COAL DIRECTORY OF INDIA 2017-18

[Coal Statistics]

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

COAL DIRECTORY OF INDIA 2017-18

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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 oil prices and also coal will have a key role to discharge in the global energy mix.

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 2017-18*** 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 Statistics Wing of the Coal Controller's Organisation.

Suggestions for further improvement are most welcome.

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Section I

A. Historical Perspective

1.1 Coal Sector in India

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

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

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

1.1.4 In 1956, National Coal Development Corporation (NCDC) came into existence as a Government of India Undertaking with the collieries owned by the railways as its nucleus. During the sixties, the coal industry passed through a period of cheap availability of oil. The situation, however, took a radical turn in the seventies due to spiraling up of oil prices resulting in hike in coal demand.

1.2 Nationalisation of Coal Mines.

1.2.1 Coal mines in India were nationalised in 1972-73 with the objectives of reorganising and restructuring of coal mines in the back drop of the then existing unsatisfactory mining conditions, violation of mine safety norms, industrial unrest, inadequate capital investments in mine development, reluctance to 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 Fertilizer Sector, 100% of normative requirement of coal at notified price will be supplied, for other consumers this will be 75%.

4. Supply of coal to steel plants would be based on FSA and pricing would be on import parity pricing.
5. Consumers in small and medium sector, requiring coal less than 4200 tonnes annually will take coal either from state govt. notified agencies/NCCF//NSIC or from CIL/SCCL through FSA. CIL/SCCL will supply coal to the nominated agencies for such distribution.
6. 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 Shakti Scheme

The Government of India has introduced Scheme for Harnessing and Allocating Koyala (Coal) Transparently in India (SHAKTI), 2017, which was issued by Ministry of Coal on 22.05.2017.The Government also approved amendments to the SHAKTI Policy, 2017, which was issued by Ministry of Coal on 25.03.2019. All the States/UTs are eligible under SHAKTI policy subject to terms and conditions mentioned in the policy.

Salient features of the SHAKTI policy as amended are as under:

A. FSA may be signed with pending LoA after ensuring that the plants are commissioned, respective, milestones met, all specified conditions of the LoA fulfilled within specified time frame and where nothing adverse is detected against the LoA holder. Further, it has allowed continuation of the existing coal supply to the capacities of about 68,000 MW at the rate of 75% of Annual Contracted Quantity (ACQ), which may further be increased in future based on coal availability. The policy has enabled coal supplies at 75% of ACQ against FSA to about 19,000 MW capacities which have been delayed in commissioning, provided these plants are commissioned within 31.03.2022. The medium term PPAs to be concluded in future against bids invited by DISCOMS have also been made eligible for linkage coal supply.

B(i). Coal India Limited (CIL)/Singareni Collieries Company Limited (SCCL) may grant coal linkages to State/Central Gencos/Joint Ventures at notified price on the recommendations of Ministry of Power.

B(ii). Linkages to Independent Power Producers (IPPs) having Long Term Power Purchase Agreement (PPA) based on domestic coal where IPPs participating in auction will bid for discount on the tariff (in paise/unit). Bidders who could not participate in the linkage auction under B (ii) due to any reason may be allowed to participate in the B (ii) auctions of this policy. Further, the bidders who could not secure linkage for full ACQ may obtain linkage for the balance quantity by participating in future auctions at a later stage under B (ii) after benchmarking discount.

B(iii). Linkages to IPPs/Power Producers without PPAs shall be on auction basis.

B(iv). Coal linkages may also be earmarked for fresh PPAs, by pre-declaring the availability of coal linkage with description, to the States. State4s may indicate these linkages to DISCOMS/State Designated Agencies (SDAs).

B(v). Power requirement of group of States can also be aggregated and procurement of such aggregated power can be made by an agency designated by the Ministry of Power or authorized by such States on the basis of tariff based bidding.

B(vi). Linkages shall be granted for full normative quantity to Special Purpose Vehicle (SPV) incorporated by nominated agency for setting up Ultra Mega Power Projects (UMPPs) under Central Government initiative through tariff based competitive under the guidelines for determination of tariff, on the recommendation of Ministry of Power.

B(vii). Ministry of Coal in consultation with Ministry of Power may formulate a detailed methodology of a transparent bidding process for allocating coal linkages to IPPs, having PPAs based on imported coal, with full pass through of cost saving to consumers.

B(viii). (a) Power plants with no PPA are allowed coal linkage under B (iii) & B (iv) for a period of minimum 3 months up to a maximum of 1 year for sale of power generated through the linkage in Day Ahead Market (DAM) through power exchanges or in short term through Discovery of Efficient Energy Price (DEEP) portal.

(b) Use of existing coal linkage for sale of power through short term PPAs using DEEP portal or power exchange by the generator which terminates PPA in case of default in payment by the DISCOM for a maximum period of 2 years or until they find another buyer of power under long/medium term PPA whichever is earlier.

(c) Coal linkage under B (v) also applicable in cases where the nodal agency designated by the Ministry of Power aggregates/procures the power requirement for a group of states even without requisition from such states.

(d) Central and State generating companies can act as an aggregator of power of stressed power assets.

1.6 Import of Coal

1.6.1 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.

1.7 Notified Price of Coal

1.7.1 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

1.8 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.

1.9 Classification of Coal

1.9.1 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

1.9.2 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.

1.9.3 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.

1.9.4 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.

1.9.5 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.

1.9.6 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.

1.10 Classification of Coal in India

1.10.1 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.

1.10.2 **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.

1.10.3 **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.

1.10.4 **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.

1.10.5 **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.

