0.013	134.666	49.818	118.661	144.312	65.160	20.275	33.136	728.718
		Value	4312.4	134351.9	25.8	271051.4	80555.6	184713.4	119110.9	174938.4	26852.2	105237.4	1101149.5

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 (Rupees/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 (Rupees/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 (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
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		
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		
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			
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

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 (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	
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
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			
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			
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	

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

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

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

Table 6.7 : 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]								
		01-04-13 to 27-05-13	28-05-13 to 31-03-14	01-04-14 to 31-03-15	01-04-15 to 31-03-16	01-04-16 to 29-05-16	30-05-16 to 31-03-17	01-04-17 to 08-01-18	09-01-18 to 31-03-18	01-04-18 to 31-03-19
		(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	4870	3450	3450	3288	3288
G 3	Exceeding 6400 and not exceeding 6700	4420	3890	3890	3890	3890	3210	3210	3144	3144
G 4	Exceeding 6100 and not exceeding 6400	3970	3490	3490	3490	3490	3000	3000	3000	3000
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800	2750	2750	2737	2737
G 6	Exceeding 5500 and not exceeding 5800	1740	1600	1600	1600	1600	1900	1900	2317	2317
G 7	Exceeding 5200 and not exceeding 5500	1520	1400	1400	1400	1400	1600	1600	1926	1926
G 8	Exceeding 4900 and not exceeding 5200	1370	1250	1250	1250	1250	1420	1420	1465	1465
G 9	Exceeding 4600 and not exceeding 4900	1060	970	970	970	970	1100	1100	1140	1140
G 10	Exceeding 4300 and not exceeding 4600	940	860	860	860	860	980	980	1024	1024
G 11	Exceeding 4000 and not exceeding 4300	770	700	700	700	700	810	810	955	955
G 12	Exceeding 3700 and not exceeding 4000	720	660	660	660	660	760	760	886	886
G 13	Exceeding 3400 and not exceeding 3700	660	610	610	610	610	720	720	817	817
G 14	Exceeding 3100 and not exceeding 3400	600	550	550	550	550	650	650	748	748
G 15	Exceeding 2800 and not exceeding 3100	550	510	510	510	510	600	600	590	590
G 16	Exceeding 2500 and not exceeding 2800	490	450	450	450	450	530	530	504	504
G 17	Exceeding 2200 and not exceeding 2500	430	400	400	400	400	470	470	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 available 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]								
		01-04-13 to 27-05-13	28-05-13 to 31-03-14	01-04-14 to 31-03-15	01-04-15 to 31-03-16	01-04-16 to 29-05-16	30-05-16 to 31-03-17	01-04-17 to 08-01-18	09-01-18 to 31-03-18	01-04-18 to 31-03-19
(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	4870	3450	3450	3288	3288
G 3	Exceeding 6400 and not exceeding 6700	4420	3890	3890	3890	3890	3210	3210	3144	3144
G 4	Exceeding 6100 and not exceeding 6400	3970	3490	3490	3490	3490	3000	3000	3000	3000
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800	2750	2750	2737	2737
G 6	Exceeding 5500 and not exceeding 5800	2350	2150	2150	2150	2150	2280	2280	2524	2524
G 7	Exceeding 5200 and not exceeding 5500	2050	1890	1890	1890	1890	1920	1920	2311	2311
G 8	Exceeding 4900 and not exceeding 5200	1850	1690	1690	1690	1690	1700	1700	1757	1757
G 9	Exceeding 4600 and not exceeding 4900	1430	1310	1310	1310	1310	1320	1320	1368	1368
G 10	Exceeding 4300 and not exceeding 4600	1270	1160	1160	1160	1160	1180	1180	1228	1228
G 11	Exceeding 4000 and not exceeding 4300	1040	950	950	950	950	970	970	1145	1145
G 12	Exceeding 3700 and not exceeding 4000	970	890	890	890	890	910	910	1063	1063
G 13	Exceeding 3400 and not exceeding 3700	890	820	820	820	820	860	860	980	980
G 14	Exceeding 3100 and not exceeding 3400	810	740	740	740	740	780	780	897	897
G 15	Exceeding 2800 and not exceeding 3100	740	680	680	680	680	720	720	708	708
G 16	Exceeding 2500 and not exceeding 2800	660	610	610	610	610	640	640	604	604
G 17	Exceeding 2200 and not exceeding 2500	580	540	540	540	540	570	570	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 available 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), Fertiliser and Defence Sector). [Price- Rs. / Tonne]

Grade of Coal	GCV Bands	01-04-13 to 27-05-13	28-05-13 to 16-12-13	17-12-13 to 31-03-14	01-04-14 to 31-03-15	01-04-15 to 31-03-16	01-04-16 to 29-05-16	30-05-16 to 31-03-17	01-04-17 to 08-01-18	09-01-18 to 31-03-18	01-04-18 to 31-03-19
(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	4870	3450	3450	3288	3288
G 3	Exceeding 6400 and not exceeding 6700	4420	3890	3890	3890	3890	3890	3210	3210	3144	3144
G 4	Exceeding 6100 and not exceeding 6400	3970	3490	3490	3490	3490	3490	3000	3000	3000	3000
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800	2800	2750	2750	2737	2737
G 6	Exceeding 5500 and not exceeding 5800	1740	1760	1920	1920	1920	1920	2280	2280	2524	2524
G 7	Exceeding 5200 and not exceeding 5500	1520	1540	1680	1680	1680	1680	1920	1920	2311	2311
G 8	Exceeding 4900 and not exceeding 5200	1370	1380	1510	1510	1510	1510	1700	1700	1757	1757
G 9	Exceeding 4600 and not exceeding 4900	1060	1070	1170	1170	1170	1170	1320	1320	1368	1368
G 10	Exceeding 4300 and not exceeding 4600	940	940	1030	1030	1030	1030	1180	1180	1228	1228
G 11	Exceeding 4000 and not exceeding 4300	770	770	840	840	840	840	970	970	1145	1145
G 12	Exceeding 3700 and not exceeding 4000	720	730	800	800	800	800	910	910	1063	1063
G 13	Exceeding 3400 and not exceeding 3700	660	670	730	730	730	730	860	860	980	980
G 14	Exceeding 3100 and not exceeding 3400	600	610	670	670	670	670	780	780	897	897
G 15	Exceeding 2800 and not exceeding 3100	550	560	610	610	610	610	720	720	708	708
G 16	Exceeding 2500 and not exceeding 2800	490	500	550	550	550	550	640	640	604	604
G 17	Exceeding 2200 and not exceeding 2500	430	440	480	480	480	480	560	560	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 available 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	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
(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	4870	3450	3450	3288	3288
G 3	Exceeding 6400 and not exceeding 6700	3890	3890	3890	3890	3210	3210	3144	3144
G 4	Exceeding 6100 and not exceeding 6400	3490	3490	3490	3490	3000	3000	3000	3000
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2750	2750	2737	2737
G 6	Exceeding 5500 and not exceeding 5800	2590	2590	2590	2590	2280	2280	2580	2580
G 7	Exceeding 5200 and not exceeding 5500	2270	2270	2270	2270	1920	1920	2423	2423
G 8	Exceeding 4900 and not exceeding 5200	2030	2030	2030	2030	1700	1700	2109	2109
G 9	Exceeding 4600 and not exceeding 4900	1570	1570	1570	1570	1320	1320	1642	1642
G 10	Exceeding 4300 and not exceeding 4600	1390	1390	1390	1390	1180	1180	1474	1474
G 11	Exceeding 4000 and not exceeding 4300	1150	1150	1150	1150	970	970	1374	1374
G 12	Exceeding 3700 and not exceeding 4000	1070	1070	1070	1070	910	910	1275	1275
G 13	Exceeding 3400 and not exceeding 3700	980	980	980	980	860	860	1176	1176
G 14	Exceeding 3100 and not exceeding 3400	890	890	890	890	780	780	1076	1076
G 15	Exceeding 2800 and not exceeding 3100	820	820	820	820	720	720	850	850
G 16	Exceeding 2500 and not exceeding 2800	730	730	730	730	640	640	725	725
G 17	Exceeding 2200 and not exceeding 2500	640	640	640	640	570	570	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 available 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 31-03-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
G 1	Above 7000	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4910
G 2	6701-7000	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4700
G 3	6401-6700	4390	4390	4390	4390	4390	4390	4390	4390	4390	4390	4390	4610
G 4	6101-6400	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4560
G 5	5801-6100	4320	4320	4320	4320	3320	3320	3320	3520	3520	3700	3700	3885
G 6	5501-5800	3328	3328	3328	3328	3000	3000	3000	3200	3200	3600	3600	3780
G 7	5201-5500	2600	2600	2600	2600	2600	2600	2600	2800	2800	3100	3100	3430
G 8	4901-5200	2580	2580	2580	2580	2580	2580	2580	2600	2600	2900	2900	3130
G 9	4601-4900	1730	1730	1730	1730	1730	1730	1730	2030	2030	2330	2330	2450
G 10	4301-4600	1610	1610	1610	1610	1610	1610	1610	1900	1900	2200	2200	2310
G 11	4001-4300	1300	1300	1300	1300	1300	1300	1300	1430	1430	1730	1730	1820
G 12	3701-4000	1050	1050	1050	1050	1050	1050	1050	1250	1250	1520	1520	1600
G 13	3401-3700	800	800	800	800	800	960	960	960	960	1160	1160	1230
G 14	3101-3400	710	710	710	710	710	710	710	710	710	1000	1000	1100
G 15	2801-3100	590	590	590	590	590	590	590	590	590	880	880	970
G 16	2501-2800	550	550	550	550	550	550	550	550	550	840	840	920
G 17	2201-2500	490	490	490	490	490	490	490	490	490	590	590	830

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 31-03-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
G 1	Above 7000	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4680	4910
G 2	6701-7000	4480	4480	4480	4300	4300	4300	4300	4300	4300	4480	4480	4700
G 3	6401-6700	4390	4390	4390	3900	3900	3900	3900	3900	3900	4390	4390	4610
G 4	6101-6400	4340	4340	4340	3600	3600	3600	3600	3600	3600	4340	4340	4560
G 5	5801-6100	4320	4320	4320	3320	3320	3320	3320	3520	3520	3700	3700	3885
G 6	5501-5800	3328	3328	3328	3000	3000	3000	3000	3200	3200	3600	3600	3780
G 7	5201-5500	2600	2600	2600	2600	2600	2600	2600	2800	2800	3100	3100	3430
G 8	4901-5200	2580	2580	2580	2580	2580	2580	2580	2600	2600	2900	2900	3130
G 9	4601-4900	2280	2280	2280	2280	2280	2280	2280	2500	2500	2800	2800	3020
G 10	4301-4600	2130	2130	2130	2130	2130	2130	2130	2340	2340	2660	2660	2880
G 11	4001-4300	1725	1725	1725	1725	1725	1725	1725	1900	1900	2150	2150	2340
G 12	3701-4000	1395	1395	1395	1395	1395	1395	1395	1500	1500	1900	1900	2080
G 13	3401-3700	1065	1065	1065	1065	1065	1065	1065	1200	1200	1500	1500	1660
G 14	3101-3400	945	945	945	945	945	945	945	945	945	1300	1300	1520
G 15	2801-3100	795	795	795	795	795	795	795	795	795	1000	1000	1190
G 16	2501-2800	635	635	635	635	635	635	635	635	635	840	840	1010
G 17	2201-2500	486	486	486	486	486	486	486	486	490	590	590	940

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

7

Import and Export



COAL DIRECTORY OF INDIA 2018-19

Section VII

7.1 : Import & Export

7.1. 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.

7.2 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.

7.3 In 2018-19, import of coal by India was 235.348 MT against import of 208.248 MT in 2017-18, thus import increased by 13.01% over 2017-18. Import of coal, both in quantity and value is shown in Statement 7.1 below.

Statement 7.1: Import of Coal to India in 2018-19		
Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	51.837	720497
Non-Coking	183.51	988707
Total	235.34	1709204

It may be seen that the share of coking coal in the total quantity was 22.02% but it accounted for 42.15% of the total value of import.

7.4 Statement 7.3 shows country wise import of coal in India in 2018-19. It can be seen that Indonesia with 47.96% share remained the leading supplier followed by Australia 20.47% and South Africa 13.24%. These three countries together accounted for 81.67% share in the country's import in 2018-19.

Statement 7.3: Source Country-Wise Import of Coal by India during 2018-19		
Country	Quantity	Share
Indonesia	112.88	47.96%
Australia	48.16	20.47%
South Africa	31.15	13.24%
U S A	14.97	6.36%
Mozambique	7.09	3.01%
Russia	4.92	2.09%
Canada	4.45	1.89%
New Zealand	0.499	0.21%
Colombia	0.508	0.22%
Chile	0.253	0.11%
China P Rp	0.051	0.02%
Vietnam Soc Rep	0.103	0.04%
Others	10.314	4.38%
Total	235.348	100%

7.5 The break-up of source country wise import for coking and non-coking coal during 2018-19 is given in statement 7.3 and respectively.

Statement 7.3 Source Country-Wise Import of Coking Coal by India during 2018-19		
Country	Quantity [MT]	Share
Australia	36.93	71.24%
Canada	4.293	8.28%
U S A	4.133	7.97%
Mozambique	2.239	4.31%
Indonesia	1.666	3.21%
New Zealand	0.447	0.86%
Russia	0.544	1.04 %
Others	1.585	3.05%
Total	51.837	100%

Statement 7.4 Source Country-Wise Import of Non-Coking Coal to India during 2018-19		
Country	Quantity [MT]	Share
Indonesia	111.714	60.87%
South Africa	31.152	16.97%
Australia	11.235	6.12%
U S A	10.841	5.90%
Russia	4.376	2.38%
Mozambique	4.853	2.64%
Colombia	0.497	0.27%
Others	8.842	4.81%
Total	183.510	100%

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

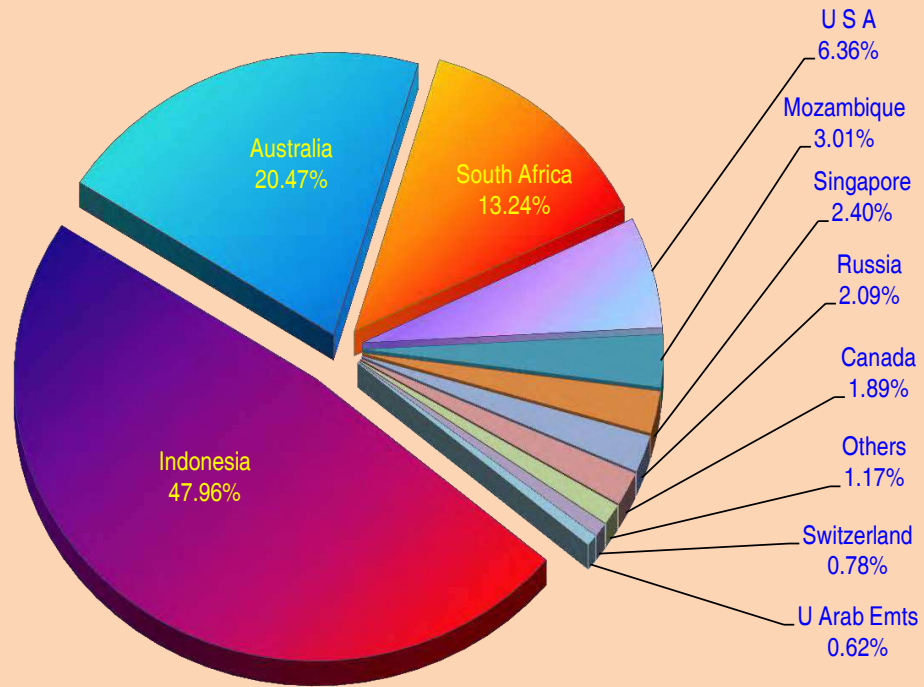
Statement 7.1: Demand, Production and Import of Coal in India in last five years [MT]			
Year	Demand *	Production	Import
2014-15	787.030	609.179	217.783
2015-16	910.000	639.230	203.949
2016-17	884.870	657.868	190.953
2017-18	908.400	675.400	208.249
2018-19	991.35	728.718	235.348

* Source: Annual Plan, MOC

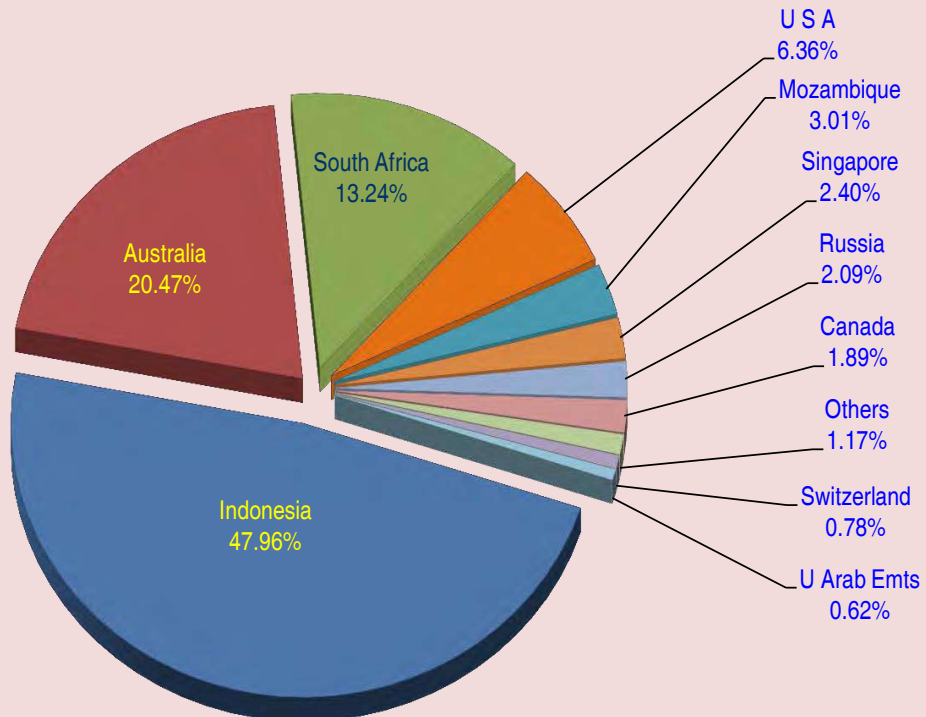
7.7 Export of Coal: Although, there is short supply of coal in India compared to its demand and it has to resort to import of coal, India do export some quantity of coal to its neighbouring countries. In 2018-19 the export of coal was 1.306 MT and mainly exported to Bangladesh and Nepal, respective share was 30.85% and 63.06%. Out of the export, share of coking coal was 0.059 MT.