1.10.6 **Middlings and Rejects**: In the process of coal washing, apart from Clean Coal we also get two by-products, namely, Middlings and Rejects. Clean Coal has low density whereas rejects have high density. Middlings have intermediate density. Rejects

contain high ash, mineral impurities, fraction of raw coal feed, etc. and are used for Fluidized Bed Combustion (FBC) Boilers for power generation, road repairs, briquette (domestic fuel) making, land filling, etc. Middlings are fraction of raw coal feed having values of classificatory parameters between that of clan coals and rejects. It is used for power generation. It is also used by domestic fuel plants, brick manufacturing units, cement plants, industrial plants, etc.

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

1.11 Categorization of Coal in India

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

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

1.11.2 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%

1.11.3 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 IS1350 -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.

1.11.4 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

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

Table 5: Concordance Table

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

1.12 Some General Concepts

1.12.1 **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.

1.12.2 **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.

1.12.3 **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.

1.12.4 **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.

1.12.5 **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.

1.12.6 **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

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

1.12.8 **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.

1.12.9 **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. (JSMDCL) and Jammu & Kashmir Mineral Ltd. (JKML).

1.12.9.1 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.

1.12.9.2 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.).

1.12.9.3 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.

1.12.9.4 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.

1.12.9.5 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.

1.13 Commodity Classification

1.13.1 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 2017-18, the total production of raw coal in India was 675.400 MT whereas it was 657.868 MT in 2016-17. Thus in 2017-18, production of coal increased by 2.7% over 2016-17. In the year 2017-18, production of lignite was 46.644 MT against 43.230 MT in 2016-17, thus in 2017-18 production increased by 3.1% over 2016-17. [Ref : table 3.1]

The contribution of public sector and private sector in the production of Raw Coal in 2017-18 was as follows: [Ref : table 3.8]

Production of Raw Coal in 2017-18 (MT)			
Sector	Coking	Non Coking	Total Coal
Public	33.924	607.850	641.774
Private	6.224	27.402	33.626
All India	40.148	635.252	675.400

The production of coking coal in 2017-18 was 40.148 MT whereas it was 61.661 MT in 2016-17, thus (-) 34.89% growth over 2016-17. In 2016-17, the production of non-coking coal was 635.252 MT whereas it was 596.207 MT in 2016-17, thus 6.55% growth over 2016-17. [Ref Table: 3.8].

In 2017-18, the production of washed coal (coking) was 5.753 MT compared to 6.414 MT in 2016-17, thus decreased by 10.3% over 2016-17. In 2017-18, production of middling (coking) was 3.670 MT whereas in 2016-17 it was 4.598 MT, thus decreased by 20.2% over 2016-17. [Ref Table: 3.3]

In 2017-18, Odisha registered highest coal production of 143.328 MT (21.2%) followed by Chhattisgarh 142.546 MT (21.1%), Jharkhand 123.297 MT (18.3%) and Madhya Pradesh 112.127 MT (16.6%). In 2017-18, Tamil Nadu was the largest producer of lignite and produced 23.569 MT (50.5%) followed by Gujarat 13.781 MT (29.5%) and Rajasthan 9.294 MT (19.9%). [Ref Table: 3.6 & 3.7]

Coal India Limited produced 567.366 MT (84.0%) and SCCL 62.010 MT (9.2%) of coal in 2017-18. In that year main producer of lignite was Neyveli Lignite Corporation and produced 25.153 MT (53.9%). [Ref Table: 3.8]

Like previous years in 2017-18, Jharkhand produced the maximum coking coal in India, 38.768 MT which was 96.6% of total coking coal production (40.148 MT). As the highest non-coking coal producing state, Odisha produced 143.328 MT (22.6 %) followed by Chhattisgarh 142.364 MT (22.4%) and Madhya Pradesh 104.882 (17.6%). [Ref Table: 3.9]

In 2017-18, around 93.8% of coal production in India was from opencast mines (633.569 MT) and the rest 6.2% was from underground mines (41.831 MT). [Ref Table:-3.16]. SECL produced highest quantity of coal from underground mines, 14.461 MT (34.57%) followed by SCCL which produced 8.310 MT (19.9%). [Ref Table: 3.17]

Overall stripping ratio for the year 2017-18 was 2.74 (stripping ratio is defined as the ratio of over burden removal to coal produced in open cast mining.) [Ref table 3.19]

Productivity (OMS) of opencast mines in 2017-18 was 13.15 Tonnes for CIL and 13.73 Tonnes for SCCL. OMS for underground mines of CIL was 0.86 Tonnes and for SCCL was 1.08 Tonnes.(OMS is the output measured in tonnes per unit of man-shift) [Ref table: 3.20].

Despatch

In the year 2017-18, despatch of indigenous raw coal was 690.003 MT against 645.978 MT in 2016-17, increased by 6.8% over 2016-17. In 2017-18, despatch of lignite was 46.317 MT against 43.155 MT in 2016-17, increased by 7.3% over 2016-17. [Ref table : 4.1]

The contribution of public sector and private sector in the despatch of raw coal in 2017-18 was as follows: [Ref table : 4.8]

Despatch of Raw Coal in 2017-18 (MT)			
Sector	Coking	Non-coking	**Total Coal**
Public	39.167	617.539	**656.706**
Private	6.213	27.084	**33.297**
All India	**45.380**	**644.623**	**690.003**

Despatch of coking coal decreased to 45.380 MT in 2017-18 from 59.308 MT in 2016-17. [Ref: Table 4.8].