Statement 7.4: Export of Coal from India by destination countries during 2018-19		
Country	Quantity [MT]	Share
Bangladesh Pr	0.403	30.85%
Nepal	0.823	63.06%
Bhutan	0.027	2.06%
Egypt	0.050	3.82%
UAE	0.001	0.07%
Others	0.196	15%
Total	1.306	100%

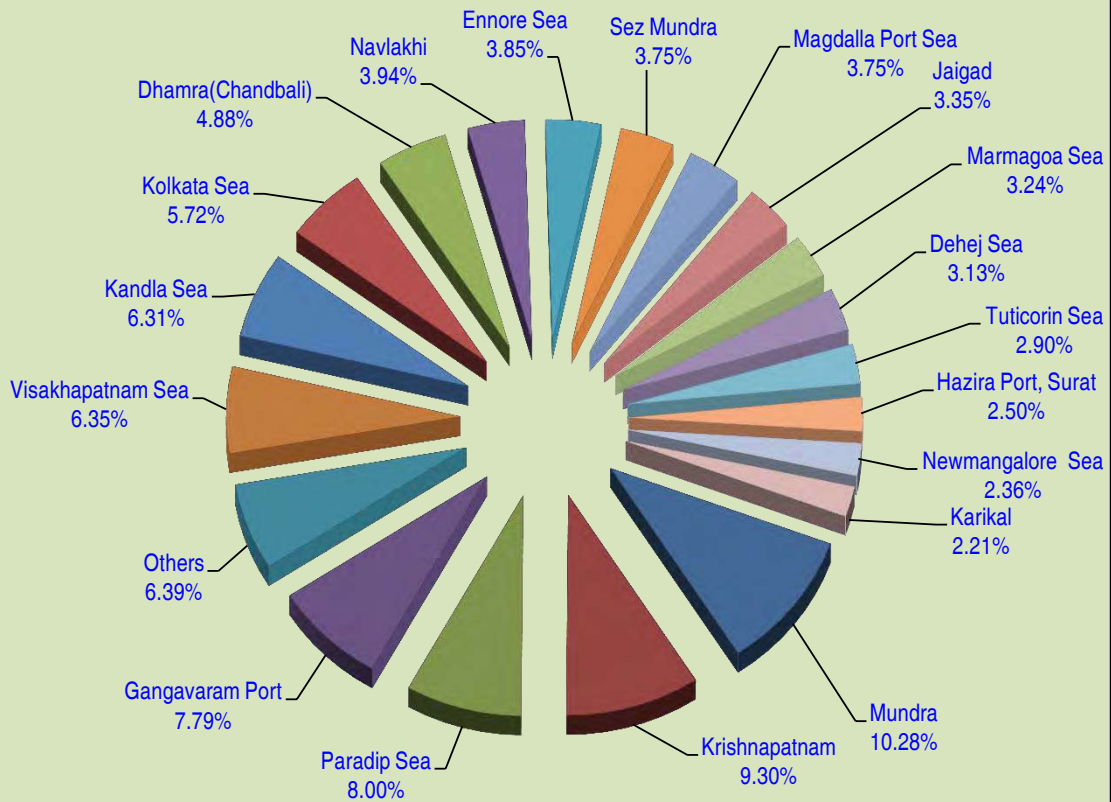
Ch.7.1: SHARE OF COUNTRY WISE IMPORT OF COAL IN 2018-19



Ch.7.2: SHARE OF COUNTRY WISE EXPORT OF COAL IN 2018-19



Ch.7.3 : SHARE OF PORT WISE IMPORT OF COAL IN 2018-19



Ch.7.4 : SHARE OF PORT WISE EXPORT OF COAL IN 2017-18

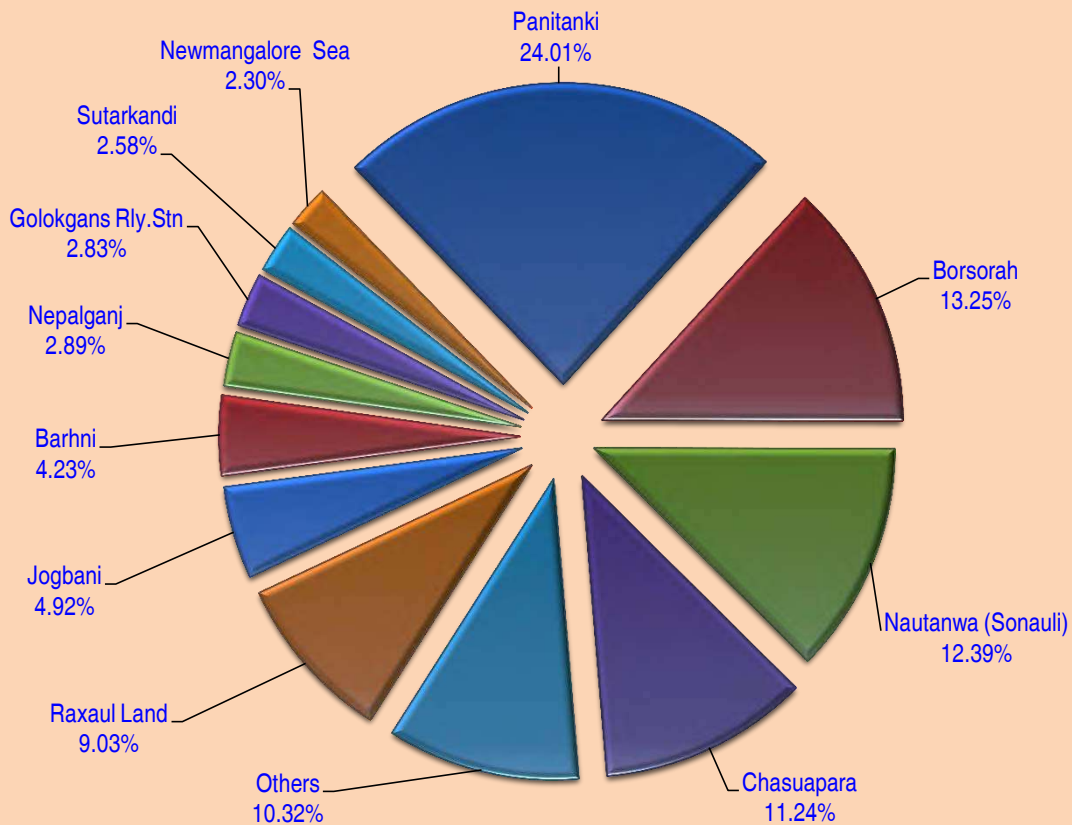


TABLE 7.1 : YEAR WISE IMPORT OF COAL AND COKE TO INDIA DURING LAST TEN YEARS

(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)
2009-10	24.69000	201311.00	48.56500	190489.00	73.25500	391800.00	2.35500	33311.00		
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

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)
2009-10	0.26958	695.53	2.17997	4346.64	2.44955	5042.17	0.12878	2080.04		
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

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 2018-19

(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	36.93069	516773.79	11.23570	98650.71	48.16639	615424.50	0.43727	11635.83		
Austria	0.08165	920.35			0.08165	920.35				
Bangladesh PR	0.00000	0.01	0.02897	237.85	0.02897	237.86				
Belgium			0.00288	46.65	0.00288	46.65				
Bhutan	0.00010	0.73	0.00786	57.32	0.00796	58.05				
Canada	4.29391	62142.89	0.16440	2067.98	4.45831	64210.87	0.00002	0.48		
Chile			0.25353	910.61	0.25353	910.61				
China PRP			0.05115	1705.40	0.05115	1705.40	1.90515	47100.75	0.00608	94.08
Colombia	0.01154	148.75	0.49704	3190.34	0.50858	3339.09	0.47338	10248.96		
Cyprus			0.00028	3.53	0.00028	3.53	0.00741	137.51		
Denmark					0.00000	0.00	0.00466	74.81		
Egypt ARP					0.00000	0.00	0.13818	3292.81		
Estonia					0.00000	0.00	0.00009	1.67		
Finland			0.18999	1926.37	0.18999	1926.37				
Germany			0.00003	1.49	0.00003	1.49	0.00015	3.36		
Hong Kong			0.18138	811.52	0.18138	811.52	0.02727	409.84	0.00205	35.06
Indonesia	1.16669	14051.94	111.71446	490276.25	112.88115	504328.18	0.02508	370.93		
Iran	0.00002	0.24	0.00010	0.76	0.00012	1.00	0.03786	752.85		
Ireland					0.00000	0.00	0.00010	1.54		
Italy					0.00000	0.00	0.03597	923.87	0.01120	272.92
Japan					0.00000	0.00	0.31539	8048.40		
Kazakhstan			0.00005	0.12	0.00005	0.12				
Kenya					0.00000	0.00		0.02		
Korea RP			0.07700	276.18	0.07700	276.18	0.01536	426.70		
Latvia			0.40083	4209.32	0.40083	4209.32	0.00070	12.51		
Lithuania					0.00000	0.00	0.00113	22.94		
Malaysia			0.10848	473.04	0.10848	473.04	0.01008	111.91		
Malta			0.07596	459.70	0.07596	459.70				
Mexico					0.00000	0.00	0.03080	610.19		
Morocco			0.02000	91.13	0.02000	91.13				
Mozambique	2.23918	28217.57	4.85300	31792.45	7.09218	60010.02		0.55		
Netherland			0.01000	95.24	0.01000	95.24	0.03650	1007.16		
New Zealand	0.44722	5617.67	0.05190	271.19	0.49912	5888.86		0.00		
Oman					0.00000	0.00	0.01500	258.21		
Philippines			0.07510	347.79	0.07510	347.79				
Poland					0.00000	0.00	0.80071	21481.61		
Qatar					0.00000	0.00	0.00002	0.13		
Romania			0.02928	399.14	0.02928	399.14				
Russia	0.54477	6043.21	4.37610	41338.48	4.92087	47381.69	0.25092	6116.66		
Saudi Arab			0.03483	203.92	0.03483	203.92				
Singapore	1.50739	20819.05	4.14873	24552.57	5.65612	45371.62	0.15843	3575.83		
South Africa			31.15255	189505.47	31.15255	189505.47		0.01		
Spain			0.00076	16.73	0.00076	16.73	0.00008	2.35		
Sri Lanka DSR					0.00000	0.00	0.00012	6.11		
Switzerland	0.04196	441.77	1.78338	8907.97	1.82534	9349.75	0.11550	2351.71		
Thailand				0.05	0.00000	0.05				
Turkey					0.00000	0.00	0.03025	620.81		
U Arab Emts	0.43755	6347.22	1.02654	5803.25	1.46409	12150.48	0.04999	971.61		
U K	0.00127	35.33	0.00191	58.54	0.00318	93.88	0.00018	6.67		
U S A	4.13374	58937.11	10.84179	78523.04	14.97553	137460.15	0.00672	51.76	0.00004	1.37
Uzbekistan				0.00	0.00000	0.00				
Venezuela					0.00000	0.00	0.00047	5.83		
Vietnam SOC REP			0.10311	1472.66	0.10311	1472.66				
Unspecified			0.01128	22.46	0.01128	22.46				
TOTAL	51.83768	720497.64	183.51033	988707.26	235.34801	1709204.90	4.93094	120644.85	0.01937	403.43

Source: DGCI & S, KOLKATA

TABLE 7.4 : DESTINATION COUNTRY-WISE EXPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2018-19

(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	4.89
Angola					0.00000	0.00			0.00003	0.83
Australia			0.00000	0.00	0.00000	0.00				
Azerbaijan					0.00000	0.00			0.00003	4.89
Baharain IS			0.00002	0.83	0.00002	0.83				
Bangladesh PR	0.00161	9.96	0.40134	1940.07	0.40295	1950.03	0.00406	56.33	0.00011	1.33
Bhutan	0.00003	0.42	0.02757	337.00	0.02760	337.42	0.00012	3.17	0.03464	864.52
Brazil					0.00000	0.00			0.03850	1012.16
Canada				0.00	0.00000	0.00				
Egypt A RP	0.05000	853.03			0.05000	853.03				
France				0.01	0.00000	0.01				
Greece			0.00002	0.52	0.00002	0.52				
Indonesia					0.00000	0.00	0.00007	1.64		
Iraq			0.00000	0.05	0.00000	0.05				
Israel			0.00003	0.66	0.00003	0.66				
Japan					0.00000	0.00				0.01
Jordan			0.00001	0.15	0.00001	0.15			0.00028	8.55
Korea Rp				0.00	0.00000	0.00				
Kuwait			0.00001	0.54	0.00001	0.54			0.00002	2.54
Malaysia			0.00010	2.52	0.00010	2.52			0.00022	30.54
Maldives				0.01	0.00000	0.01	0.00000	0.20		
Mozambique			0.00000	0.02	0.00000	0.02				
Nepal	0.00814	48.48	0.81508	6244.40	0.82323	6292.88	0.01862	131.27	0.00040	3.69
Netherland					0.00000	0.00			0.00005	7.63
Oman			0.00007	3.01	0.00007	3.01	0.00002	0.53	0.00053	82.52
Pakistan IR					0.00000	0.00	0.00152	22.58	0.00223	67.43
Philippines			0.00059	19.00	0.00059	19.00				
Qatar			0.00009	3.65	0.00009	3.65			0.00027	8.94
Russia					0.00000	0.00			0.00020	32.83
Saudi Arab			0.00016	2.77	0.00016	2.77	0.00017	3.78	0.00069	68.43
Seychelles			0.00001	0.52	0.00001	0.52				
South Africa					0.00000	0.00	0.00006	2.19		
Spain					0.00000	0.00			0.00010	1.47
Sri Lanka DSR			0.00000	0.06	0.00000	0.06	0.00004	0.84	0.00034	10.65
Taiwan					0.00000	0.00			0.00002	1.24
Tanzania REP					0.00000	0.00	0.00004	1.84		
Thailand			0.00001	0.63	0.00001	0.63	0.00005	1.48	0.00002	2.47
U Arab Emnts			0.00149	31.58	0.00149	31.58	0.00016	2.21	0.00021	12.72
U K				0.00	0.00000	0.00	0.00001	0.03		
U S A			0.00000	0.00	0.00000	0.00			0.00000	0.21
Uganda					0.00000	0.00			0.00002	0.33
Vietnam SOC REP					0.00000	0.00			0.00002	2.39
Zambia			0.00000	0.01	0.00000	0.01				
Unspecified					0.00000	0.00				
TOTAL	0.05978	911.89	1.24659	8587.98	1.30637	9499.87	0.02493	228.09	0.07894	2233.19

Source: DGCI & S , KOLKATA

TABLE 7.5 : PORT WISE IMPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2018-19

(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			0.02357	194.44	0.02357	194.44				
Appic Multi Prod Sez Vizag Dc			0.08020	409.05	0.08020	409.05	0.042797	895.32		
Bangalore Airport	0.00000	0.02	0.00002	0.22	0.00002	0.24				
Bedi Sea			0.07040	316.93	0.07040	316.93				
Bhavnagar			0.91991	4156.00	0.91991	4156.00				
Cfs Patparganj			0.00001	0.26	0.00001	0.26	0.000001	0.10		
Cfs Startrack Dadri			0.00007	1.09	0.00007	1.09				
Chennai Air				0.00	0.00000	0.00		0.04		
Chennai Sea	0.00108	30.40	0.03122	895.09	0.03230	925.49	0.011295	308.91	0.002872	44.66
Cochin Sea			0.04334	228.60	0.04334	228.60	0.000028	0.63		
Darranga (Rangia)			0.00575	41.80	0.00575	41.80				
Dehej Sea			7.36827	38547.26	7.36827	38547.26				
Delhi (lcd)					0.00000	0.00	0.000001	0.10		
Delhi Air				0.24	0.00000	0.24	0.000001	0.87		
Dhahanu Sea			0.40820	2141.55	0.40820	2141.55				
Dhamra(Chandbali)	6.88597	94461.29	4.59221	37635.08	11.47818	132096.37				
Dharmatar Sea			3.26762	15317.26	3.26762	15317.26	0.073500	1757.15		
Dighi Port Mumbai			0.07954	461.66	0.07954	461.66				
Ennore Sea	0.87798	12052.58	8.17731	35715.00	9.05528	47767.58	0.059896	1640.45		
Gangavaram Port	5.51235	76727.11	12.81915	69745.71	18.33149	146472.81	0.379371	9923.27		
Gopalpur Port	0.06873	894.18			0.06873	894.18				
Hazira Port, Surat	0.00019	4.94	5.88263	24782.50	5.88282	24787.44				
Hyderabad Airport	0.00000	0.01			0.00000	0.01				
lcd Bangalore					0.00000	0.00	0.000015	0.43		
lcd Bhusawal					0.00000	0.00	0.004655	74.77		
lcd Durgapur, Wb			0.02143	658.64	0.02143	658.64				
lcd Garhaharsaru			0.00011	3.61	0.00011	3.61	0.000478	8.60		
lcd Ludhiana			0.00050	8.29	0.00050	8.29				
lcd Mandideep					0.00000	0.00	0.000084	2.35		
lcd Nagpur			0.00143	55.10	0.00143	55.10				
lcd Raipur			0.00202	62.37	0.00202	62.37				
lcd Sabarnati			0.00062	13.51	0.00062	13.51	0.000015	0.69		
lcd Thar Dry Port			0.00157	23.53	0.00157	23.53				
Jabilant Infra Ltd Kandla			0.02150	81.52	0.02150	81.52				
Jaigad	2.95352	40951.27	4.93136	28679.82	7.88487	69631.09	0.030329	756.39		
Jaigaon	0.00010	0.73	0.00210	15.53	0.00221	16.25				
Jakhav			0.62689	2403.87	0.62689	2403.87				
Kakinada Sea	0.05994	886.74	2.89907	13801.67	2.95901	14688.41				
Kandla Sea	0.64885	9529.16	14.21088	82285.21	14.85973	91814.36	0.028157	613.31		
Karikal	0.52653	7180.88	4.66748	21961.60	5.19400	29142.48				
Kattupalli Port/ Tiruvallur			0.00045	10.15	0.00045	10.15				
Kodinar Sea			0.05748	169.64	0.05748	169.64				
Kolkata Air	0.00000	0.03	0.00000	0.62	0.00000	0.65		0.00		
Kolkata Sea	7.98574	115763.59	5.48397	38952.08	13.46971	154715.67	0.584978	13468.32	0.004100	72.07
Krishnapatnam	3.74410	48048.95	18.14064	99860.86	21.88474	147909.80	0.345287	8858.25		
Lcs Mahurighat			0.00231	18.50	0.00231	18.50				
Magdalla Port Sea	0.29868	3510.05	8.53082	47521.70	8.82950	51031.75	1.165467	30230.71		
Marmagoa Sea	4.76740	62996.48	2.86385	20988.43	7.63125	83984.91	0.353179	9581.07		
Mumbai Air	0.00000	0.10	0.00001	1.65	0.00001	1.74	0.000001	0.89		0.00
Mumbai Sea			2.43896	14471.99	2.43896	14471.99				
Mundra	1.25662	17064.41	22.94375	115602.94	24.20036	132667.35	0.000082	1.94		
Navlakhi			9.26632	41551.99	9.26632	41551.99				
Newmangalore Sea	0.54162	6719.32	5.01295	31784.12	5.55458	38503.43	0.563556	14204.46		
Nhava Sheva Sea			0.00480	162.13	0.00480	162.13	0.002985	63.37	0.000861	8.17
Okha	0.12522	1759.65	0.85314	5032.08	0.97836	6791.73				
Paradip Sea	10.02944	141336.77	8.79745	59247.88	18.82690	200584.65	0.881713	20313.78		
Parri Infra Co Pvt Ltd			0.01100	43.53	0.01100	43.53				
Petrapole Land	0.00000	0.01	0.00001	0.08	0.00001	0.09				
Pipavab(Vicor)	0.03400	462.78	0.61747	4574.56	0.65147	5037.34	0.041555	685.99	0.011200	272.92
Porbandar			0.66103	3511.65	0.66103	3511.65				
Ranpar			0.24067	901.85	0.24067	901.85				
Revdanda			0.86921	3802.11	0.86921	3802.11				
Saraf Agencies Pvt Ltd			0.00330	36.11	0.00330	36.11				
Sez Cochin					0.00000	0.00		0.14		
Sez Dahej			0.01000	40.90	0.01000	40.90				
Sez Jamnagar (Reliance)			0.08249	315.62	0.08249	315.62				
Sez Mundra			8.83425	40845.58	8.83425	40845.58				
Srimantapur			0.00309	24.84	0.00309	24.84				
Tuticorin Sea			6.81572	28525.89	6.81572	28525.89	0.002472	143.69		
Visakhapatnam Sea	5.51963	80116.22	9.42688	48843.36	14.94651	128959.58	0.359039	7108.87	0.000333	5.61
Unspecified			0.38200	1220.44	0.38200	1220.44				
TOTAL	51.83868	720497.64	183.51033	988707.26	235.34801	1709204.90	4.930937	120644.85	0.019366	403.43