In 2017-18, despatch of non-coking coal was 644.623 MT whereas it was 586.670 MT in 2016-17, thus increased by 9.9% over 2016-17. [Ref table : 4.8]

In 2017-18, despatch of washed coal (coking) was 5.778 MT against 6.515 MT in 2016-17, decreased by 11.31% over 2016-17. In 2017-18, despatch of middling (coking) was 4.071 MT against 4.525 MT in 2016-17, decreased by 10.03% over 2016-17. [Ref table : 4.3]

In 2017-18, major quantity of coal was despatched from Chhattisgarh 146.656 MT (21.25%) followed by Odisha 138.538 MT (20.08%), Jharkhand 126.564 MT (18.34%), Madhya Pradesh 119.930 MT (17.38%) and Telangana 64.623 MT (9.37%). [Ref table : 4.6]

In case of lignite despatch, Tamil Nadu had the highest share of 23.398 MT (50.52%) followed by Gujarat 13.779 MT (29.75%) and Rajasthan 9.140 MT (19.73%). [Ref table : 4.7]

Out of the total despatch of raw coal in 2017-18, despatch of CIL was 541.258 MT (84.06%) and SCCL 59.374 MT (9.37%). Among the other PSUs maximum coal was despatched by RRVUNL 8.329 MT. Despatch of coal from private sector was 33.297 MT in which SPL had the largest share of 17.961 MT followed by TSL of 6.213 MT. [Ref table : 4.8]

Power Sector (Utility) continued to be the largest user of coal. In 2017-18, coal despatched to power sector was 519.582 MT (75.3%) compared to 490.987 MT (76.0%) in 2016-17. Coal despatched to steel sector was 11.074 MT in 2017-18 and 10.131 MT in 2016-17. Coal despatched to cement sector was 7.708 MT in 2017-18 compared to 6.356 MT in 2016-17 [Ref table : 4.18]

In 2017-18, out of total despatch of raw coal, despatch (external) by rail was 336.257 MT (48.7%) and by road 204.061 MT (29.6%). [Ref table : 4.15]

Pit Head Closing Stock

Pit-head closing stock of raw coal at the end of 2017-18 was 62.036 MT against 75.952 MT at the end of 2016-17. Closing Stock of lignite at the end of 2016-17 was 7.210 MT whereas it was 6.883 MT at the end of 2016-17. [Ref table: 5.1]. Out of total closing stock at the end of 2017-18, share of public sector was 61.031 MT. [Ref table: 5.6]

At the end of 2017-18, Pit-head closing stock of coking coal was 6.052 MT against 11.165 MT at the end of 2016-17 MT and pit-head closing stock of non-coking coal was 55.984 MT against 64.787 at the end of 2016-17. [Ref table: 5.2].

Import and Export

In 2017-18, total import of coal was 208.249 MT compared to 190.953 MT in 2016-17, an increase of 9.06% over 2016-17. In 2017-18, import of coking coal was 47.004 MT compared to 41.644 MT in 2016-17, an increase of 12.87% over 2016-17. Import of non-coking coal was 161.245 MT in 2017-18 compared to 149.309 MT in 2016-17, an increase of 7.99% over 2016-17. [Ref table : 7.1]

In 2017-18, coal was mainly imported from Indonesia (95.814 MT), Australia (46.121 MT), South Africa (38.493 MT), USA (12.032 MT), Russia (4.297 MT) and Mozambique (5.914 MT) [Ref table : 7.3]

In 2017-18, coal was mainly imported through Paradip Sea (19.823 MT), Mundra (19.698 MT), Krishnapatnam (18.845 MT), Gangavaram port (16.505 MT), Kandla (12.825 MT), Visakhapatnam Sea (11.918 MT), Dharma Chandbali (11.866 MT), Sez Mundra (10.653 MT), Marmagaon Sea (10.147 MT) and Kolkata Sea (10.112 MT). [Ref table : 7.5]

In 2017-18, export of coal was 1.5037 MT compared to 1.773 MT in 2016-17. Coal was mainly exported to Bangladesh (0.758 MT) and Nepal (0.696 MT). [Ref table : 7.4]

Coal was mainly exported through Borsorah (0.568 MT), Panitanki (0.438 MT), Nautanwa/ Sonauli (0.120 MT) and Chasuapara (0.102 MT) ports. [Ref table :7.6]

Captive Coal block

In the year 2017-18, the total production of raw coal from captive coal blocks in India was 41.620 MT compared to 37.867 MT in 2016-17, resulting an increase of 9.91% over 2016-17. During 2017-18, production of coal from coal blocks allocated for Power Sector was 33.959 MT over 30.185 MT coal produced in 2016-17. [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%
N.B : F=Final , P=Provisional									

(G) Geological Coal Reserve

As per Geological Survey of India, geological reserves of coal in India as on 01.04.2018 was 3,19,020 Million Tonnes. The type wise break up of coal reveals that reserve of coking coal (prime, medium and semi-coking) was 34,522 Million Tonnes and non-coking coal was 2,84,498 Million Tonnes. Total coal extracted since 1950 up to 2017-18 was around 1,51,17,221 Thousand Tonnes.

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

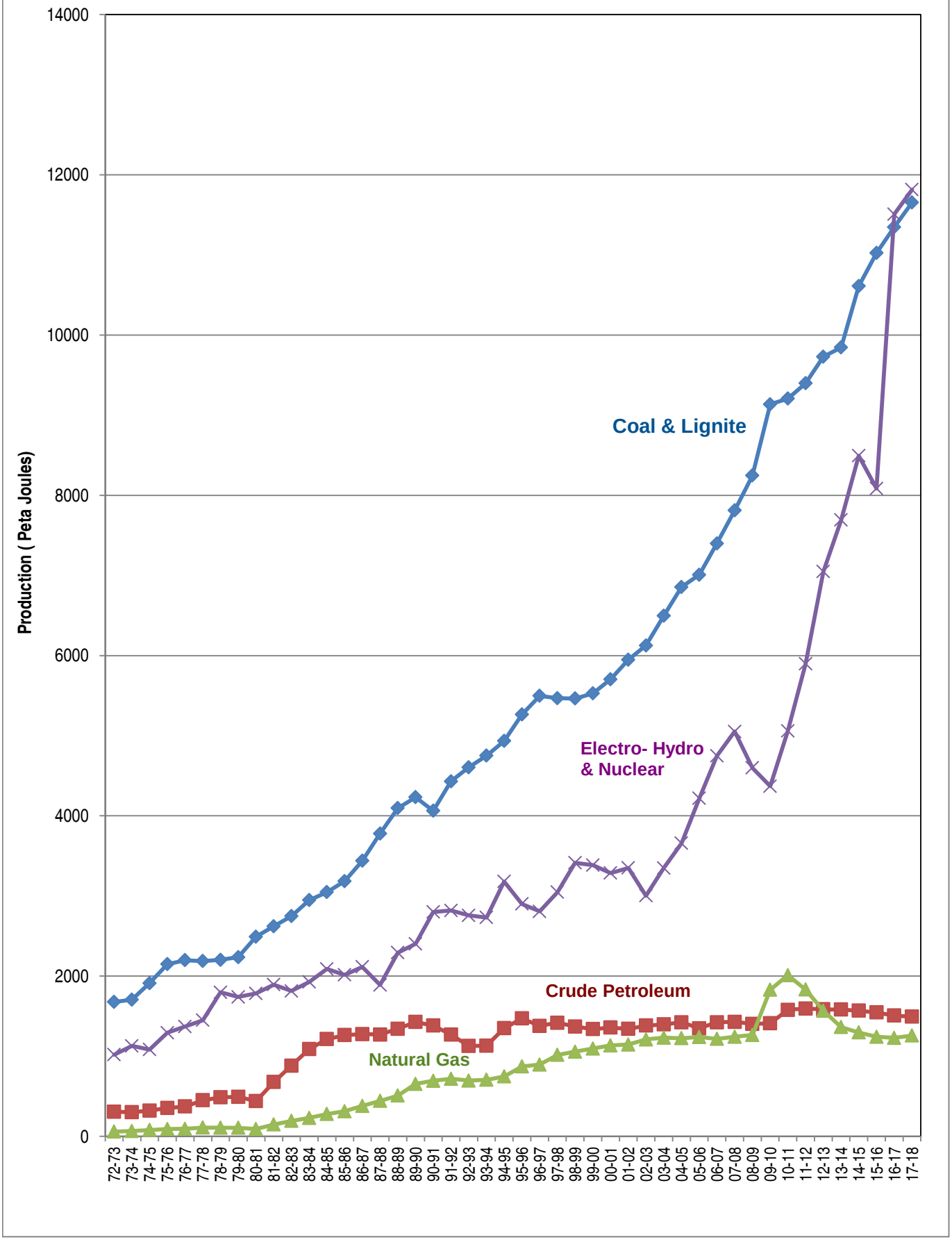


TABLE -1.1: GROWTH OF INDIAN COAL SECTOR AT A GLANCE

Sl. No.	Item	Unit	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(9)
1	**Reserves (Proved)**							
	(i) Coking Coal	Mn.Tonne	18,365	18,399	18,003	18,485	18,634	19,082
	(ii) Non Coking	"	1,04,816	1,07,509	1,13,129	1,19,602	1,24,423	1,29,705
	(iii) Lignite	"	6,181	6,181	6,182	6,182	6,541	6,541
2	**Consumption**							
	(i) Coal	Mn.Tonne	713.389	739.342	822.131	836.727	835.803	898.496
	(ii) Lignite	"	46.313	43.897	46.954	42.211	43.155	46.317
	(iii) Coal Products*	"	43.867	43.554	46.537	43.020	43.173	37.026
3	**Production :**							
	(i) Coal	Mn.Tonne	556.402	565.765	609.179	639.230	657.868	675.400
	(ii) Lignite	"	46.453	44.271	48.270	43.842	45.230	46.644
	(iii) Coal Products*	"	41.723	43.758	46.146	43.194	45.065	37.291
4	**Imports**							
	(a) Qty : Coal	Mn.Tonne	145.785	166.857	217.783	203.949	190.953	208.249
	Coal Products	"	3.081	4.171	3.294	3.072	4.346	4.585
	Lignite		0.001	0.001	0.001	0.001	0.019	0.0104
	Total (a)	"	**148.867**	**171.029**	**221.077**	**207.022**	**195.319**	**212.844**
	(b) Value: Coal	Rs.Million	868455	923292	1045066	860338	1002314	1384770
	Coal Products	"	56919	67995	43806	32684	54019	91525
	Lignite		10	24	17	15	433	117
	Total (b)	"	925384	991310	1088889	893036	1056767	1476412
5	**Exports**							
	(a) Qty : Coal	Mn.Tonne	2.443	2.188	1.238	1.575	1.773	1.504
	Coal Products	"	1.201	0.154	0.102	0.149	0.089	0.107
	Lignite		0.069	0.002	0.003	0.001	0.005	0.0044
	Total (a)		**3.713**	**2.344**	**1.343**	**1.724**	**1.867**	**1.615**
	(b) Value: Coal	Rs.Million	8651	10840	7197	8998	9669	8783
	CoalProducts	"	6017	1521	1140	1494	1063	1726
	Lignite		360	61	40	9	305	293
	Total (b)		**15029**	**12423**	**8377**	**10501**	**11038**	**10802**
6	Unit Value of coal imports (gr.)	Rs./Tonne	5957	5533	4799	4218	5249	6650
7	India's Total Exports	Rs.Million	16343188	18736494	18963484	17088414	17561659	19684600
8	India's Total Imports	Rs.Million	26691620	26976116	27370866	24813672	24063319	29878550
9	(i) Coal imports as percentage of India's total import	%	3.5	3.7	4.0	3.6	4.4	4.9
	(ii) Coal exports as percentage of India's total export	%	0.1	0.1	0.0	0.1	0.1	0.1