Source: DGCI & S, KOLKATA

TABLE 7.6 : PORT WISE EXPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2018-19

(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)
Ahmedabad Air Cargo Complex					0.00000	0.00				0.01
Bairgania			0.01715	134.14	0.01715	134.14				
Banbasa, Champawat/ Uttarakhand			0.00000	0.02	0.00000	0.02				
Bangalore Airport			0.00000	0.00	0.00000	0.00				
Barhni	0.00017	1.55	0.05515	477.67	0.05532	479.22	0.00021	2.67	0.00015	1.63
Bhimnagar			0.01155	92.31	0.01155	92.31				
Bhithamore			0.01061	82.86	0.01061	82.86				
Borsorah			0.17314	803.25	0.17314	803.25				
Chasuapara			0.14680	712.14	0.14680	712.14				
Chennai Air				0.00	0.00000	0.00				
Chennai Sea			0.00003	1.16	0.00003	1.16				
Dalu			0.00352	17.41	0.00352	17.41				
Darranga (Rangia)					0.00000	0.00			0.00156	36.07
Delhi (lcd)			0.00003	0.74	0.00003	0.74				
Delhi Air			0.00001	0.52	0.00001	0.52				
Ghajadanga			0.00048	2.31	0.00048	2.31	0.00087	4.51		
Golokgans Rly. Stn			0.03695	190.11	0.03695	190.11				
Gouriphanta			0.01092	89.37	0.01092	89.37				
Icd Kanakpura			0.00003	0.41	0.00003	0.41				
Icd Nagpur			0.00006	1.60	0.00006	1.60			0.00003	0.83
Icd Sabarmati					0.00000	0.00	0.00001	0.03	0.00003	0.83
Jaigaon	0.00003	0.42	0.01670	246.16	0.01673	246.58	0.00012	3.17	0.03307	828.46
Jogbani	0.00005	0.27	0.06420	491.95	0.06424	492.22	0.00213	17.29		
Joynagar			0.00054	4.10	0.00054	4.10				
Kandla Sea	0.02000	369.38			0.02000	369.38				
Kolkata Air			0.00000	0.00	0.00000	0.00				
Kolkata Sea			0.00000	0.16	0.00000	0.16	0.00006	2.19		
Krishnapatnam			0.00020	1.05	0.00020	1.05				
L C S Khunwa			0.00685	53.34	0.00685	53.34				
Laukaha, Madhubani			0.00004	0.24	0.00004	0.24				
Lcs Birpara Alipurduar			0.01087	90.84	0.01087	90.84				
Mahindra World City (Jaipur)			0.00000	0.02	0.00000	0.02				
Mankachar			0.00062	3.21	0.00062	3.21				
Mumbai Air				0.00	0.00000	0.00		0.00		
Mundra			0.00168	35.30	0.00168	35.30	0.00203	33.04	0.04312	1310.71
Nautanwa (Sonauli)	0.00757	43.98	0.15435	1164.04	0.16192	1208.01	0.00063	5.01	0.00000	0.01
Nepalganj	0.00022	1.73	0.03760	298.84	0.03781	300.57	0.00190	15.93	0.00008	0.84
Newmangalore Sea	0.03000	483.65			0.03000	483.65				
Nhava Sheva Sea			0.00076	26.59	0.00076	26.59	0.00004	2.06	0.00061	51.10
Panitanki			0.31362	2372.54	0.31362	2372.54	0.00612	35.42	0.00010	0.70
Petrapole Land	0.00161	9.96	0.00591	47.28	0.00752	57.23	0.00319	51.82	0.00011	1.33
Pipraun			0.00085	5.90	0.00085	5.90				
Raxaul Land	0.00013	0.86	0.11785	866.94	0.11798	867.81	0.00764	54.94	0.00007	0.50
Sonbarsa	0.00002	0.09	0.00524	40.90	0.00526	40.99				
Sutarkandi			0.03372	163.34	0.03372	163.34				
Toothibari, Maharajganj			0.00858	69.24	0.00858	69.24				
Tuticorin Sea					0.00000	0.00			0.00002	0.16
Unspecified					0.00000	0.00				
TOTAL	0.05978	911.89	1.24659	8587.98	1.30637	9499.87	0.02493	228.09	0.07894	2233.19

Source: DGCI & S , KOLKATA

Section

8

Washery Performance



COAL DIRECTORY OF INDIA 2018-19

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 in digenously go for use for metallurgical purpose.

8.1.5 Imported coking coal having low ash content is blended with indigenous coking coal

for better use. Moreover, indigenous coking coal is washed in different washeries owned by various coal companies and integrated steel plants to reduce the ash content to make it suitable for use

in the steel plant. In the process of washing, besides washed coal or clean coal by-products like middling and rejects/slurries are obtained. Middling so obtained is mostly used in the power sector.

8.2 Contribution of coal washeries

8.2.1 We have already explained the role of washeries in coal industry. Table 8.1 provides data on coking coal washeries in India in 2018-19. It may be seen that the total capacity of the coking coal washeries was 31.60 MTA. The share of public sector was 22.95 MTA and private sector 8.65 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 2016-17 and 2017-18 and 2018-19 having washed coking coal production of 6.413 MT and 5.973 MT, 5,570 MT respectively. The corresponding yield percentages were 43%, 46% 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 washeries for last three years.

TABLE 8.1: COKING COAL WASHERIES IN INDIA DURING 2018-19

Sector	Owner Company	Name of Washery	Year of Commissioning	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
		Moonidih	1983	Pr. Ckg.	Jharkhand	Jharia	1.60
		Mahuda	1990	Md. Ckg.	Jharkhand	Jharia	1.60
		Madhuband	1998	Pr. Ckg.	Jharkhand	Jharia	2.50
Total							11.00
Public	Central Coalfields Ltd.	Kathara	1969	Md. Ckg.	Jharkhand	Bokaro	3.00
		Swang	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.						21.55
Public	Steel Authority of India Ltd.	Chasnala	1969	Coking	Jharkhand	Dhanbad	1.40
Total Public							22.95
Private	Tata Steel Ltd.	W.Bokaro-II	1984	Md. Ckg.	Jharkhand	Ramgarh	2.50
		W.Bokaro-III	1994	Md. Ckg.	Jharkhand	Ramgarh	3.35
		Jamadoba	1957	Pr. Ckg.	Jharkhand	Jamaboda	1.30
		Bhelatand	1995	Pr. Ckg.	Jharkhand	Bhelatand	1.50
							8.65
Total Private							8.65
Grand Total							31.60

*Capacity of Mahuda washery under BCCL has been changed from 0.63 to 1.60 MTPA from Feb'19 onwards.

** Capacity of Bhelatand washery under TISCO has been changed from 1.00 to 1.50 MTPA

TABLE 8.2: COKING COAL WASHERY PERFORMANCE IN LAST THREE YEARS

(Quantity in Million Tonnes)

Year	Owner Company	Raw Coal Feed	Washed Coal	Yield (%)
			Prod.	Washed Coal
(1)	(2)	(3)	(4)	(5)
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
2016-17	BCCL	2.471	1.182	48
	CCL	3.310	1.139	34
	WCL	0.084	0.041	49
	Total CIL	5.865	2.362	40
	SAIL	1.258	0.712	57
	Total Public	7.123	3.074	43
	TSL (Private)	6.845	3.340	49
	Total Private	6.845	3.339	49
	Grand Total	13.968	6.413	46

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

TABLE 8.3: NON COKING COAL WASHERY IN INDIA DURING 2018-19

Sector	Owner Company	Name of Washery	Year of Commissioning	Feed Type	State	Location/Coal field	Raw Coal Capacity (MTPA)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Public	Central Coalfields Ltd.	Gidi	1970	Non-Coking	Jharkhand	Hazaribagh	2.50
		Piparwar	1997	Non-Coking	Jharkhand	Chatra	6.50
		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.	CHAKABUWA	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
	ARYAN ENERGY PVT. LTD.	TALCHER	2003	Non-Coking	Orissa	Talcher	2.34
		RKP	2014	Non-Coking	Telangana	Mandamarri	1.00
	GLOBAL COAL & MINING PVT. LTD	IB VALLEY	2006	Non-Coking	Orissa	Ib valley	3.50
		RAMAGUNDAM	2004	Non-Coking	Telangana	Ramagundam	1.00
		TALCHER	2002	Non-Coking	Orissa	Talcher	4.00
		MANUGURU	2009	Non-Coking	Telangana	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		3.33
	SPECTRUM COAL & POWER LTD	RATIJA	1999	Non-Coking	Chhatisgarh	Korba	11.00
Talcher		2015	Non-Coking	Orissa	Bharatpur	9.52	
Total Private							99.61
Grand Total							111.33

* Capacity of Adani Enterprise Ltd. washery has been changed from 10.00 to 15.00 MTPA from February'19 onwards.

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)
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
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
2016-17	CCL	9.304	8.942	96.11
	NCL	3.462	3.155	91.15
	Total CIL	12.766	12.097	94.76
	Total Public	12.766	12.097	94.76
	ADANI ENTERPRISES LTD.	8.267	7.415	89.69
	ARYAN COAL BENEFICATION PVT.LTD.	14.682	11.863	80.80
	ARYAN ENERGY PVT. LTD.	1.846	1.285	69.59
	GLOBAL COAL & MINING PVT. LTD.	4.482	3.083	68.79
	JINDAL POWER LIMITED	0.506	0.379	74.98
	SPECTRUM COAL & POWER LTD.	11.408	9.000	78.89
	Total Private	41.190	33.025	80.18
Grand Total	53.956	45.122	83.63	

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.

Section

9

Captive Mining Blocks



COAL DIRECTORY OF INDIA 2018-19

Section IX

9.1 Captive Coal Blocks & Lignite Blocks

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 2018-19 Dulunga, Tadecherla-I, Barjora, Gare Palma IV/8 and Ardhamgram captive coal block of NTPC, TSGENCO, WBPDC, Ambuja Cements Ltd & OCL Iron & Steel Ltd. started coal production. Another 13 captive coal blocks vested/ allotted and 3 captive coal blocks under CIL produced coal. Production of Coal was 54.85 MT in 2018-19 from these total 21 captive coal blocks.

9.1.5 Under the "Auction by Competitive Bidding Rules, 2012", 13 regionally explored coal blocks have been allotted to Central/State Government companies.

9.1.6 In 2018-19 CMDPA of 2 coal blocks have been terminated. And 5 captive coal blocks allocated to CIL for commercial purpose.

9.1.7 Therefore, as on 31.03.2019, number of coal blocks stands exist are 110 (vested/ allotted - 80 + Custodian - 7 + Under Auction by Competitive Bidding Rules, 2012 - 13 and blocks not cancelled - 10).

9.1.8 As on 31.03.2019, number of lignite blocks stands allocated are 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 2018-19

Sector	End Use	No of blocks	Geological/Extractable Reserves (Qty. in MT)
(1)	(2)	(3)	(4)
A. COAL BLOCKS			
Public Sector Undertakings	Power	53	15422.13
	Commercial Mining	20	2147.20
	NRS	4	474.23
	UMPP	1	100.00
	TOTAL	77	18043.56
Private Companies	Power	7	388.73
	UMPP	7	3630.54
	NRS	18	351.06
	TOTAL	32	4370.33
ALL INDIA	Power	60	15810.86
	Commercial Mining	20	2147.20
	UMPP	8	3730.54
	NRS	22	825.29
	TOTAL	110	22513.89
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 2018-19

(GR in Million Tonnes)

Year of Allotment	Power		Ultra Mega Power Project		Non Regulated Sector		Govt. Commercial		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)	(14)	(15)
1996					1	251.88			1	251.88
1998									0	0.00
2004	1	1436.00							1	1436.00
2006			2	575.00					2	575.00
2007			1	916.52					1	916.52
2008			1	100.00					1	100.00
2009			3	1339.02					3	1339.02
2010			1	800.00					1	800.00
2015	49	10420.11			17	332.13	7	364.86	73	11117.10
2016	9	3561.15			4	241.28	8	1531.95	21	5334.38
2017	1	393.60							1	393.60
2018							2	250.39	2	250.39
2019							3	NA	3	NA
Total	60	15810.86	8	3730.54	22	825.29	20	2147.20	110	22513.89

Note :

GR=Geological Reserves as estimated during allocation.

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 2018-19

(GR in Million Tonnes)

State	Power		Ultra Mega Power Project		Non Regulated Sector		Govt. Commercial		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	4.79	1	4.79
Telangana	1	45.36					1	110.87	2	156.23
Chhattisgarh	12	4116.55	2	1113.67	4	119.07	5	625.04	23	5974.33
Jharkhand	16	5075.15	2	1141.87	9	449.99	6	450.39	33	7117.40
Maharashtra	7	430.35	1	100.00	4	31.12	1	11.54	13	573.01
Madhya Pradesh	3	995.88	2	575.00	2	34.81	3	152.67	10	1758.36
Orissa	11	4818.29	1	800.00	2	171.37	2	660.90	16	6450.56
West Bengal	10	329.28			1	18.93	1	131.00	12	479.21
Total	60	15810.86	8	3730.54	22	825.29	20	2147.20	110	22513.89

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 2018-19

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	5.15	Chairman, CIL (Custodian)	PSU(C)	Commercial
7	Gotitoria (West)	1	MP	6.53	Chairman, CIL (Custodian)	PSU(C)	Commercial
TOTAL MADHYAPRADESH		2		11.67			
TOTAL		7		364.86			

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 9.5: 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 *	Tentuloi	Odisha	Odisha Thermal Power Corp Ltd	1	Allotted	31.03.2015	1234.00	Power
3	Gondbahera Ujjeni	Madhya Pradesh	Madhya Pradesh Power Generating Company Ltd.	1	Allotted	31.03.2015	532.00	Power
4 *	Kudanali-Luburi	Odisha	NTPC Ltd. and Jammu & Kashmir State Power Development Corp Ltd	1	Allotted	31.03.2015	396.00	Power
5	Banai	Chattisgarh	NTPC Ltd	1	Allotted	31.03.2015	629.00	Power
6	Bhalumuda	Chattisgarh	NTPC Ltd	1	Allotted	31.03.2015	550.00	Power
7	Sarapal-Nuapara	Odisha	Andhra Pradesh Power Generation Corp Ltd	1	Allotted	24.02.2016	701.00	Power
8	Chandrabila	Odisha	Tamil Nadu Generation & Distribution Corp Ltd	1	Allotted	24.02.2016	550.00	Power
9	Mahajanwadi	Maharashtra	Maharashtra Power Generation Corp Ltd	1	Allotted	24.02.2016	340.00	Power
10	Kalyanpur-Badalpara	Jharkhand	Haryana Power Generation Corp Ltd	1	Allotted	24.02.2016	102.00	Power
11	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
12	Brahmani	Odisha	Orissa Minerals Development Company	1	Allotted	21.07.2016	58.90	Commercial Mining
13	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				13			5684.84	

* Sl.No. 2 : Allocation Cancelled vide MOC's letter No. CAI-13016/2/2017-CAI (FTS : 333462) dated 10.07.2019

* Sl.No. 4 : Allocation Cancelled vide MOC's letter No. CBAI-13016/4/2017-CBAI (FTS : 334127) dated 19.08.2019