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

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

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

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

* 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 : 2008-09 to 2017-18

(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)
	Coal	492.757	59.003	1.655	57.348	46.779	47.317	-0.538	549.567
2008-09	Lignite	32.421			0.000	0.328	0.903	-0.575	31.846
	Total	**525.178**	**59.003**	**1.655**	**57.348**	**47.107**	**48.220**	**-1.113**	**581.413**
	Coal	532.042	73.255	2.454	70.801	47.317	64.863	-17.546	585.297
2009-10	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**
	Coal	532.694	68.918	4.409	64.509	64.863	72.192	-7.329	589.874
2010-11	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**
	Coal	539.950	102.853	2.014	100.839	72.192	74.040	-1.848	638.941
2011-12	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**
	Coal	556.402	145.785	2.443	143.342	74.040	63.049	10.991	710.735
2012-13	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**
	Coal	565.765	166.857	2.188	164.669	63.049	55.514	7.535	737.969
2013-14	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**
	Coal	609.179	217.783	1.238	216.545	55.514	59.389	-3.875	821.849
2014-15	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**
	Coal	639.230	203.949	1.575	202.374	59.389	65.361	-5.972	835.632
2015-16	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**
	Coal	657.868	190.953	1.773	189.180	65.361	75.952	-10.591	836.457
2016-17	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**
	Coal	675.400	208.249	1.504	206.745	75.952	62.036	13.916	896.061
2017-18	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**

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

Section II

Resources & Exploration

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

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

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 1stApril 2018, 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 1stApril 2018, in situ geological resources of coal in India up to a depth of 1200 meters is 319.020 Billion Tonnes (BT) which includes proved, indicated and inferred resources.Out of the total geological resources in the country, 313.308 Billion Tonnes (BT) (98.21%) are shared by seven states, Jharkhand 83.152 BT (26.06%), Odisha 79.295 BT (24.86%), Chhattisgarh 57.206 BT(17.93%), West Bengal 31.667 BT (9.93%), Madhya Pradesh 27.987 BT (8.77%),Telangana 21.702 BT (6.80%) and Maharashtra 12.299 (3.86%).

2.4.2 Out of the total resource of 319.020 BT as on 1st April, 2018, the share of proved, indicated and inferred resources are 148.787 BT,139.164 BT and 31.069 BT respectively.

2.4.3 Of the total resources, the share of Prime Coking was 5.313 BT (1.67%), Medium Coking 27.502 BT (8.62%), Blendable/Semi Coking 1.708 BT (0.54%). Share of Non-coking Coal (Including High Sulphur) was 284.497 MT (89.18%). It is to be noted that the increase in the total resource from 2016 to 2018 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.**

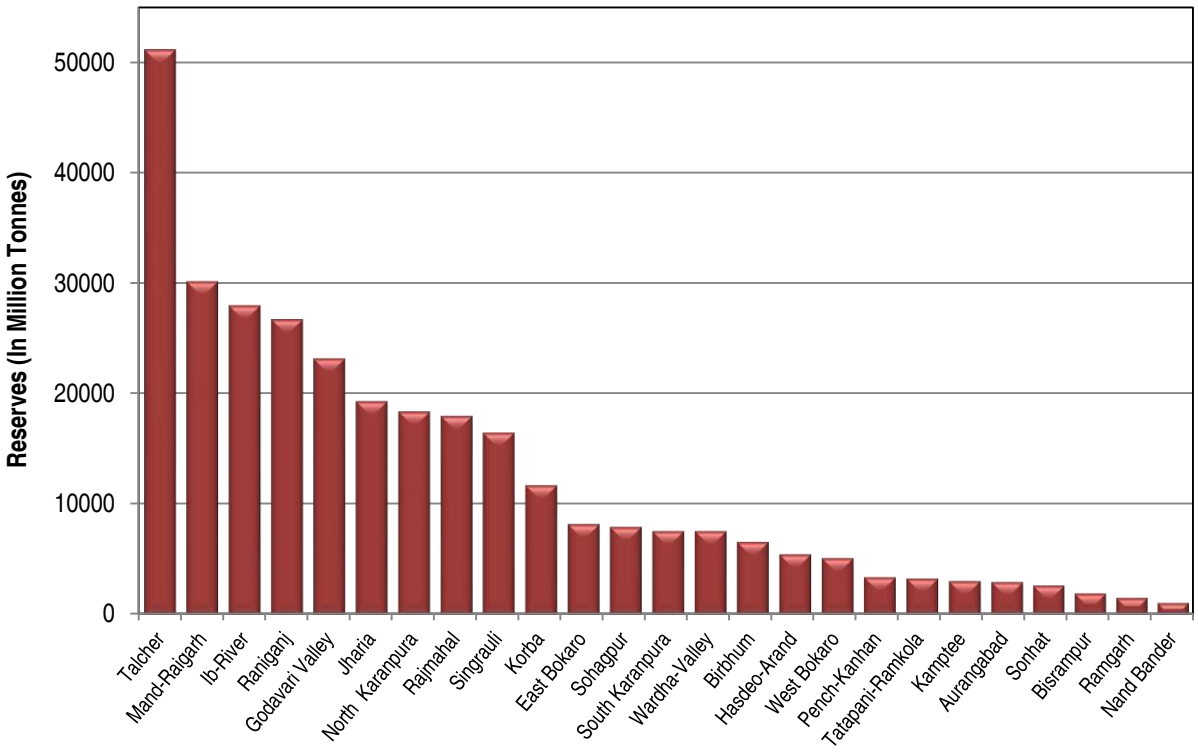
2.5.1 Total lignite resources of the country as on 1st April 2018 was 45.664 Billion Tonnes (BT) which included proved, indicated and inferred resources. Out of the total lignite resources, almost all i.e. 45.206 BT (99.00%) was shared by three major states, Tamil Nadu 36.135 BT(79.13%), Rajasthan 6.349 BT (13.90%) and Gujarat 2.722 BT (5.96%).

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

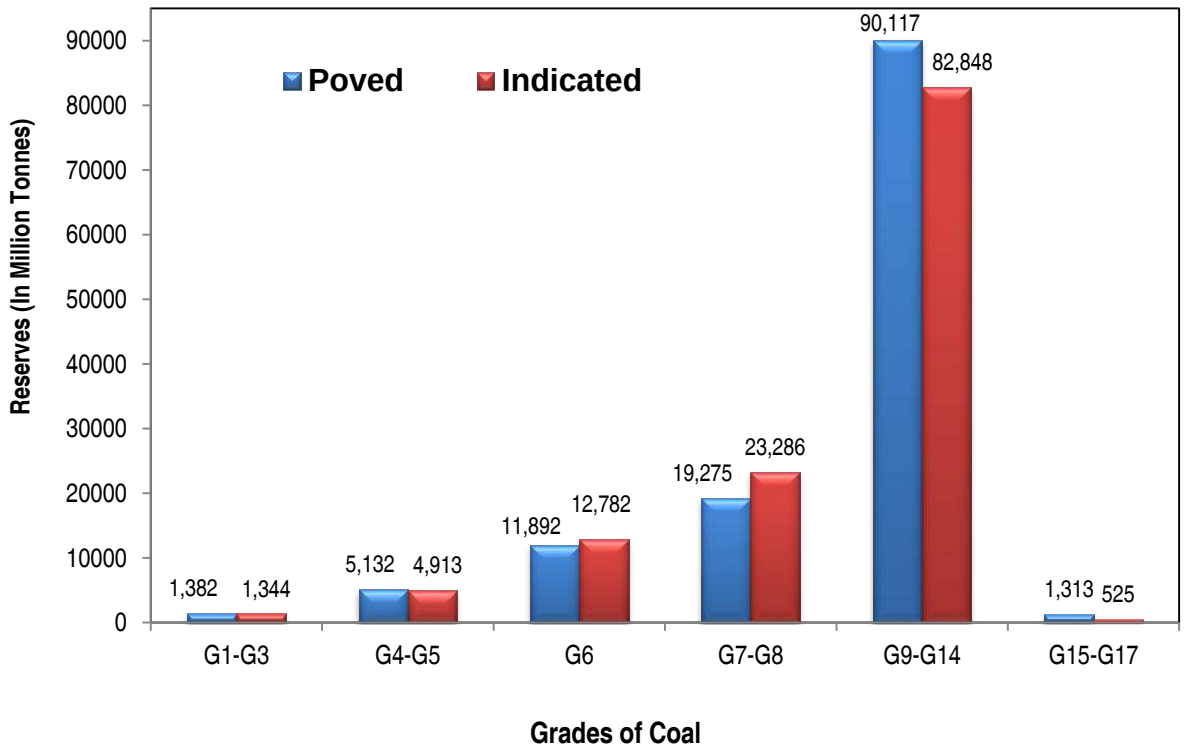
2.6 The different exploration stages and agencies involved in the exercise are summarized below for easy comprehension of the readers.