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	Pindrakhi	1	CH	421.51	09.09.09	Akaltara Power Ltd.	P	UMPP
2	Putra Parogia	1	CH	692.16	09.09.09	Akaltara Power Ltd.	P	UMPP
TOTAL CHHATTISGARH UMPP		2		1113.67				
3	Pakri-Barwadih	1	JH	1436.00	11.10.04	NTPC	PSU(C)	Power
TOTAL JHARKHAND POWER		1		1436.00				
4	Tasra	1	JH	251.88	26.02.96	Steel Authority of India Ltd.	PSU(C)	NRS
TOTAL JHARKHAND NRS		1		251.88				
5	Kerandari BC	1	JH	916.52	20.07.07	Power Finance Corporation Talaiy UMPP Jharkhand	P	UMPP
6	Mourya	1	JH	225.35	26.06.09	Karanpura Energy Ltd.(SPV of JSEB)	P	UMPP
TOTAL JHARKHAND UMPP		2		1141.87				
7	Bhivkund	1	MH	100.00	17.07.08	MAHAGENCO	P	UMPP
TOTAL MAHARASHTRA UMPP		1		100.00				
8-9	Moher, Moher-Amlori Extn.	2	MP	575.00	13.09.06	Power Finance Corporation Sasan UMPP	P	UMPP
TOTAL MADHYAPRADESH UMPP		2		575.00				
10	Bankui	1	OR	800.00	21.06.10	Sakshigopal Integrated Power Co Ltd.	P	UMPP
TOTAL ORISSA UMPP		1		800.00				
TOTAL		10		5418.420				

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 2018-19

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(C)/private)	End –Use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(8)	(9)	(10)	(11)	(12)
1	Tadicherla-I	III	1	Telangana	45.36	31.08.15	Allotted	Telangana State Power Generation Corp. 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
4	Talaipalli	III	1	CH	861.25	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
5-6	Gidhmuri & Paturia	III	2	CH	257.83	13.10.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
7	Parsa	III	1	CH	184.26	08.09.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
8	Gare Pelma Sector II	III	1	CH	655.15	31.08.15	Allotted	Maharashtra State Power Generation Co Ltd	PSU(S)	Power
9-10	Parsa East & Kanta Basan	II	2	CH	450.97	31.03.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
11	Gare Palma Sector-III	III	1	CH	134.09	14.09.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
TOTAL CHHATTISGARH POWER			9		2737.55					
12	Madanpur South		1	CH	175.24	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corp. Ltd.	PSU(S)	Commercial
TOTAL CHHATTISGARH COMMERCIAL			1		175.24					
13	Gare-Palma- IV/4	II	1	CH	12.30	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
14	Gare-Palma-IV/5	II	1	CH	42.43	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
15	Chotia	II	1	CH	18.49	23.03.15	Vested	Bharat Aluminium Company Ltd.	P	NRS
16	Gare Palma IV/8	III	1	CH	45.85	22.04.15	Vested	Ambuja Cements Ltd.	P	NRS
TOTAL CHHATTISGARH NRS			4		119.07					
17	Tokisud North	II	1	JH	51.97	23.03.15	Vested	Essar Power MP Ltd.	P	Power
18	Jitpur	III	1	JH	65.54	22.04.15	Vested	Adani Power Ltd.	P	Power
19	Ganeshpur	III	1	JH	91.80	22.04.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
20-21	Chatti Bariatu, Chatti Bariatu South	III	2	JH	390.96	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
22	Saharpur Jamarpani	III	1	JH	524.00	13.08.15	Allotted	UP Rajya Vidyut Utpadan Nigam Ltd.	PSU(C)	Power
23	Pachwara Central	II	1	JH	239.75	31.03.15	Allotted	Punjab State Power Corp. Ltd.	PSU(S)	Power
24	Badam	III	1	JH	90.50	31.08.15	Allotted	Bihar State Power Generation Co. Ltd.	PSU(S)	Power
25	Pachwara North	II	1	JH	392.75	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
26	Rajbar E & D	III	1	JH	526.05	30.06.15	Allotted	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
27	Banhardih	III	1	JH	553.00	30.06.15	Allotted	Jharkhand Urja Utpadan Nigam Ltd.	PSU(S)	Power
28	Kerandari	III	1	JH	142.01	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
29	Tubed	III	1	JH	189.82	08.06.16	Allotted	Damodar Valley Corporation Ltd.	PSU(C)	Power
TOTAL JHARKHAND POWER			13		3258.15					

Contd.....

Table 9.7 : Statewise List of captive coal blocks stand vested/allocated during 2018-19

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(C)/private)	End –Use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(8)	(9)	(10)	(11)	(12)
30	Patal East		1	JH	200.00	29.09.16	Allotted	Jharkhand Mineral Development Corporation Ltd.	PSU(S)	Commercial
31-32	Kotre Basantpur & Pachmo		2	JH	250.39	19.04.18	Allotted	Coal India Ltd.	PSU(C)	Commercial
33	Amarkonda Murgadangal		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial
34	Brahmini		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial
35	Chichro Patsimal		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial
TOTAL JHARKHAND COMMERCIAL			6		450.39					
36	Moitra	III	1	JH	29.91	22.04.15	Vested	JSW Steel Ltd.	P	NRS
37-38	Brinda & Sasai	III	2	JH	25.40	22.04.15	Vested	Usha Martin Ltd	P	NRS
39	Meral	III	1	JH	12.67	22.04.15	Vested	Trimula Industries Ltd.	P	NRS
40	Parbatpur Central	II	1	JH	50.98	23.03.16	Allotted	Steel Authority of India Ltd	PSU(C)	NRS
41	Lohari	III	1	JH	9.05	22.04.15	Vested	Araanya Mines Private Ltd.	P	NRS
42	Kathautia	II	1	JH	23.96	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
43	Dumri	III	1	JH	46.14	22.04.15	Vested	Hindalco Industries Ltd.	P	NRS
TOTAL JHARKHAND NRS			8		198.11					
44-49	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					
50	Marki Mangli III	II	1	MH	3.58	17.04.15	Vested	B.S. Ispat Ltd.	P	NRS
51	Nerad Malegaon	III	1	MH	10.62	22.04.15	Vested	Indrajit Power Pvt. Ltd.	P	NRS
52	Marki Mangli-I	II	1	MH	9.78	30.09.15	Vested	Topworth Urja and Metals Ltd.	P	NRS
53	Belgaon	II	1	MH	7.14	23.03.15	Vested	Sunflag Iron and Steel Co. Ltd	P	NRS
TOTAL MAHARASHTRA NRS			4		31.12					
54	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
55	Amelia (North)	II	1	MP	70.28	23.03.15	Vested	Jaiprakash Power Ventures Ltd.	P	Power
TOTAL MADHYAPRADESH POWER			2		463.88					
56	Sial Ghogri	II	1	MP	5.69	23.03.15	Vested	Reliance Cement Company Pvt. Ltd.	P	NRS
57	Bicharpur	II	1	MP	29.12	23.03.15	Vested	UltraTech Cement Ltd.	P	NRS
TOTAL MADHYAPRADESH NRS			2		34.81					
58	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					
59	Talabira-I	II	1	Orissa	10.79	23.03.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
60	Dulanga	III	1	Orissa	152.05	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
61-62	Manoharpur & Dipside of Manoharpur	III	2	Orissa	152.12	31.08.15	Allotted	Odisha Coal & Power Ltd.	PSU(S)	Power
63	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 2018-19

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
(1)	(2)	(3)	(4)	(5)	(6)	(8)	(9)	(10)	(11)	(12)
64	Talabira II & III	I	1	Orissa	152.33	02.05.16	Allotted	Neyveli Lignite Corporation Ltd.	PSU(C)	Power
65	Mandakini B	I	1	Odisha	1200.00	15.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
TOTAL ORISSA POWER			7		1937.29					
66-67	Utkal E & D	III	2	Orissa	171.37	02.05.16	Allotted	NALCO	PSU(C)	NRS
TOTAL ORISSA NRS			2		171.37					
68	Baitarni West	I	1	Orissa	602.00	29.09.16	Allotted	Odisha Mining Corporation Ltd.	PSU(S)	Commercial
TOTAL ORISSA COMMERCIAL			1		602.00					
69	Trans Damodar	II	1	WB	47.32	23.03.15	Vested	The Durgapur Projects Ltd.	P	Power
70	Sarshatolli	II	1	WB	51.03	23.03.15	Vested	CESC Ltd.	P	Power
71	Barjora (North)	II	1	WB	56.57	31.03.15	Allotted	WBPDCCL	PSU(C)	Power
72	Khagra Joydev	II	1	WB	103.80	31.03.15	Allotted	Damodar Valley Corporation	PSU(C)	Power
73-74	Tara (East) and Tara (West)	II	2	WB	11.06	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
75-76	Gangaramchak & Gangaramchak Bhadulia	II	2	WB	11.05	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
77	Barjora	II	1	WB	1.45	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
78	Kasta East	III	1	WB	47.00	16.05.16	Allotted	WBPDCCL	PSU(S)	Power
TOTAL WEST BENGAL POWER			10		329.28					
79	Ardhagram	II	1	WB	18.93	14.07.16	Vested	OCL IRON AND STEEL LTD.	P	NRS
TOTAL WEST BENGAL NRS			1		18.93					
80	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					
TOTAL			80		11045.77					

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 2018-19

Sl.No.	Block allocated	Sche dule	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)	(8)	(9)	(10)	(11)	(12)
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	ODI	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	Parbatpur Central	II	1	JH	50.98	23.03.16	Allotted	Steel Authority of India Ltd	PSU(C)	NRS
27-28	Utkal E & D	III	2	ODI	171.37	02.05.16	Allotted	NALCO	PSU(C)	NRS
TOTAL PSU NRS			3		222.35					
29	Tubed	III	1	JH	189.82	08.06.16	Allotted	Damodar Valley Corporation	PSU(C)	Power
30	Talaipalli	III	1	CH	861.25	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
31-32	Chatti Bariatu, Chatti Bariatu South	III	2	JH	390.96	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 2018-19

Sl.No.	Block allocated	Sche dule	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)	(8)	(9)	(10)	(11)	(12)
33	Saharpur Jamarpani	III	1	JH	524.00	13.08.15	Allotted	UP Rajya Vidyut Utpadan Nigam Ltd.	PSU(C)	Power
34	Dulanga	III	1	ODI	152.05	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
35	Naini	III	1	ODI	270.00	13.08.15	Allotted	The Singareni Collieries Co. Ltd.	PSU(C)	Power
36	Barjora (North)	II	1	WB	56.57	31.03.15	Allotted	WBPDCCL	PSU(C)	Power
37	Khagra Joydev	II	1	WB	103.80	31.03.15	Allotted	Damodar Valley Corporation	PSU(C)	Power
38	Tadicherla-I	III	1	TLGN	45.36	31.08.15	Allotted	Telengana State Power Generation Corpn. Ltd.	PSU(S)	Power
39	Gare Palma Sector-I	III	1	CH	194.00	14.09.15	Allotted	Gujarat State Electricity Corporation Limited	PSU(S)	Power
40-41	Gidhmuri & Paturia	III	2	CH	257.83	13.10.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
42	Parsa	III	1	CH	184.26	08.09.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
43	Gare Pelma Sector II	III	1	CH	655.15	31.08.15	Allotted	Maharashtra State Power Generation Co Ltd	PSU(S)	Power
44-45	Parsa East & Kanta Basan	II	2	CH	450.97	31.03.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
46	Gare Palma Sector-III	III	1	CH	134.09	14.09.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
47	Pachwara Central	II	1	JH	239.75	31.03.15	Allotted	Punjab State Power Corp. Ltd.	PSU(S)	Power
48	Badam	III	1	JH	90.50	31.08.15	Allotted	Bihar State Power Generation Co. Ltd.	PSU(S)	Power
49	Pachwara North	II	1	JH	392.75	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
50	Rajbar E&D	III	1	JH	526.05	30.06.15	Allotted	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
51	Banhardih	III	1	JH	553.00	30.06.15	Allotted	Jharkhand Urja Utpadan Nigam Ltd.	PSU(S)	Power
52-57	Baranj – I, II, III, IV, Kiloni & Manora Deep	II	6	MH	90.35	31.03.15	Allotted	Karnataka Power Corporation Ltd	PSU(S)	Power
58-59	Manoharpur & Dipside of Manoharpur	III	2	ODI	152.12	31.08.15	Allotted	Odisha Coal & Power Ltd.	PSU(S)	Power
60-61	Tara (East) and Tara (West)	II	2	WB	11.06	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
62-63	Gangaramchak & Gangaramchak Bhadulia	II	2	WB	11.05	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
64	Barjora	II	1	WB	1.45	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
65	Kerandari	III	1	JH	142.01	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
66	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
67	Talabira-II & III	I	1	ODI	152.33	02.05.16	Allotted	Neyveli Lignite Corporation Ltd.	PSU(C)	Power
68	Mandakini B	I	1	ODI	1200.00	15.09.16	Allotted	NTPC Ltd.	PSU(C)	Power
69	Kasta East	III	1	WB	47.00	16.05.16	Allotted	WBPDCCL	PSU(S)	Power
TOTAL PSU POWER			41		8473.13					

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Table 9.8: Sectorwise List of Captive Coal Blocks stand Vested/Allocated during 2018-19

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)	(8)	(9)	(10)	(11)	(12)
70	Baitarni West	I	1	ODI	602.00	29.09.16	Allotted	Odisha Mining Corporation Ltd.	PSU(S)	Commercial
71	Penagaddppa		1	TLGN	110.87	15.12.16	Allotted	M/s. Singareni Collieries Co. Ltd.	PSU(C)	Commercial
72	Madanpur South		1	CH	175.24	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corp. Ltd.	PSU(S)	Commercial
73	Patal East		1	JH	200.00	29.09.16	Allotted	Jharkhand Mineral Development Corporation Ltd.	PSU(S)	Commercial
74	Suliyari		1	MP	141.00	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corporation Ltd.	PSU(S)	Commercial
75	Gourangdih ABC		1	WB	131.00	29.09.16	Allotted	West Bengal Mineral Development & Trading Corp. Ltd.	PSU(S)	Commercial
76-77	Kotre Basantpur & Pachmo		2	JH	250.39	19.04.18	Allotted	Coal India Ltd.	PSU(C)	Commercial
78	Amarkonda Murgadangal		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial
79	Brahmini		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial
80	Chichro Patsimal		1	JH	NA	24.01.19	Allotted	Coal India Ltd.	PSU(C)	Commercial
TOTAL PSU COMMERCIAL			11		1610.50					
ALL TOTAL			80		11045.77					

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.

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

Year	Target / Achievement	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	25.74	11	9.48	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 2018-19 ALONG WITH PROJECTION MADE AT CCO

Year	Target / Achievement	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	22.70	5	3.27	2	2.00	13	27.97
2015-16	Achvmt	6	25.67	4	3.15	2	2.28	12	31.10
2016-17	Target	12	33.50	11	7.60	2	5.00	25	46.10
2016-17	Achvmt	7	27.38	6	5.16	2	4.90	15	37.43
2017-18	Target	8	43.54	9	7.80	3	12.25	20	63.59
2017-18	Achvmt	7	31.16	7	5.72	3	4.42	17	41.30
2018-19	Target	11	50.35	9	5.20	3	11.25	23	66.80
2018-19	Achvmt	12	51.75	9	3.11	0	0.00	21	54.85

Table - 9.11 : LIGNITE BLOCKS STAND ALLOCATED DURING 2018-19

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	RRVNL	1	Pub	91.99	Power	Producing
8	Rajasthan	13.11.2006	Jalipa	RSMML	1	Pub	316.28	Power	Non-producing
9	Rajasthan	13.11.2006	Shivkar-Kurla	RSMML	1	Pub	112.00	Power	Non-producing
10	Rajasthan	13.11.2006	Sachcha Sauda	RSMML	1	Pub	28.70	Power	Non-producing
	Rajasthan		Total		10		792.49		
Grand Total					23		1555.33		

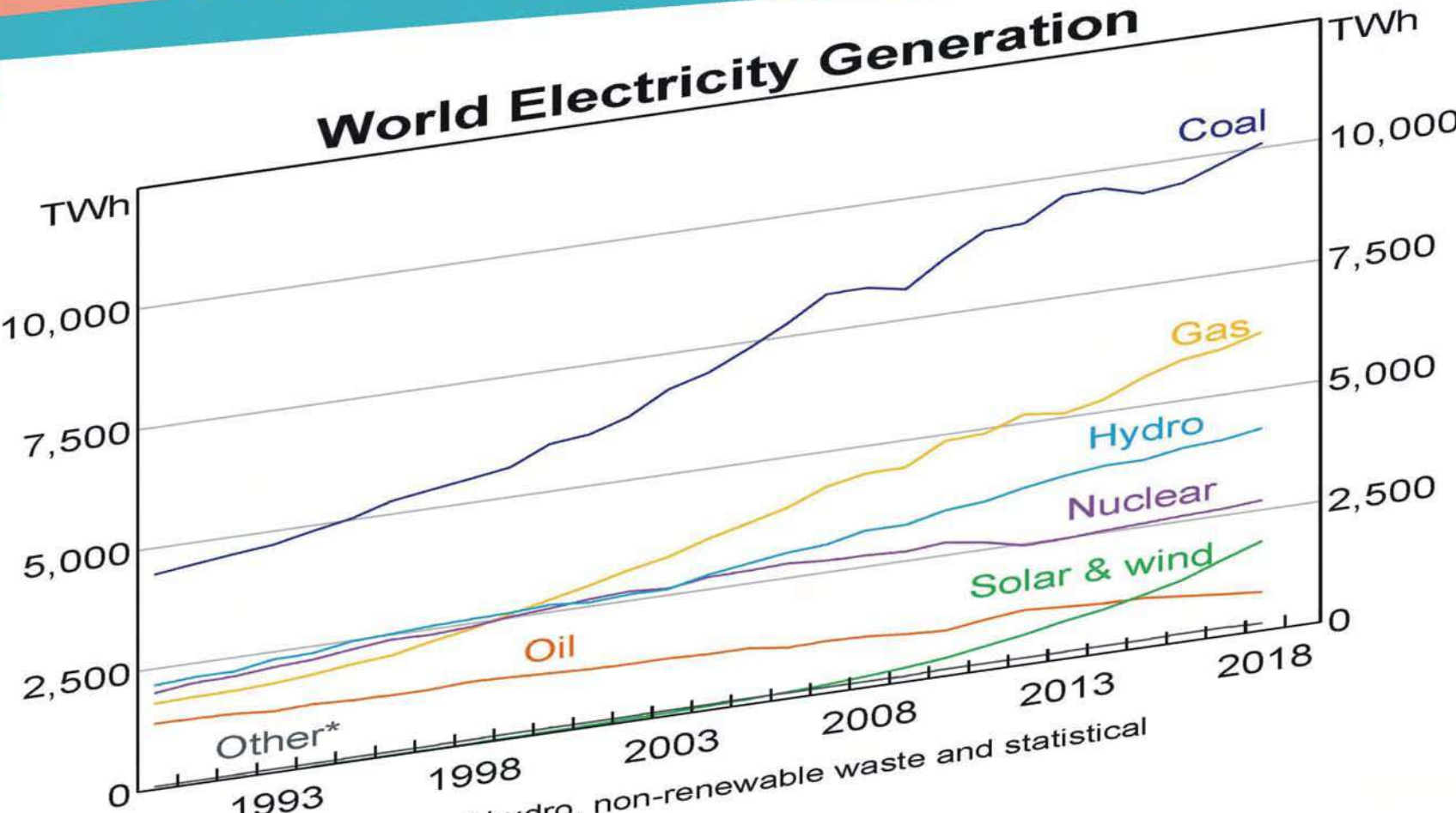
Note: GR of Kharsaliya etc. is estimated from inferred GR.