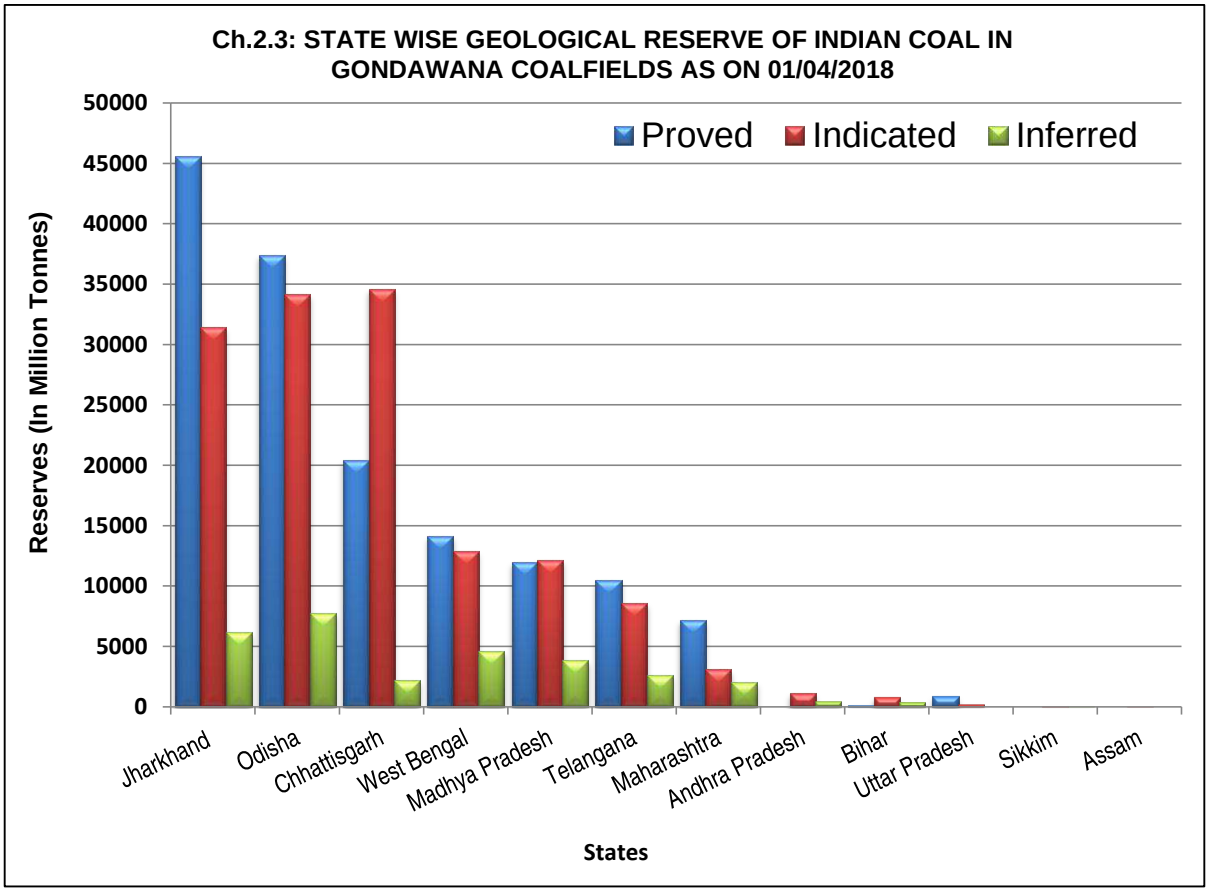
Exploration Stage: Regional (funded by Ministry of Mines)	
Exploration Agencies	
1.	Geological Survey of India
2.	State Directorates of Geology & Mining
Exploration Stage: Regional (Promotional funded by Ministry of Coal)	
Exploration Agencies	
1.	Geological Survey of India
2.	Mineral Exploration Corporation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

Ch. 2.1: GEOLOGICAL COAL RESERVE IN MAJOR INDIAN COALFIELDS AS ON 01/04/2018



Ch. 2.2: GRADEWISE GEOLOGICAL RESERVE OF NON-COKING COAL IN GONDAWANA COALFIELDS AS ON 01/04/2018




Ch.2.3: STATE WISE GEOLOGICAL RESERVE OF INDIAN COAL IN GONDAWANA COALFIELDS AS ON 01/04/2018
Proved
Indicated
Inferred
Reserves (In Million Tonnes)
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Jharkhand
Odisha
Chhattisgarh
West Bengal
Madhya Pradesh
Telangana
Maharashtra
Andhra Pradesh
Bihar
Uttar Pradesh
Sikkim
Assam
States