Section

10

World Coal Statistics

World Electricity Generation



* Includes pumped hydro, non-renewable waste and statistical discrepancies
Sources: BP (2019a); RBA

COAL DIRECTORY OF INDIA 2018-19

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 USA (23.72%), Russian Federation (15.20%), Australia (13.98%), China (13.16%) and India (9.61%). These five countries together account for 75.67% of total world coal reserves.

Statement 10.1: World Proved Coal and Lignite Reserve (MT) at the end of 2019		
Country / Group	Reserve	% Share
US	250219	23.72%
Russian Federation	160364	15.20%
Australia	147435	13.98%
China	138819	13.16%
India	101363	9.61%
Indonesia	37000	3.51%
Germany	36103	3.42%
Ukraine	34375	3.26%
Poland	26479	2.51%
Kazakhstan	25605	2.43%
Others	97020	9.20%
Total World	1054782	100.00%

Source: International Energy Agency (IEA).

10.2 Production

10.2.1 In the World, in 2018, production of coal and lignite was 6787.465 MT and 803.192 MT respectively. In 2017, production of coal and lignite was 6489.33. MT and 831.06 MT respectively. Statement 10.2 shows main coal and lignite producing countries during 2018. In this Statement it can be seen that the top six positions are occupied by China (3337.38 MT), India (717.09 MT), US (633.04 MT), Indonesia (548.58 MT), Australia (437.18 MT) and Russian Federation (338.41 MT) and these six countries together account for about 88.57% of total world coal and lignite production whereas China alone accounts for 49.17% of the world coal and lignite production.

Statement 10.2: World Coal Production (MT) in 2018		
Country / Group	Production	% Share
P R of China	3337382	49.17%
India	717090	10.56%
United States	633043	9.33%
Indonesia	548582	8.08%
Australia	437177	6.44%
Russian Federation	338414	4.99%
South Africa	258666	3.81%
Kazakhstan	107262	1.58%
Colombia	83036	1.22%
Poland	63384	0.93%
Others	263429	3.88%
World	6787465	100.00%

10.2.2 World Coking Coal production during 2018 is given in Statement 10.3.

Statement 10.3: World Coking Coal Production (MT) in 2018		
Country	Production	% Share
P R of China	523714	50.68%
Australia	179350	17.36%
Russian Federation	92977	9.00%
United States	71947	6.96%
India	49150	4.76%
Mongolia	27417	2.65%
Canada	27361	2.65%
Poland	12040	1.17%
Kazakhstan	10816	1.05%
Mozambique	6161	0.60%
Others	32343	3.13%
World	1033276	100.00%

Source: International Energy Agency (IEA).

10.2.3 Statement 10.4 provides world lignite production during 2018 by major lignite producing countries.

Country	Production	% Share
Germany	166258	20.70%
Turkey	85200	10.61%
Russian Federation	81379	10.13%
Poland	58571	7.29%
United States	51744	6.44%
Australia	45956	5.72%
India	45344	5.65%
Czech Republic	39490	4.92%
Serbia	37649	4.69%
Greece	36145	4.50%
Others	155456	19.35%
World	803192	100.00%

Source: International Energy Agency (IEA)

10.3 Import and Export

10.3.1 In 2018, world coal import was 1418.61MT against 1313.14 MT in 2017. In 2018, import of coking coal and steam coal was 299.74 MT and 1859.09 MT respectively. Import of lignite was 5.37 MT. Statement 10.5 shows major country wise import of coking coal and steam coal during 2018.

Country	Import		Total Coal
	Coking Coal	Non Coking Coal	
P R of China	64718	230701	295419
India	51837	188353	240190
Japan	46722	138341	185064
Korea	36482	105518	142000
Chinese Taipei	7069	59444	66513
Germany	12370	32002	44372
Turkey	6837	31492	38329
Malaysia	0	32987	32987
Russian Federation	749	25317	26066
Thailand	0	24721	24721
Philippines	0	24124	24124
Viet Nam	0	22385	22385
Ukraine	13551	7837	21388
Brazil	11252	9734	20986
Others	48153	185909	234062
World	299740	1118866	1418606

10.3.2. In 2018, total coal export was 1404.19 MT against 1316.98 MT in 2017. During 2018, export of coking coal was 336.77 MT, steam coal 1067.42 MT and lignite 15.92 MT. Statement 10.6 shows major country wise export of coal during 2018.

Country	Export		Total Coal
	Coking Coal	Non Coking Coal	
Indonesia	3564	435397	438961
Australia	179243	202702	381945
Russian Federation	26422	172625	199047
United States	55804	49066	104870
Colombia	2380	79543	81923
South Africa	1153	68155	69308
Mongolia	25699	7846	33545
Canada	28916	933	29849
Kazakhstan	916	22171	23087
Mozambique	6240	5393	11633
P R of China	1078	4881	5959
Poland	2923	1978	4901
Philippines	0	4753	4753
Viet Nam	0	2396	2396
Czech Republic	1146	748	1894
India	0	1379	1379
Others	1282	7455	8737
World	336765	1067421	1404186

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 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%	121	* More than 500 years.
Mexico	1160	51	1211	0.1%	89	♦ Less than 0.05%.
US	220167	30052	250219	23.7%	365	
Total North America	225673	32339	258012	24.5%	342	
Brazil	1547	5049	6596	0.6%	*	Notes: Total proved reserves of coal- Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. The data series for total proved coal reserves does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at company level, for instance as published by the US Securities and Exchange Commission, nor does it necessarily represent BP's view of proved reserves by country.
Colombia	4881	-	4881	0.5%	58	
Venezuela	731	-	731	0.1%	*	
Other S. & Cent. America	1784	24	1808	0.2%	*	
Total S. & Cent. America	8943	5073	14016	1.3%	158	
Bulgaria	192	2174	2366	0.2%	78	
Czech Republic	110	2547	2657	0.3%	61	
Germany	3	36100	36103	3.4%	214	
Greece	-	2876	2876	0.3%	79	
Hungary	276	2633	2909	0.3%	368	
Poland	20542	5937	26479	2.5%	216	
Romania	11	280	291	♦	12	
Serbia	402	7112	7514	0.7%	199	
Spain	868	319	1187	0.1%	433	
Turkey	551	10975	11526	1.1%	139	
Ukraine	32039	2336	34375	3.3%	*	
United Kingdom	29	-	29	♦	11	
Other Europe	1109	5172	6281	0.6%	189	Reserves-to-production (R/P) ratio -
Total Europe	56132	78461	134593	12.8%	215	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.
Kazakhstan	25605	-	25605	2.4%	217	
Russian Federation	69634	90730	160364	15.2%	364	
Uzbekistan	1375	-	1375	0.1%	125	
Other CIS	1509	-	1509	0.1%	358	
Total CIS	98123	90730	188853	17.9%	329	
South Africa	9893	-	9893	0.9%	39	
Zimbabwe	502	-	502	♦	165	
Other Africa	2756	66	2822	0.3%	164	Reserves-to-production (R/P) ratios are calculated excluding other solid fuels in reserves and production.
Middle East	1203	-	1203	0.1%	*	
Total Middle East & Africa	14354	66	14420	1.4%	53	
Australia	70927	76508	147435	14.0%	304	
China	130851	7968	138819	13.2%	38	Shares of total and R/P ratios are calculated using million tonnes figures.
India	96468	4895	101363	9.6%	132	
Indonesia	26122	10878	37000	3.5%	67	
Japan	340	10	350	♦	336	
Mongolia	1170	1350	2520	0.2%	46	
New Zealand	825	6750	7575	0.7%	*	
Pakistan	207	2857	3064	0.3%	*	
South Korea	326	-	326	♦	271	
Thailand	-	1063	1063	0.1%	72	
Vietnam	3116	244	3360	0.3%	81	
Other Asia Pacific	1326	687	2013	0.2%	38	
Total Asia Pacific	331678	113210	444888	42.2%	79	
Total World	734903	319879	1054782	100.0%	132	
of which: OECD	322234	177484	499718	47.4%	291	
Non-OECD	412669	142395	555064	52.6%	89	
European Union	22612	53356	75968	7.2%	171	

Source: Federal Institute for Geosciences and Natural Resources (BGR) Energy Study 2019.

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

(Quantity In Million Tonnes Oil Equivalent)

Countries	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	Change 2018 over 2017	Average Growth Rate Per Aannum 2007-17	2018 Share of Total
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Canada	64.6	68.0	67.5	67.1	68.0	67.9	62.0	62.4	60.9	54.6	-10.3%	-1.2%	0.7%
Mexico	12.7	15.3	19.6	15.2	14.6	14.9	12.3	11.4	12.9	13.5	4.7%	-1.6%	0.2%
US	975.2	983.7	993.9	922.1	893.4	907.2	813.7	660.8	702.7	685.4	-2.5%	-3.8%	8.6%
Total North America	1052.5	1067.0	1081.0	1004.4	976.1	990.1	888.0	734.5	776.5	753.5	-3.0%	-3.6%	9.4%
Brazil	6.2	5.6	6.0	6.4	8.0	7.7	6.4	5.9	4.3	2.7	-37.4%	-3.2%	♦
Colombia	72.8	74.4	85.8	89.0	85.5	88.6	85.5	90.5	90.5	84.3	-6.9%	2.6%	1.1%
Venezuela	3.3	2.6	2.6	1.9	1.2	0.8	0.8	0.5	0.5	0.2	-49.8%	-23.8%	♦
Other S. & Cent. America	0.9	0.8	0.9	1.0	3.2	4.5	3.4	2.8	1.8	1.6	-11.1%	13.5%	♦
Total S. & Cent. America	83.1	83.4	95.3	98.4	97.9	101.5	96.1	99.7	97.1	88.8	-8.5%	1.6%	1.1%
Bulgaria	27.3	29.4	37.1	33.4	28.6	31.3	35.9	31.3	34.3	30.5	-11.2%	1.8%	0.4%
Czech Republic	56.4	55.4	58.1	55.2	49.1	47.1	46.5	45.5	44.9	43.8	-2.6%	-3.3%	0.5%
Germany	183.6	182.3	188.6	196.2	190.6	185.8	184.3	175.4	175.1	169.0	-3.5%	-1.4%	2.1%
Greece	64.9	56.5	58.7	63.0	53.9	50.8	46.2	32.6	37.7	36.5	-3.3%	-5.5%	0.5%
Hungary	9.0	9.1	9.6	9.3	9.6	9.6	9.3	9.2	8.0	7.9	-0.8%	-2.1%	0.1%
Poland	135.2	133.2	139.3	144.1	142.9	137.1	135.8	131.0	127.1	122.4	-3.7%	-1.4%	1.5%
Romania	34.0	31.1	35.5	33.9	24.7	23.6	25.5	23.0	25.8	23.7	-7.9%	-3.2%	0.3%
Serbia	38.8	37.9	40.8	38.2	40.3	29.8	37.8	38.5	39.9	37.7	-5.5%	0.6%	0.5%
Spain	9.4	8.4	6.6	6.2	4.4	3.9	3.1	1.7	3.0	2.7	-8.0%	-16.1%	♦
Turkey	79.5	73.4	76.0	71.5	60.4	65.2	58.4	73.0	74.1	84.5	14.1%	-0.2%	1.1%
Ukraine	74.4	77.3	85.2	87.3	84.8	64.0	38.5	41.7	34.2	34.4	0.8%	-7.8%	0.4%
United Kingdom	17.9	18.3	18.6	17.0	12.8	11.6	8.6	4.2	3.0	2.6	-15.1%	-15.8%	♦
Other Europe	66.0	68.5	70.4	63.2	72.2	67.8	62.2	58.9	62.5	67.8	8.5%	0.4%	0.8%
Total Europe	796.4	780.9	824.3	818.4	774.2	727.8	692.1	666.2	669.6	663.6	-0.9%	-2.2%	8.3%
Kazakhstan	100.9	110.9	116.4	120.5	119.6	114.0	107.3	103.1	112.3	117.8	4.9%	1.4%	1.5%
Russian Federation	302.4	322.9	337.4	358.3	355.2	357.4	372.6	386.6	412.5	441.3	7.0%	2.7%	5.5%
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	3.7	3.3	3.8	4.0	4.1	4.4	4.0	10.2	12.4	11.0	-11.4%	13.7%	0.1%
Other CIS	3.0	3.1	3.8	4.3	4.2	4.1	4.0	4.7	5.7	6.3	10.2%	6.3%	0.1%
Total CIS	409.9	440.3	461.5	487.1	483.1	479.9	487.9	504.6	543.0	576.4	6.2%	2.6%	7.2%
Total Middle East	1.6	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.6	-	-2.9%	♦
South Africa	247.8	254.5	252.8	258.6	256.3	261.5	252.1	251.2	252.3	252.7	0.2%	0.2%	3.2%
Zimbabwe	1.7	2.7	2.6	1.6	3.1	5.8	4.3	2.7	2.9	3.0	3.9%	3.5%	♦
Other Africa	1.3	1.8	2.0	7.1	8.3	9.4	9.6	8.8	16.6	17.2	3.4%	28.2%	0.2%
Total Africa	250.8	258.9	257.3	267.3	267.7	276.7	266.0	262.8	271.8	272.9	0.4%	0.8%	3.4%
Australia	422.5	434.4	423.2	448.2	472.8	504.5	503.4	502.6	484.1	485.5	0.3%	2.0%	6.1%
China	3115.4	3428.4	3764.4	3945.1	3974.3	3873.9	3746.5	3410.6	3524.0	3683.0	4.5%	2.5%	46.0%
India	556.8	572.3	563.8	605.6	608.5	646.2	674.2	689.8	711.7	765.1	7.5%	4.0%	9.5%
Indonesia	256.2	275.2	353.3	385.9	474.6	458.1	461.6	456.2	461.2	548.6	18.9%	7.8%	6.8%
Japan	1.3	0.9	1.3	1.3	1.2	1.3	1.2	1.3	1.4	1.0	-25.0%	-0.2%	♦
Mongolia	14.4	25.2	32.0	29.9	30.1	25.3	24.2	35.5	48.1	54.6	13.3%	18.0%	0.7%
New Zealand	4.5	5.3	5.0	4.9	4.6	4.0	3.4	2.9	2.9	3.2	8.5%	-4.9%	♦
Pakistan	3.5	3.4	3.2	3.0	3.0	3.4	3.3	4.1	4.1	3.9	-5.2%	1.0%	♦
South Korea	2.5	2.1	2.1	2.1	1.8	1.7	1.8	1.7	1.5	1.2	-19.1%	-6.4%	♦
Thailand	17.6	18.3	21.3	18.1	18.1	18.0	15.2	17.0	16.3	14.9	-8.7%	-1.1%	0.2%
Vietnam	44.1	44.8	46.6	42.1	41.1	41.1	41.7	38.7	38.2	41.6	8.8%	-1.0%	0.5%
Other Asia Pacific	34.5	37.0	38.6	39.6	39.8	40.5	44.9	61.4	51.4	53.5	4.1%	3.4%	0.7%
Total Asia Pacific	4473.3	4847.3	5254.9	5525.9	5669.9	5618.0	5521.3	5221.9	5344.9	5656.0	5.8%	3.0%	70.6%
Total World	7067.5	7479.3	7975.9	8202.9	8270.4	8195.5	7952.9	7491.3	7704.4	8012.8	4.0%	1.4%	100.0%
of which: OECD	2078.3	2088.3	2108.0	2057.9	2026.7	2057.7	1926.9	1748.6	1775.2	1755.2	-1.1%	-2.0%	21.9%
Non-OECD	4989.2	5391.0	5867.8	6145.0	6243.6	6137.8	6026.0	5742.7	5929.2	6257.6	5.5%	2.7%	78.1%
European Union #	573.0	562.8	589.7	590.5	558.1	539.6	527.6	483.0	492.7	478.4	-2.9%	-2.2%	6.0%

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

^ Less than 0.05. n/a not available.

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	Change 2018 over 2017	Average Growth Rate Per Annum 2007-17	2018 Share of Total
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Canada	23.5	24.8	22.2	21.1	20.8	19.6	19.9	18.7	18.6	14.4	-22.5%	-4.8%	0.4%
Mexico	10.3	12.7	14.7	12.8	12.7	12.7	12.7	12.4	15.2	11.9	-21.7%	3.0%	0.3%
US	471.4	498.8	470.6	416.0	431.8	430.9	372.2	340.6	331.3	317.0	-4.3%	-4.9%	8.4%
Total North America	505.2	536.3	507.5	449.9	465.4	463.2	404.8	371.7	365.1	343.3	-6.0%	-4.6%	9.1%
Argentina	0.8	1.2	1.3	1.2	1.3	1.4	1.4	1.0	1.1	1.2	13.0%	-1.4%	♦
Brazil	11.1	14.5	15.4	15.3	16.5	17.5	17.6	15.9	16.6	15.9	-4.0%	2.0%	0.4%
Chile	4.0	4.5	5.8	6.7	7.5	7.6	7.3	7.4	7.7	7.7	-0.4%	6.6%	0.2%
Colombia	4.1	4.8	3.9	4.7	5.0	5.3	5.0	6.3	5.2	5.9	13.4%	4.4%	0.2%
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-	-
Peru	0.8	0.8	0.8	0.9	0.9	0.9	0.8	1.0	0.6	0.9	61.8%	-5.6%	♦
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	-9.9%	-2.1%	♦
Central America	0.4	0.5	0.7	0.9	1.1	1.1	1.3	1.5	1.5	2.2	49.7%	12.4%	0.1%
Other Caribbean	1.8	1.9	2.1	1.9	2.1	2.4	2.2	2.2	2.0	2.1	1.8%	-0.5%	0.1%
Other South America	^	^	^	^	^	^	^	^	^	^	-0.4%	1.8%	♦
Total S. & Cent. America	23.3	28.3	30.2	31.7	34.6	36.4	35.8	35.5	34.8	36.0	3.7%	2.9%	1.0%
Austria	2.9	3.4	3.5	3.2	3.3	3.0	3.2	3.0	3.1	2.9	-8.4%	-2.1%	0.1%
Belgium	3.0	3.7	3.5	3.3	3.4	3.3	3.4	3.2	3.1	3.3	4.9%	-3.9%	0.1%
Bulgaria	6.3	6.9	8.1	6.9	5.9	6.4	6.6	5.7	6.1	5.5	-10.1%	-2.6%	0.1%
Croatia	0.5	0.7	0.7	0.6	0.7	0.6	0.6	0.7	0.4	0.4	-8.6%	-5.5%	♦
Cyprus	^	^	^	^	^	^	^	^	^	^	345.8%	-19.9%	♦
Czech Republic	18.2	18.8	18.5	17.7	16.9	16.4	16.3	16.4	15.6	15.7	1.0%	-2.8%	0.4%
Denmark	4.0	3.8	3.2	2.5	3.2	2.6	1.7	2.1	1.6	1.6	2.0%	-10.3%	♦
Estonia	3.1	3.9	4.2	3.9	4.2	4.2	3.8	3.9	4.3	4.5	6.6%	1.9%	0.1%
Finland	5.4	6.8	5.5	4.5	5.0	4.5	3.8	4.4	4.0	4.3	6.7%	-5.4%	0.1%
France	10.8	11.5	9.8	11.1	11.6	8.6	8.4	8.2	9.3	8.4	-9.6%	-3.2%	0.2%
Germany	71.7	77.1	78.3	80.5	82.8	79.6	78.7	76.5	71.5	66.4	-7.2%	-1.9%	1.8%
Greece	8.4	7.9	7.9	8.1	7.0	6.7	5.6	4.4	4.8	4.7	-2.8%	-6.0%	0.1%
Hungary	2.6	2.7	2.7	2.6	2.3	2.3	2.3	2.2	2.2	2.2	-2.4%	-3.3%	0.1%
Iceland	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-	0.4%	♦
Ireland	2.0	2.0	1.9	2.3	2.0	2.0	2.2	2.1	1.8	1.4	-19.8%	-2.6%	♦
Italy	12.4	13.7	15.3	15.7	13.5	13.2	12.3	11.0	9.6	8.9	-7.7%	-5.1%	0.2%
Latvia	0.1	0.1	0.1	0.1	0.1	0.1	^	^	^	0.1	38.9%	-9.4%	♦
Lithuania	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	7.5%	-2.3%	♦
Luxembourg	0.1	0.1	0.1	0.1	^	0.1	^	0.1	^	^	-8.3%	-5.3%	♦
Netherlands	7.5	7.5	7.4	8.2	8.2	9.1	11.0	10.2	9.1	8.2	-10.5%	0.8%	0.2%
North Macedonia	1.3	1.3	1.5	1.4	1.2	1.1	1.0	0.9	1.0	1.0	0.4%	-4.1%	♦
Norway	0.6	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	3.3%	1.8%	♦
Poland	51.8	55.1	55.0	51.2	53.4	49.4	48.7	49.5	49.8	50.5	1.5%	-1.2%	1.3%
Portugal	2.9	1.6	2.2	2.9	2.6	2.7	3.3	2.8	3.2	2.7	-16.1%	1.2%	0.1%
Romania	7.5	7.0	8.2	7.6	5.9	5.8	6.0	5.4	5.4	5.3	-1.2%	-5.8%	0.1%
Slovakia	3.8	3.9	3.7	3.4	3.4	3.4	3.2	3.2	3.3	3.5	4.1%	-1.6%	0.1%
Slovenia	1.4	1.4	1.5	1.4	1.3	1.1	1.1	1.1	1.1	1.1	-1.5%	-3.2%	♦
Spain	9.4	6.9	12.8	15.5	11.4	11.6	13.7	10.5	13.4	11.1	-17.3%	-3.9%	0.3%
Sweden	2.0	2.8	2.5	2.1	2.2	2.0	2.0	2.0	2.0	2.0	-0.3%	-3.5%	0.1%
Switzerland	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-	-4.5%	♦
Turkey	30.9	31.4	33.9	36.5	31.6	36.1	34.7	38.5	39.5	42.3	7.2%	3.0%	1.1%
Ukraine	35.9	38.3	41.5	42.5	41.6	35.6	27.3	32.5	25.7	26.2	2.0%	-4.3%	0.7%
United Kingdom	29.8	30.9	31.4	39.0	37.0	29.8	23.1	11.1	9.1	7.6	-16.6%	-13.4%	0.2%
Other Europe	13.9	13.9	15.7	14.1	14.6	12.0	13.7	14.3	14.2	14.2	0.1%	1.2%	0.4%
Total Europe	350.4	366.3	381.8	390.2	377.6	354.5	339.2	326.8	315.5	307.1	-2.7%	-2.6%	8.1%
Azerbaijan	^	^	^	^	^	^	^	^	^	^	-	-13.0%	♦
Belarus	0.6	0.6	0.8	0.8	0.8	0.8	0.7	0.8	0.8	1.0	13.7%	1.9%	♦
Kazakhstan	30.9	33.4	36.3	37.9	37.5	37.0	34.2	33.9	36.4	40.8	12.2%	1.6%	1.1%
Russian Federation	92.2	90.5	94.0	98.4	90.5	87.6	92.1	89.3	83.9	88.0	4.9%	-1.1%	2.3%

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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	Change 2018 over 2017	Average Growth Rate Per Annum 2007-17	2018 Share of Total
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
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	1.0	0.9	1.1	1.2	1.1	1.2	1.1	2.7	3.5	3.1	-11.1%	13.5%	0.1%
Other CIS	0.9	0.9	1.0	1.4	1.4	1.7	1.8	1.6	1.8	2.0	10.6%	8.4%	0.1%
Total CIS	125.6	126.4	133.2	139.6	131.4	128.3	130.0	128.3	126.4	134.9	6.7%	-0.1%	3.6%
Iran	1.4	1.3	1.4	1.1	1.4	1.6	1.6	1.5	1.4	1.5	4.3%	-0.9%	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	-	-
Israel	7.7	7.7	7.9	8.8	7.1	6.6	6.5	5.5	5.0	4.7	-6.5%	-4.6%	0.1%
Kuwait	-	^	^	-	0.3	0.2	0.2	0.2	0.2	0.2	-	81.9%	♦
Oman	^	^	^	^	0.1	0.1	0.1	0.1	0.1	0.1	-	35.8%	♦
Qatar	-	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	^	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	-	6.5%	♦
United Arab Emirates	0.3	0.7	0.4	1.4	1.8	2.0	1.7	1.8	1.0	1.1	4.8%	22.2%	♦
Other Middle East	0.2	0.3	0.4	0.5	0.5	0.6	0.4	0.4	0.4	0.4	♦	11.2%	♦
Total Middle East	9.6	10.1	10.3	11.9	11.2	11.2	10.5	9.7	8.2	7.9	-2.7%	-1.9%	0.2%
Algeria	0.5	0.3	0.3	0.3	0.2	0.2	0.1	^	0.2	0.2	-	-13.3%	♦
Egypt	0.6	0.5	0.4	0.4	0.4	0.4	1.1	1.7	1.6	2.8	68.7%	7.9%	0.1%
Morocco	2.7	2.8	3.0	3.0	3.0	4.0	4.4	4.3	4.5	5.4	22.4%	3.3%	0.1%
South Africa	93.8	92.8	90.5	88.3	88.4	89.5	85.2	86.9	84.3	86.0	2.0%	0.1%	2.3%
Eastern Africa	2.0	2.8	3.1	2.5	3.8	5.9	4.9	3.8	4.4	4.5	1.7%	6.2%	0.1%
Middle Africa	^	^	^	^	^	^	^	^	^	^	-	-25.2%	♦
Western Africa	0.2	0.3	0.3	0.3	0.3	0.5	0.5	0.9	1.0	1.1	5.3%	18.2%	♦
Other Northern Africa	-	-	^	^	-	-	-	-	-	-	n/a	n/a	-
Other Southern Africa	1.1	0.7	0.8	1.1	1.2	1.4	1.4	1.4	1.6	1.5	-7.0%	4.9%	♦
Total Africa	101.0	100.1	98.4	96.0	97.2	101.9	97.7	99.1	97.6	101.4	3.9%	0.6%	2.7%
Australia	56.3	52.2	50.9	47.8	45.4	45.0	46.5	46.5	45.1	44.3	-1.8%	-2.1%	1.2%
Bangladesh	0.8	0.8	0.7	0.9	1.0	0.9	2.3	1.7	1.9	2.1	12.1%	11.9%	0.1%
China	1685.8	1748.9	1903.9	1927.8	1969.1	1954.5	1914.0	1889.1	1890.4	1906.7	0.9%	1.8%	50.5%
China Hong Kong SAR	7.2	6.2	7.4	7.3	7.8	8.1	6.7	6.7	6.3	6.3	-	-1.7%	0.2%
India	280.8	290.4	304.6	330.0	352.8	387.5	395.3	400.4	415.9	452.2	8.7%	5.7%	12.0%
Indonesia	33.2	39.5	46.9	53.0	57.0	45.1	51.2	53.4	57.2	61.6	7.7%	4.7%	1.6%
Japan	101.6	115.7	109.6	115.8	121.2	119.1	119.3	118.8	119.9	117.5	-2.1%	0.2%	3.1%
Malaysia	10.6	14.8	14.8	15.9	15.1	15.4	17.4	18.9	19.3	21.1	9.4%	8.1%	0.6%
New Zealand	1.6	1.4	1.4	1.7	1.6	1.4	1.4	1.2	1.2	1.3	1.3%	-3.0%	♦
Pakistan	4.9	4.6	4.0	4.0	3.2	4.7	4.7	5.3	7.1	11.6	63.3%	2.7%	0.3%
Philippines	6.1	7.0	7.7	8.1	10.0	10.6	11.6	13.1	15.5	16.3	5.2%	11.1%	0.4%
Singapore	^	^	^	^	0.3	0.4	0.4	0.4	0.9	0.9	1.6%	60.1%	♦
South Korea	68.6	77.1	83.7	80.6	81.5	84.4	85.4	81.5	86.2	88.2	2.4%	3.7%	2.3%
Sri Lanka	0.1	0.1	0.3	0.5	0.5	0.9	1.2	1.3	1.4	1.2	-14.3%	41.5%	♦
Taiwan	35.2	37.6	38.9	38.0	38.6	39.0	37.8	38.6	39.4	39.3	-0.3%	0.2%	1.0%
Thailand	15.0	15.4	15.7	16.5	16.2	17.9	17.5	17.7	18.3	18.5	1.0%	2.8%	0.5%
Vietnam	11.2	14.6	17.3	16.1	17.2	20.7	26.1	28.1	27.9	34.3	22.9%	16.3%	0.9%
Other Asia Pacific	16.6	16.2	13.2	13.9	11.4	12.9	12.2	16.1	16.9	18.0	7.0%	-1.0%	0.5%
Total Asia Pacific	2335.5	2442.6	2621.1	2677.8	2749.7	2768.6	2751.0	2738.9	2770.8	2841.3	2.5%	2.3%	75.3%
Total World	3450.6	3610.1	3782.5	3797.2	3867.0	3864.2	3769.0	3710.0	3718.4	3772.1	1.4%	0.7%	100.0%
of which: OECD	1029.9	1092.9	1072.8	1028.2	1037.1	1020.1	954.9	900.0	892.9	861.3	-3.5%	-2.7%	22.8%
Non-OECD	2420.8	2517.1	2709.8	2769.0	2829.9	2844.1	2814.0	2810.1	2825.6	2910.8	3.0%	2.2%	77.2%
European Union #	267.7	280.4	288.2	294.6	287.6	268.6	261.4	239.7	234.2	222.4	-5.1%	-3.3%	5.9%

* 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 0.05.

n/a not available.

USSR includes Georgia, Ukraine and the Baltic States.

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

Notes: Differences between these consumption figures and the world production statistics are accounted for by stock changes, and unavoidable disparities 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	72.08	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	70.66	60.73	83.59	87.86	167.82	110.11	78.81
2010	92.50	67.87	108.47	110.08	158.95	105.19	105.43
2011	121.52	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	56.64	51.57	60.10	67.53	93.85	79.47	63.52
2016	60.09	51.45	71.66	71.35	89.40	72.97	71.12
2017	84.51	63.83	96.02	94.72	150.00	99.16	99.58
2018	91.83	72.84	112.73	99.45	141.35	100.10	111.69

† Source: IHS Northwest Europe prices for 1987-2000 are the average of the monthly marker, 2001-2018 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 2006-2018, 5,500 kilocalories per kilogram NAR, including cost and freight (CFR).

‡ Source: S&P Global Platts ©2019, 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. 2006-2018 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 2017 & 2018 e
(Quantity in Thousand Tonnes)

Country	2017					2018 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	28127	3381	19992	2203	9366	27361	2800	16700	2225	7739
United States	65467	254131	318878	11746	63605	71947	252319	308777	12525	51744
Mexico	4566	39	6751	1295	420	4735	40	7029	1180	437
Total North America	98160	257551	345621	15244	73391	104043	255159	332506	15930	59920
Argentina	0	20	0	707	0	0	23	0		0
Bolivarian Republic of Venezuela	0	772	0	0	0	0	749	0		0
Brazil	0	99	3227	9837	1493	0	0	3569	9852	1448
Chile	0	2425	0	370	0	0	2295	0	418	0
Colombia	4487	86062	0	2585	0	5982	77054	0		0
Peru	0	283	0	0	0	0	217	0		0
South America	4487	89660	3227	13499	1493	5982	80337	3569	10269	1448
Albania	0	139	0	0	0	0	296	0		0
Austria	0	0	0	1355	0	0	0	0	1316	0
Belgium	0	0	0	1194	0	0	0	0	1210	0
Bosnia and Herzegovina	0	0	0	855	14084	0	0	0		14314
Bulgaria	0	0	0	0	34277	0	0	0		30263
Czech Republic	2913	2503	0	2489	39306	2240	2322	0	2542	39490
Estonia	0	0	0	19	0	0	0	0	14	0
Finland	0	0	0	864	0	0	0	0	861	0
Former Yugoslav Republic of Macedonia	0	0	0	0	5094	0	0	0		4995
France	0	0	0	3250	0	0	0	0	3200	0
Germany	2285	1551	0	9392	171286	1415	1347	0	9361	166258
Greece	0	0	0	0	37731	0	0	0	0	36145
Hungary	0	0	0	955	7972	0	0	0	951	7887
Italy	0	0	0	1647	0	0	0	0	1667	0
Kazakhstan	15750	90910	0	2954	6095	10816	96446	0		6433
Kosovo	0	0	0	0	7575	0	0	0		7170
Montenegro	0	0	0	0	1475	0	0	0		1596
Netherlands	0	0	0	1964	0	0	0	0	1983	0
Norway	0	131	0	0	0	0	150	0	0	0
Poland	12481	52999	0	9418	61161	12040	51344	0	9493	58571
Romania	0	0	0	0	25752	0	0	0		24161
Russian Federation	86180	226631	0	40602	74886	92977	245436	0	40685	81379
Serbia	0	0	0	0	39806	0	0	0		37649
Slovak Republic	0	0	0	1581	1834	0	0	0	1592	1503
Slovenia	0	0	0	0	3356	0	0	0	0	3217
Spain	0	1161	1816	1500	0	0	531	1630	1427	0
Sweden	0	0	0	1155	0	0	0	0	1105	0
Ukraine	5234	18933	0	10102	0	4565	21582	0		0
United Kingdom	39	3002	0	1379	0	33	2548	0	1280	0
Georgia	0	0	0	0	268	0	0	0		139
Turkey	764	470	1405	4310	71459	731	388	1468	4530	85200
Total Europe	125645	398430	3221	96985	603417	124817	422390	3098	83216	606368

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Table-10.5: Production of Coal and Coke by Major Coal Producing Countries during 2017 & 2018 e
(Quantity in Thousand Tonnes)

Country	2017					2018 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	190000	225715	27033	2501	56719	179350	230306	27521	2620	45956
New Zealand	1173	39	1387	509	319	1213	105	1584	486	307
Total Australia and Oceania	191173	225754	28420	3010	57038	180563	230411	29105	3106	46263
Botswana	0	2220	0	0	0	0	2483	0		0
Egypt	0	0	0	504	0	0	0	0		0
Mozambique	6953	4824	0	0	0	6161	5444	0		0
Niger	0	0	0	0	259	0	0	0		247
Nigeria	0	46	0	0	0	0	46	0		0
Other Africa	0	209	0	0	0	0	209	0		0
South Africa	3704	253096	0	1958	0	4430	254236	0		0
United Republic of Tanzania	0	563	0	0	0	0	276	0		0
Zambia	0	797	0	0	0	0	328	0		0
Zimbabwe	483	2446	0	355	0	512	1636	0		0
Total Africa	11140	264201	0	2817	259	11103	264658	0	0	247
People's Republic of China	515107	2678559		431684		523714	2813668			
Bangladesh	0	1161	0	0	0	0	963	0		0
Cambodia	0	0	56	0	0	0	0	0		0
Chinese Taipei	0	0	0	6056	0	0	0	0		0
Democratic People's Republic of Korea	0	19739	1921	0	0	0	28270	2790		0
India	35934	635253	0	34198	46255	49150	667940	0		45344
Indonesia	4300	108638	381771	0	0	5578	120289	422715		0
Islamic Republic of Iran	1383	138	0	1277	0	909	206	0		0
Japan	0	1328	0	32200	0	0	1010	0	32295	0
Korea	0	1486	0	16020	0	0	1200	0	16361	0
Kyrgyzstan	0	247	0	0	1624	0	275	0		2032
Malaysia	0	2989	0	0	0	0	2652	0		0
Mongolia	25672	6287	0	35	6783	27417	10628	0		6953
Myanmar	0	0	463	0	274	0	0	316		233
Nepal	0	23	0	0	0	0	16	0		0
Other Asia	0	2046	0	69	11597	0	1608	0		14383
Pakistan	0	2987	0	0	1311	0	3317	0		1209
Philippines	0	0	11932	0	0	0	0	11694		0
Tajikistan	0	1707	0	0	53	0	1908	0		59
Thailand	0	0	0	0	16259	0	0	0		14720
Uzbekistan	0	124	0	0	3915	0	127	0		4013
Viet Nam	0	38237	0	0	0	0	41362	0		0
Total Asia	582397	3500948	396144	521538	88070	606768	3695440	437515	48656	88945
World	1013001	4736545	776633	653093	823669	1033276	4948396	805793	161178	803192

Source: International Energy Agency (IEA).

Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2017 & 2018 e
(Quantity in Thousand Tonnes)

Country	2017					2018 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	3794	2281	1372	845	17	3803	1914	1165	962	9
United States	654	4934	1380	53	87	623	3190	1521	106	68
Mexico	564	7614	2175	1187	3	499	6771	2006	1206	4
Total North America	5012	14829	4927	2085	107	4925	11875	4692	2274	81
Costa Rica	0	8	0	134	0	0	0	0		0
Cuba	0	2	0	1	0	0	3	0		0
Dominican Republic	0	1255	0	438	0	0	1001	0		0
Guatemala	0	1633	0	0	0	0	2002	0		0
Honduras	0	289	0	103	0	0	537	0		0
Jamaica	0	96	0	0	0	0	66	0		0
Panama	0	84	0	0	0	0	401	0		0
Total South America	0	3367	0	676	0	0	4010	0	0	0
Argentina	618	439	0	0	0	618	961	0		0
Brazil	11595	9404	207	1538	0	11252	9353	381	1839	0
Chile	470	11125	0	0	0	593	10536	0	0	0
Paraguay	0	1	0	0	0	0	1	0		0
Peru	0	490	0	62	0	0	445	0		0
Uruguay	0	5	0	0	0	0	7	0		0
South America	12683	21464	207	1600	0	12462	21303	381	1839	0
Albania	0	80	0	0	0	0	134	0		0
Austria	1751	1830	66	941	10	1760	1327	75	823	6
Azerbaijan	0	0	0	0	0	0	0	0		0
Belarus	0	762	0	57	0	0	1652	0		0
Belgium	1631	1811	0	274	0	1680	2165	3	258	0
Bosnia and Herzegovina	1361	0	0	58	98	1461	0	0		96
Bulgaria	0	898	0	62	1	0	834	0		0
Croatia	0	590	0	31	49	0	499	0		36
Czech Republic	2066	1778	0	244	205	2427	1261	0	261	136
Denmark	0	3074	0	12	0	0	2759	0	14	0
Estonia	0	45	0	0	0	0	44	0	0	0
Finland	1193	2777	0	255	0	1273	2745	0	311	0
Former Yugoslav Republic of Macedonia	0	33	119	5	7	0	102	93		21
France	4290	10620	0	494	61	4648	8750	0	607	67
Germany	12847	37639	0	2297	30	12370	32002	0	2267	21
Greece	0	411	0	0	0	0	379	0	0	0
Hungary	1341	204	0	105	207	1381	161	0	95	182
Iceland	0	127	0	22	0	0	127	0	22	0
Ireland	0	1986	0	0	0	0	1334	0	0	0
Italy	2257	12969	8	684	2	2273	11739	0	654	2
Kazakhstan	1	3	0	952	0	164	277	0		0

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Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2017 & 2018 e

(Quantity in Thousand Tonnes)

Country	2017					2018 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)
Kosovo	0	2	0	0	9	0	1	0		9
Latvia	0	68	0	0	0	0	82	0	0	0
Lithuania	0	272	3	16	0	0	262	2	19	1
Luxembourg	0	68	0	1	0	0	63	0	0	0
Montenegro	0	0	0	0	5	0	0	0		5
Netherlands	4598	10273	0	110	48	4186	8836	0	70	48
Norway	0	781	0	411	0	0	746	0	416	0
Poland	3630	9226	0	209	328	3522	16145	0	209	240
Portugal	0	5712	0	12	0	0	4496	0	9	0
Republic of Moldova	0	200	0	0	0	0	136	0		0
Romania	8	186	667	761	3	0	178	752		1
Russian Federation	978	2862	0	105	2321	749	25317	0	120	2160
Serbia	0	151	0	719	488	0	115	0		508
Slovak Republic	2732	1076	0	258	556	2698	1131	0	304	553
Slovenia	0	11	372	30	0	0	11	404	26	0
Spain	1767	17322	0	261	0	1621	14152	0	412	0
Sweden	1667	1064	0	96	0	1399	1319	0	234	0
Switzerland	0	52	0	14	123	0	15	0	15	110
Ukraine	9510	10268	0	1550	0	13551	7837	0		0
United Kingdom	2692	5805	0	943	0	2417	7498	0	970	0
Armenia	0	1	0	0	0	0	0	0		0
Cyprus	0	17	0	0	0	0	22	0		0
Georgia	0	162	0	135	0	0	258	0		0
Turkey	5274	32978	0	833	0	6837	31492	0	782	0
Total Europe	61594	176193	1235	12955	4551	66417	188405	1328	8899	4201
Australia	42	61	0	186	0	23	205	0	235	0
New Zealand	0	74	388	0	0	0	75	385	0	0
Total Australia and Oceania	42	135	388	186	0	23	280	385	235	0
Algeria	0	0	0	302	0	0	0	0		0
Benin	0	127	0	0	0	0	136	0		0
Egypt	598	0	0	153	0	661	0	0		0
Ethiopia	0	580	0	0	0	0	619	0		0
Kenya	0	751	0	0	0	0	798	0		0
Mauritius	0	760	0	0	0	0	731	0		0
Morocco	0	6809	0	0	0	0	7589	0		0
Namibia	0	42	0	0	0	0	42	0		0
Nigeria	0	0	0	0	0	0	94	0		0
Other Africa	0	1208	0	0	0	0	1208	0		0
Senegal	0	613	0	0	0	0	671	0		0
South Africa	578	0	0	0	0	0	0	0		0
Zimbabwe	0	25	0	0	0	0	25	0		0
Total Africa	1176	10914	0	455	0	661	11914	0	0	0

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Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2017 & 2018 e
(Quantity in Thousand Tonnes)

Country	2017					2018 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)
People's Republic of China	69901	214429		10		64718	230701			
Bangladesh	0	2809	0	0	0	0	3483	0		0
Cambodia	0	0	1954	0	0	0	0	2154		0
Chinese Taipei	6599	48688	12304	274	0	7069	47878	11566		0
Democratic People's Republic of Korea	0	706	0	179	0	0	0	0		0
Hong Kong (China)	0	10503	0	0	0	0	10881	0		0
India	51814	73466	84092	4346	0	51837	87825	100528		0
Indonesia	4532	0	0	0	0	5469	0	0		0
Islamic Republic of Iran	48	314	0	122	0	58	0	0		0
Israel	0	8516	0	0	0	0	7721	0	0	0
Japan	47347	139609	0	1213	0	46722	138341	0	1515	0
Jordan	0	215	0	42	0	0	218	0		0
Korea	35851	93262	9769	335	0	36482	96518	9000	320	0
Kyrgyzstan	0	925	0	0	3	0	1382	0		4
Lebanon	0	259	0	0	0	0	169	0		0
Malaysia	0	30426	0	0	0	0	32987	0		0
Mongolia	0	2	0	0	0	0	2	0		0
Myanmar	0	563	0	0	0	0	387	0		0
Nepal	0	1295	0	0	0	0	1349	0		0
Other Asia	0	1082	0	0	0	0	1375	0		0
Pakistan	0	13684	0	0	0	0	14393	0		156
Philippines	0	17990	3984	294	36	0	18925	5199		36
Singapore	0	1458	0	0	0	0	1065	0		0
Sri Lanka	0	2527	0	0	0	0	2042	0		0
Syrian Arab Republic	0	0	0	1	0	0	0	0		0
Tajikistan	0	6	0	0	1	0	6	0		0
Thailand	0	23262	0	88	193	0	24721	0		210
United Arab Emirates	2560	653	0	2	0	2896	739	0		0
Uzbekistan	0	203	0	0	660	0	208	0		677
Viet Nam	0	10629	3829	216	0	0	12691	9694		0
Yemen	0	127	0	0	0	0	145	0		0
Total Asia	218653	697607	115932	7120	894	215252	736152	138141	1835	1083
World	299160	924510	122689	25077	5552	299740	973939	144927	15082	5365

Source: International Energy Agency (IEA).

Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2017 & 2018 e

(Quantity in Thousand Tonnes)

Country	2017					2018 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	28945	1982	49	43	84	28916	710	223	34	61
United States	50126	29996	7812	1097	21	55804	42122	6944	1044	30
Mexico	0	3	0	99	0	0	5	0	44	0
Total North America	79071	31981	7861	1239	105	84720	42837	7167	1122	91
Argentina	0	0	0	48	0	0	0	0		0
Bolivarian Republic of Venezuela	0	598	0	0	0	0	592	0		0
Chile	0	914	0	52	0	0	422	0	31	0
Colombia	1537	101152	0	2522	0	2380	79543	0		0
Peru	0	353	0	0	0	0	525	0		0
South America	1537	103017	0	2622	0	2380	81082	0	31	0
Austria	0	1	0	0	0	0	3	0	0	0
Belarus	0	167	0	0	0	0	854	0		0
Belgium	0	88	0	14	0	0	51	3	27	0
Bosnia and Herzegovina	0	0	0	306	239	0	0	0		203
Bulgaria	0	0	0	0	22	0	0	0		43
Czech Republic	1466	948	0	639	941	1146	748	0	631	838
Denmark	0	0	0	0	0	0	17	0	0	0
Estonia	0	0	0	19	0	0	0	0	14	0
Finland	0	0	0	99	0	0	0	0	71	0
Former Yugoslav Republic of Macedonia	0	0	1	0	0	0	0	0		0
France	0	0	0	6	0	0	0	0	50	0
Germany	0	222	0	842	0	4	202	0	838	0
Hungary	0	0	0	330	2	0	0	0	258	2
Ireland	0	12	0	0	0	0	15	0	0	0
Italy	0	0	0	327	0	0	3	0	343	0
Kazakhstan	1027	25959	0	19	2231	916	22171	0		2677
Kosovo	0	0	0	0	14	0	0	0		9
Latvia	0	6	0	0	0	0	10	0	0	0
Montenegro	0	0	0	0	97	0	0	0		94
Netherlands	0	0	0	175	0	0	0	0	83	0
Norway	0	75	0	0	0	0	113	0	0	0
Poland	2753	4336	0	6494	256	2923	1978	0	6575	287
Romania	0	0	0	0	2	0	0	0		6
Russian Federation	22755	158265	0	2920	8701	26422	172625	0	2739	10807
Serbia	0	0	0	3	74	0	0	0		78
Slovak Republic	0	0	0	14	0	0	0	0	4	0
Spain	0	264	0	132	0	0	276	0	245	0

Contd....

Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2017 & 2018 e

(Quantity in Thousand Tonnes)

Country	2017					2018 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)
Sweden	0	0	0	30	0	0	0	0	9	0
Ukraine	560	76	0	225	0	46	64	0		0
United Kingdom	2	493	0	0	0	3	626	0	0	0
Georgia	0	0	0	13	2	0	0	0		2
Turkey	9	91	0	3	1	12	73	0	32	0
Total Europe	28572	191003	1	12610	12584	31472	199828	3	11920	15045
Australia	177199	201739	0	352	0	179243	202702	0	710	0
New Zealand	1142	0	44	0	0	1188	0	28	0	0
Total Australia and Oceania	178341	201739	44	352	0	180431	202702	28	710	0
Botswana	0	229	0	0	0	0	684	0		0
Egypt	0	0	0	154	0	0	0	0		0
Mozambique	6953	4824	0	0	0	6240	5393	0		0
Other Africa	0	109	0	0	0	0	109	0		0
South Africa	1018	70049	0	0	0	1153	68155	0		0
Zimbabwe	0	0	0	223	0	0	0	0		0
Total Africa	7971	75210	0	377	0	7393	74340	0	0	0
People's Republic of China	136	7888		8079		1078	4881			
Chinese Taipei	0	1	0	46	0	0	1	0		0
Democratic People's Republic of Korea	0	2671	0	0	0	0	1600	0		0
India	68	1407	0	89	44	0	1379	0		0
Indonesia	4300	108338	281132	0	0	3564	119989	315408		0
Islamic Republic of Iran	14	54	0	51	0	28	80	0		0
Japan	0	3	0	1223	0	0	32	0	1433	0
Kyrgyzstan	0	208	0	0	272	0	394	0		367
Malaysia	0	607	0	0	0	0	603	0		0
Mongolia	24534	3760	0	0	664	25699	7846	0		417
Myanmar	0	0	0	0	0	0	0	0		4
Other Asia	0	0	0	69	0	0	0	0		0
Philippines	0	0	6172	0	0	0	0	4753		0
Tajikistan	0	5	0	0	0	0	0	0		0
Thailand	0	45	0	0	0	0	72	0		0
Viet Nam	0	2033	0	195	0	0	2396	0		0
Total Asia	29052	127020	287305	9751	981	30369	139273	320161	1433	788
World	324545	729969	295211	26952	13670	336765	740062	327359	15216	15924

Source: International Energy Agency (IEA).

Table 10.8 : Supply of Coal and Coke by Major Exporting Countries during 2017 & 2018 e

(Quantity in Thousand Tonnes)

Country	2017					2018 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	2056	4319	20657	3246	9439	2098	4204	16813	3095	8287
United States	15956	240701	320805	10721	64382	16685	223277	322169	11772	52362
Mexico	6037	7658	6220	2383	255	5044	6805	7172	2342	325
Total North America	24049	252678	347682	16350	74076	23827	234286	346154	17209	60974
Costa Rica	0	8	0	134	0	0	0	0	0	0
Cuba	0	2	0	1	0	0	3	0	0	0
Dominican Republic	0	1260	0	438	0	0	1001	0	0	0
Guatemala	0	1496	0	0	0	0	2436	0	0	0
Honduras	0	289	0	103	0	0	537	0	0	0
Jamaica	0	82	0	0	0	0	66	0	0	0
Panama	0	84	0	0	0	0	401	0	0	0
Total South America	0	3222	0	676	0	0	4444	0	0	0
Argentina	618	618	0	683	0	618	621	0	0	0
Bolivarian Republic of Venezuela	0	174	0	0	0	0	157	0	0	0
Brazil	11295	9456	3619	11263	1493	11302	8909	3935	11319	1448
Chile	470	12767	0	321	0	593	12409	0	317	0
Colombia	2950	5162	0	63	0	3602	7940	0	0	0
Paraguay	0	1	0	0	0	0	1	0	0	0
Peru	0	999	0	75	0	0	1038	0	0	0
Uruguay	0	5	0	0	0	0	7	0	0	0
South America	15333	29182	3619	12404	1493	16114	31083	3935	11637	1448
Albania	0	219	0	0	0	0	430	0	0	0
Austria	1764	1606	66	2508	10	1745	1444	75	2133	6
Belarus	0	644	0	62	0	0	645	0	0	0
Belgium	1616	1956	0	1455	0	1630	1946	51	1437	0
Bosnia and Herzegovina	1270	0	0	391	14129	1456	0	0	0	14156
Bulgaria	0	924	0	62	33672	0	1001	0	0	30137
Croatia	0	584	0	32	49	0	556	0	0	39
Czech Republic	3421	3717	0	2066	38661	3460	3065	0	2199	39035
Denmark	0	2651	0	12	0	0	2688	0	13	0
Estonia	0	48	0	0	0	0	44	0	0	0
Finland	1261	3154	0	972	0	1201	2869	0	1055	0
Former Yugoslav Republic of Macedonia	0	33	122	1	5256	0	91	83	0	4735
France	4517	10297	0	3519	50	4540	8596	0	3857	67
Germany	15825	37723	0	10817	171214	13781	34748	0	10790	166292
Greece	0	376	0	0	38061	0	431	0	0	36321
Hungary	1320	198	0	722	8143	1345	156	0	733	8161
Iceland	0	127	0	22	0	0	127	0	22	0
Ireland	0	1788	0	0	0	0	1208	0	0	0
Italy	2309	12877	8	2001	2	2427	11412	0	1941	2

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Table 10.8 : Supply of Coal and Coke by Major Exporting Countries during 2017 & 2018 e

(Quantity in Thousand Tonnes)

Country	2017					2018 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)
Kazakhstan	14724	66848	0	3887	4418	10064	74552	0		3756
Kosovo	0	2	0	0	7602	0	1	0		7169
Latvia	0	70	0	0	0	0	78	0	0	0
Lithuania	0	250	3	17	0	0	265	1	19	1
Luxembourg	0	68	0	1	0	0	63	0	0	0
Montenegro	0	0	0	0	1383	0	0	0		1507
Netherlands	4394	10289	0	1980	48	4271	8814	0	1932	48
Norway	0	832	0	425	0	0	793	0	428	0
Poland	13055	60730	0	3228	61184	12702	62563	0	2991	58527
Portugal	0	5408	0	12	0	0	4546	0	9	0
Republic of Moldova	0	176	0	0	0	0	142	0		0
Romania	8	182	644	726	25575	10	188	781		24683
Russian Federation	64403	84463	0	37849	70168	64535	93365	0	38033	73754
Serbia	0	150	0	718	40178	0	116	0		38023
Slovak Republic	2720	1084	0	1794	2349	2709	1109	0	1803	2063
Slovenia	0	11	403	30	3339	0	12	413	27	3259
Spain	1802	19419	1930	1433	0	1436	14557	1380	1604	0
Sweden	1513	1088	0	1325	0	1476	1320	0	1239	0
Switzerland	0	53	0	14	122	0	15	0	15	110
Ukraine	14167	28611	0	11368	0	18070	29355	0		0
United Kingdom	3010	11192	0	2316	0	2314	9510	0	2163	0
Armenia	0	1	0	0	0	0	0	0		0
Cyprus	0	5	0	0	0	0	23	0		0
Georgia	0	144	0	140	264	0	226	0		138
Turkey	6334	32545	1277	5092	71658	7690	31708	1414	5256	84925
Total Europe	159432	402545	4453	96998	597535	156861	404777	4197	79697	596915
Australia	3771	26445	27033	2335	56719	3803	27809	27521	2145	45956
New Zealand	65	105	1913	509	322	117	178	2012	486	308
Total Australia and Oceania	3836	26550	28946	2844	57041	3920	27987	29533	2631	46264
Algeria	0	0	0	327	0	0	0	0		0
Benin	0	127	0	0	0	0	136	0		0
Botswana	0	1991	0	0	0	0	1800	0		0
Egypt	598	0	0	503	0	661	0	0		0
Ethiopia	0	580	0	0	0	0	619	0		0
Kenya	0	751	0	0	0	0	798	0		0
Mauritius	0	760	0	0	0	0	731	0		0
Morocco	0	6746	0	0	0	0	7589	0		0
Mozambique	0	37	0	0	0	0	38	0		0
Namibia	0	42	0	0	0	0	42	0		0
Niger	0	0	0	0	259	0	0	0		247

Contd.....

Table 10.8 : Supply of Coal and Coke by Major Exporting Countries during 2017 & 2018 e

(Quantity in Thousand Tonnes)

Country	2017					2018 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)
Nigeria	0	46	0	0	0	0	140	0		0
Other Africa	0	1308	0	0	0	0	1308	0		0
Senegal	0	613	0	0	0	0	671	0		0
South Africa	3264	183047	0	1958	0	3277	186081	0		0
United Republic of Tanzania	0	563	0	0	0	0	276	0		0
Zambia	0	797	0	0	0	0	328	0		0
Zimbabwe	483	2336	0	132	0	512	1661	0		0
Total Africa	4345	199745	0	2920	259	4450	202219	0	0	247
People's Republic of China	582692	3125373		437395		587354	3157792			
Bangladesh	0	3970	0	0	0	0	4446	0		0
Cambodia	0	0	2124	0	0	0	0	2154		0
Chinese Taipei	6796	48140	11834	6292	0	7067	48782	11879		0
Democratic People's Republic of Korea	0	17774	1921	179	0	0	26670	2790		0
Hong Kong (China)	0	10503	0	0	0	0	10881	0		0
India	92794	715361	84092	38455	45884	97434	741731	100528		45344
Indonesia	4532	300	100639	0	0	7482	300	107308		0
Islamic Republic of Iran	1418	398	0	1348	0	939	126	0		0
Israel	0	8279	0	0	0	0	7980	0	0	0
Japan	47347	140933	0	32604	0	46722	139320	0	32660	0
Jordan	0	215	0	42	0	0	218	0		0
Korea	36208	94691	9769	16354	0	36932	97866	9000	16681	0
Kyrgyzstan	0	920	0	0	1215	0	1262	0		1669
Lebanon	0	259	0	0	0	0	169	0		0
Malaysia	0	32900	0	0	0	0	35036	0		0
Mongolia	50	2529	0	35	5109	54	2784	0		5425
Myanmar	0	563	463	0	274	0	387	316		229
Nepal	0	1318	0	0	0	0	1365	0		0
Other Asia	0	3179	0	0	11597	0	2983	0		14383
Pakistan	0	16670	0	0	1311	0	17710	0		1365
Philippines	0	17990	11036	294	36	0	18925	11725		36
Singapore	0	1458	0	0	0	0	1065	0		0
Sri Lanka	0	2157	0	0	0	0	2042	0		0
Syrian Arab Republic	0	0	0	1	0	0	0	0		0
Tajikistan	0	1708	0	0	54	0	1914	0		59
Thailand	0	19412	0	58	16289	0	16931	0		14484
United Arab Emirates	2560	653	0	2	0	2896	739	0		0
Uzbekistan	0	342	0	0	4768	0	335	0		4690
Viet Nam	0	47244	3829	20	0	0	51657	9694		0
Yemen	0	127	0	0	0	0	145	0		0
Total Asia	774398	4315365	225707	533077	86536	786880	4391561	255394	49341	87684
World	981392	5229287	610407	665270	816941	992053	5296357	639212	160516	793532

Source: International Energy Agency (IEA).

Section

11

Mine Statistics



COAL DIRECTORY OF INDIA 2018-19

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.

11.1.2As on 31.03.2019, the total number of operating coal mines was 454. 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 31.03.2019			
State	No. of coal mines		
	Captive	Non-Captive	Total
Arunachal Pradesh	0	0	0
Assam	0	4	4
Chhattisgarh	9	46	55
Jammu & Kashmir	0	2	2
Jharkhand	3	119	122
Madhya Pradesh	4	57	61
Maharashtra	2	56	58
Meghalaya	0	0	0
Odisha	2	25	27
Uttar Pradesh	0	5	5
Telangana	1	49	50
West Bengal	2	68	70
All India	23	431	454

11.1.3 As on 31.03.2019, 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 31.03.2018			
State	No. of coal mines		
	Captive	Non-Captive	Total
Gujarat	10	0	10
Rajasthan	5	1	6
Tamilnadu		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.

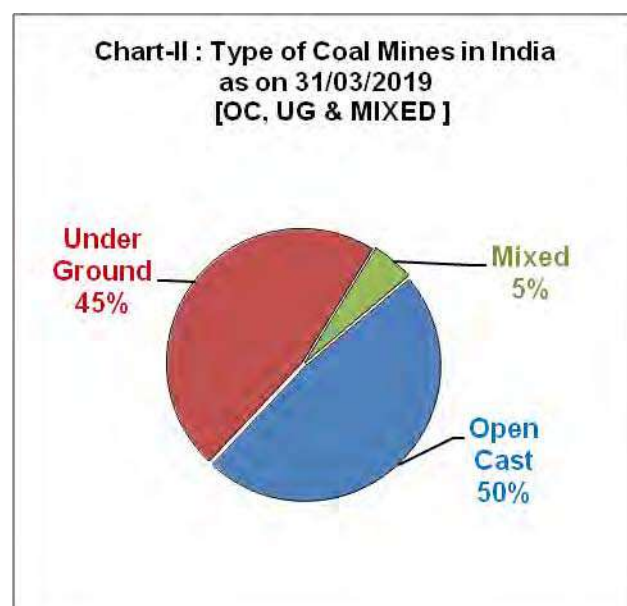
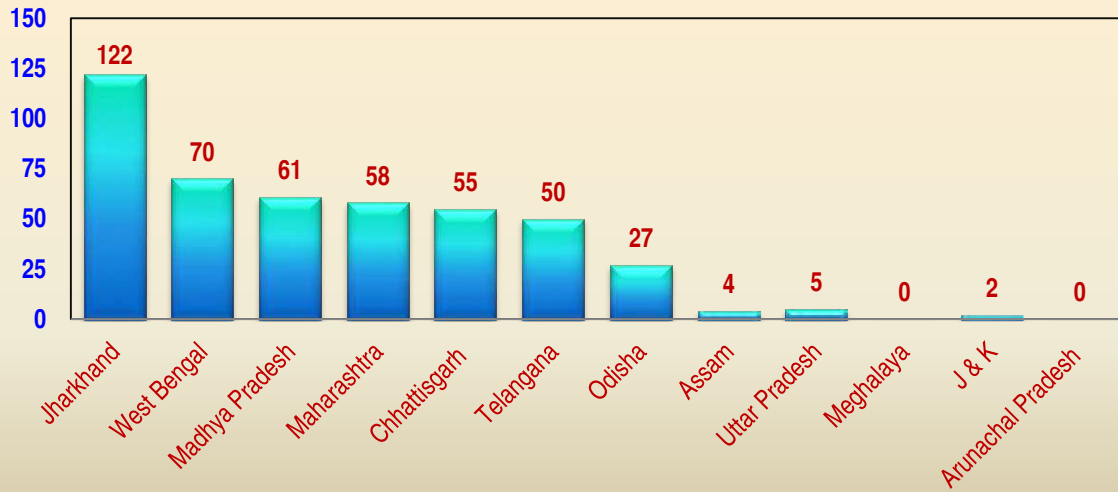


Chart - I : Number of Coal Mines-Statewise as on 31/03/2019



**Chart-II : Type of Coal Mines in India as on 31/03/2019
[OC, UG & MIXED]**

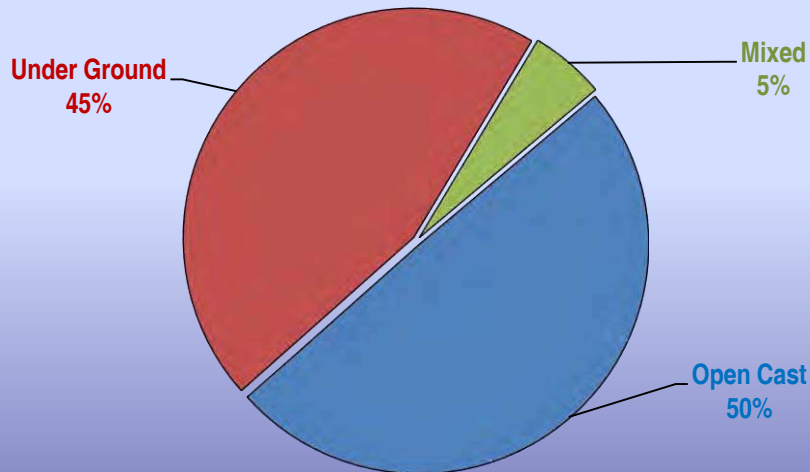


Chart - III : No. of Lignite Mines as on 31/03/2019

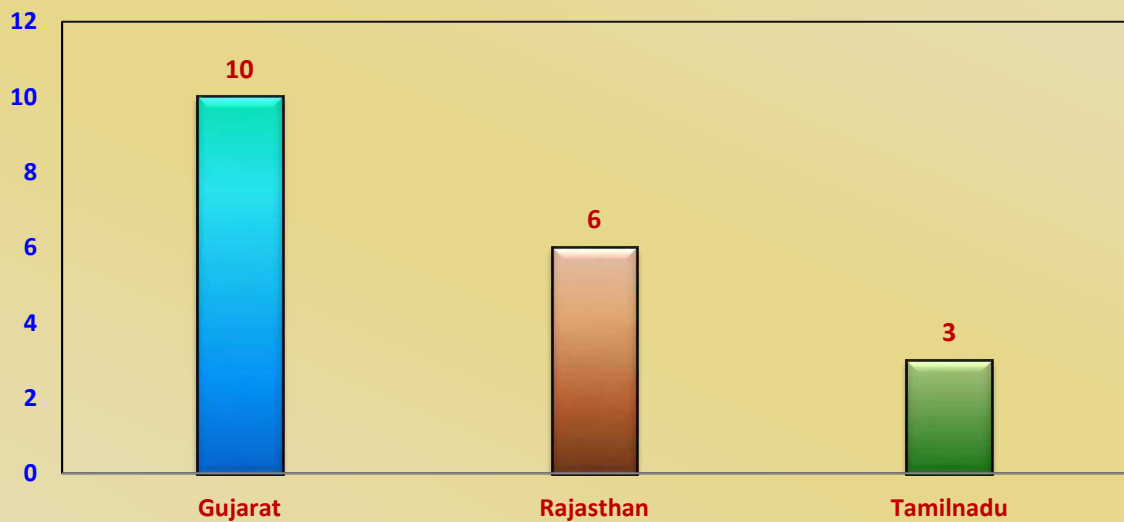


Table 11.1: Number of Coal & Lignite Mines -Companywise as on 31/03/2019

Coal / Lignite	Company	Number of Mines				
		OC	UG	Mixed	Total	
(1)	(2)	(3)	(4)	(5)	(6)	
Coal	ECL	22	50	9	81	
	BCCL	20	11	7	38	
	CCL	43	11	0	54	
	NCL	12	0	0	12	
	WCL	42	35	2	79	
	SECL	23	50	0	73	
	SECL(GP-IV/2&3)	2	0	0	2	
	SECL(GP-IV/1)	1	0	0	1	
	MCL	17	8	0	25	
	NEC	3	1	0	4	
	CIL		185	166	18	369
	SCCL	19	30	0	49	
	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	
	TSGENCO	1	0	0	1	
	RRVUNL	2	0	0	2	
	NTPC	2	0	0	2	
	PUBLIC		212	199	21	432
	TSL	3	4	1	8	
	MEG	0	0	0	0	
	CESC	1	0	0	1	
	HIL	2	0	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	0	0	1	1		
PRIVATE		13	6	3	22	
Total		225	205	24	454	
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 31/03/2019

Coal / Lignite	States	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	Arunachal Pradesh	0	0	0	0
	Assam	3	1	0	4
	Chhattisgarh	25	28	2	55
	J & K	0	2	0	2
	Jharkhand	79	33	10	122
	Madhya Pradesh	21	38	2	61
	Maharashtra	37	21	0	58
	Meghalaya	0	0	0	0
	Odisha	19	8	0	27
	Telangana	20	30	0	50
	Uttar Pradesh	5	0	0	5
	West Bengal	16	44	10	70
	All India		225	205	24
Lignite	Gujarat	10			10
	Tamilnadu	3			3
	Rajasthan	5			5
	All India		18		18

Table 11.3: Number of Mines -Sectorwise as on 31/03/2019

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Public	212	199	21	432
	Private	13	6	3	22
	Total	225	205	24	454
LIGNITE :	Public	17			17
	Private	2			2
	Total	19			19

Table 11.4: Number of Mines -Captive/Non Captive as on 31/03/2019

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Captive	19	2	2	23
	Non Captive	206	203	22	431
	Total	225	205	24	454
LIGNITE :	Captive	15			15
	Non Captive	4			4
	Total	19			19

Table 11.5: Number of Mines -Public/Private, Captive/Non Captive as on 31/03/2019

Type	Sector	No. of Collieries			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Public Non-Captive	203	199	21	423
	Private Non-Captive	3	4	1	8
	Public Captive	9	0	0	9
	Private Captive	10	2	2	14
	Total	225	205	24	454
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 31/03/2019
(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	9	6	1	16				0
BCCL						0				0			0	19	11	7	37				0
CCL						0				0			0	43	11		54				0
NCL						0				0			0				0	7			7
WCL						0				0			0				0	6	15	2	23
SECL						0	18	28	0	46			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	3	1	4				0			0				0				0
CIL	0	0	0	3	1	4	21	28	0	49	0	0	0	71	28	8	107	18	37	2	57
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
TSGENCO			0			0				0		0			0	0	0				0
RRVUNL			0			0	2			2		0					0				0
NTPC			0			0				0		0	1				1				0
PUBLIC	0	0	0	3	1	4	23	28	0	51	0	2	2	75	29	9	113	18	37	2	57
TSL			0			0				0		0	3	4	1	8					0
MEG																					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	0	2	4	0	0	0	4	4	1	9	3	1	0	4
Total	0	0	0	3	1	4	25	28	2	55	0	2	2	79	33	10	122	21	38	2	61

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**Table 11.6: Number of Working Coal Mines as on 31/03/2019
(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)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(42)	(43)	(44)	(45)	(46)	(47)	(48)	(49)	(50)
ECL				0	0				0	0				0	13	44	8	65	22	50	9	81
BCCL				0	0				0	0				0	1			1	20	11	7	38
CCL				0	0				0	0				0				0	43	11	0	54
NCL				0	0				0	5	5			0				0	12	0	0	12
WCL	36	20		56	0				0	0				0				0	42	35	2	79
SECL				0	0				0	0				0				0	23	50	0	73
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	3	1	0	4
CIL	36	20	0	56	0	0	17	8	25	5	5	0	0	0	14	44	8	66	185	166	18	369
SCCL				0	0				0	0	19	30	49					0	19	30	0	49
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
TSGENCO				0	0				0	0	1	0	1			0	0	0	1	0	0	1
RRVUNL				0	0				0	0				0				0	2	0	0	2
NTPC				0	0		1	0	1	0				0				0	2	0	0	2
PUBLIC	36	20	0	56	0	0	18	8	26	5	5	20	30	50	14	44	10	68	212	199	21	432
TSL				0	0				0	0				0				0	3	4	1	8
MEG					0	0			0	0				0				0	0	0	0	0
CESC				0	0				0	0				0	1			1	1	0	0	1
HIL					0				0	0				0				0	2	0	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				0	0				0	1			1	1	0	0	1
TUML	0			0	0				0	0				0				0	0	0	1	1
PRIVATE	1	1	0	2	0	0	1	0	1	0	0	0	0	0	2	0	0	2	13	6	3	22
Total	37	21	0	58	0	0	19	8	27	5	5	20	30	50	16	44	10	70	225	205	24	454

Table 11.7: Number of Working Lignite Mines as on 31/03/2019

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 31/03/2019**

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	4	4	4	0	4
Chhattisgarh	9	46	55	51	4	55
Jammu & Kashmir	0	2	2	2	0	2
Jharkhand	3	119	122	113	9	122
Madhya Pradesh	4	57	61	57	4	61
Maharashtra	2	56	58	56	2	58
Meghalaya	0	0	0	0	0	0
Odisha	2	25	27	26	1	27
Uttar Pradesh	0	5	5	5	0	5
Telangana	1	49	50	50	0	50
West Bengal	2	68	70	68	2	70
All India	23	431	454	432	22	454

**TABLE 11.9: NO. OF LIGNITE MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE
AS WELL AS STATE-WISE BREAK UP as on 31/03/2019**

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

ABBREVIATIONS**Annexure-I****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 Vidyut Unnayan Nigam Limited - Public - Captive
NTPC	National Thermal Power Corporation - Public - Captive
WBPDCL	West Bengal Power Development Corporation Ltd. - Public - Captive
TSL(TISCO)	Tata Steel Limited - Private - Non Captive
HIL	Hindalco Industries Limited - Private - Captive
SIL	Sunflag Iron & Steel Company Limited - Private - Captive
TUML	Topworth Urja and Minerals Limited - Private - Captive
SPL	Sasan Power Limited - Private - Captive
CESC	CESC Limited - Private - Captive
GMR	GMR Chhattisgarh Energy Limited - Private - Captive
BALCO	Bharat Aluminium Company Limited - Private - Captive
JPVL	Jaiprakash Power Ventures Limited - Private - Captive
RCCPL	Reliance Cement Company Private Limited - Private - Captive
OCL	OCL Iron Steel Limited - Private - Captive
AMBUJA	Ambuja Cement Ltd. - Private - Captive
TSPGCL	Telangana State Power Generation Corporation 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
RSML	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