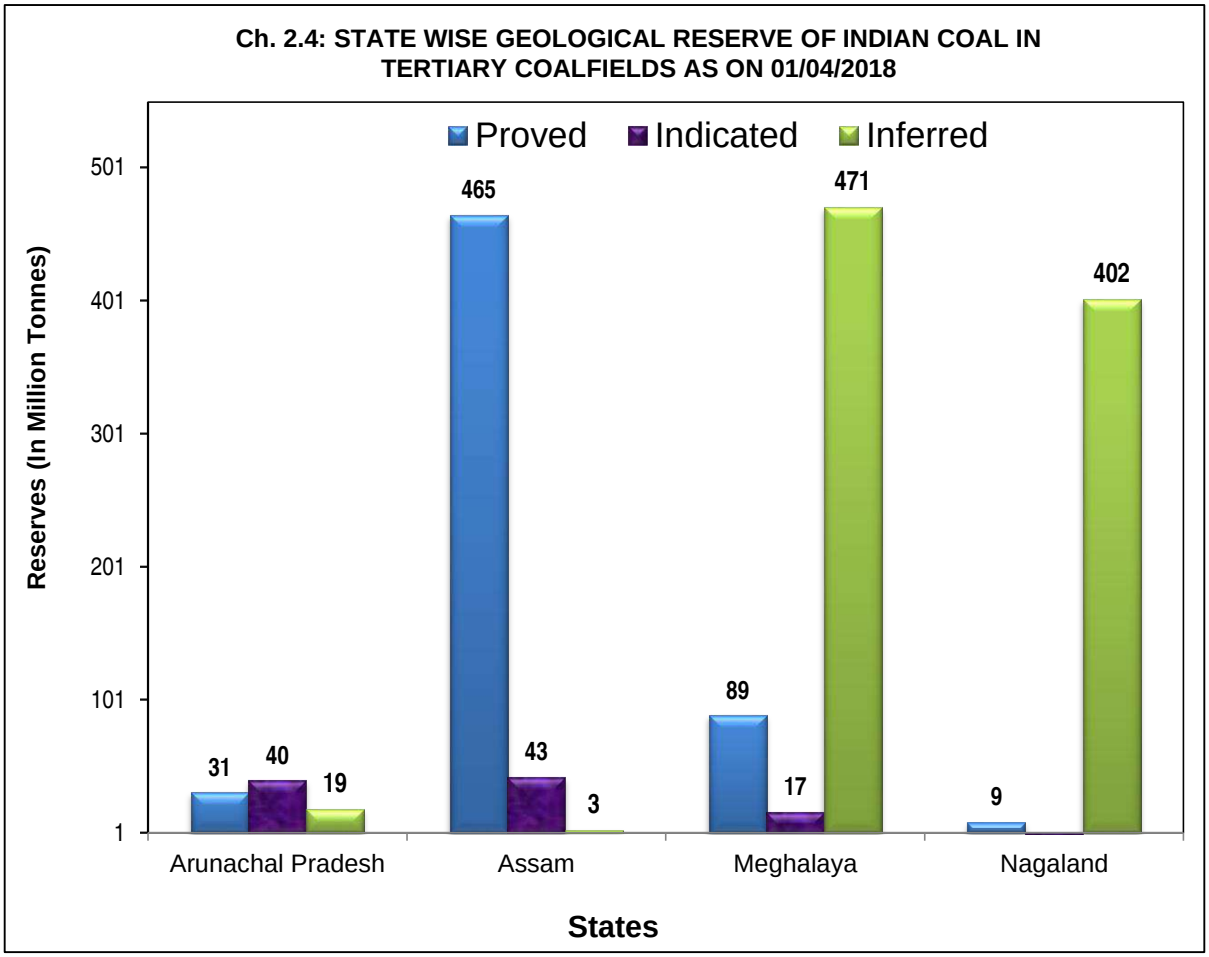
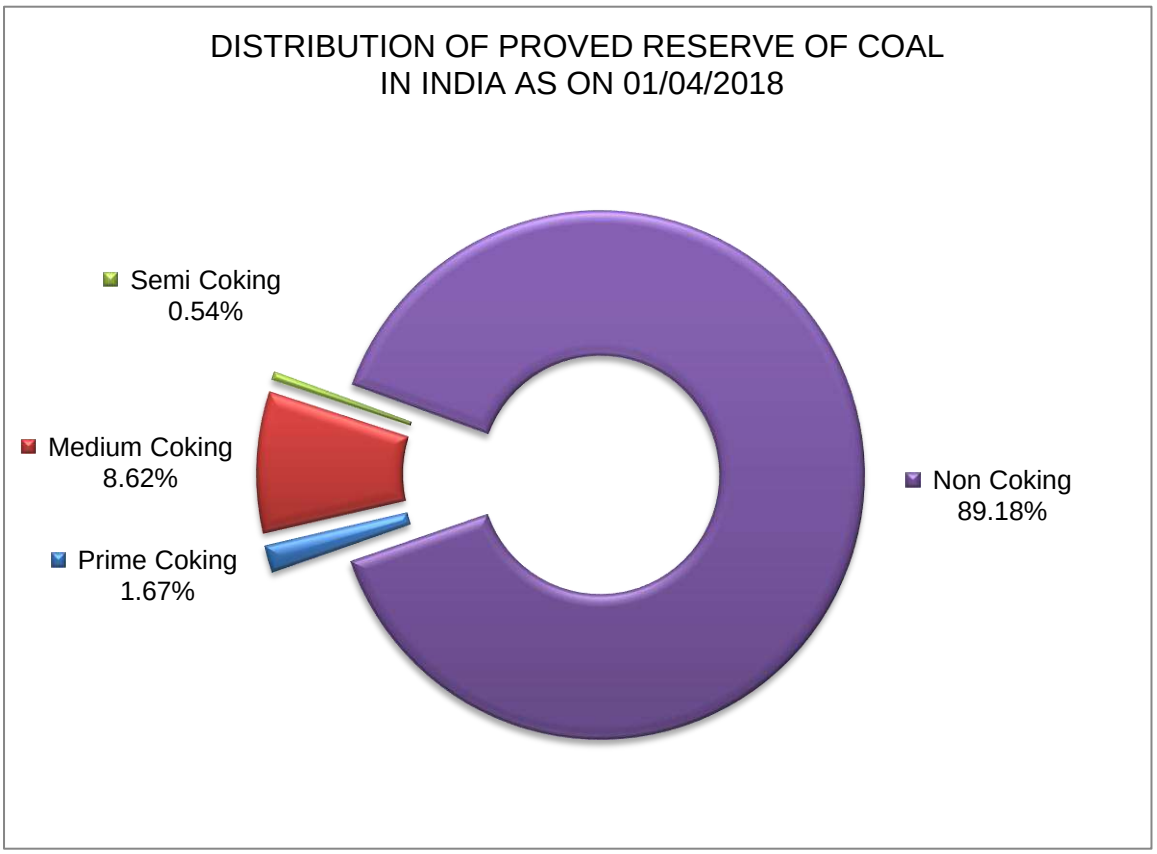

Ch. 2.4: STATE WISE GEOLOGICAL RESERVE OF INDIAN COAL IN TERTIARY COALFIELDS AS ON 01/04/2018
Proved
Indicated
Inferred
Reserves (In Million Tonnes)
501
401
301
201
101
1
31
40
19
465
43
3
89
17
471
9
402
Arunachal Pradesh
Assam
Meghalaya
Nagaland
States

TABLE - 2.1: INVENTORY OF GEOLOGICAL RESERVE OF COAL BY TYPE AS ON 1st APRIL 2016, 2017 & 2018

Type of Coal	As on	Reserve (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	***(6)***
Prime Coking	01/04/2016	4,614	699	0.00	***5,313***
	01/04/2017	4,614	699	0.00	***5,313***
	01/04/2018	4,649	664	0.00	***5,313***
Medium Coking	01/04/2016	13,389	12,114	1,879	***27,382***
	01/04/2017	13,501	12,133	1,879	***27,513***
	01/04/2018	13,914	11,709	1,879	***27,502***
Blendable / Semi Coking	01/04/2016	482	1,004	222	***1,708***
	01/04/2017	519	995	193	***1,708***
	01/04/2018	519	995	193	***1,708***
Non Coking (Including	01/04/2016	1,19,602	1,25,335	29,462	***2,74,398***
High Sulphur)	01/04/2017	1,24,423	1,25,485	30,706	***2,80,615***
	01/04/2018	1,29,705	1,25,796	28,996	***2,84,498***
Total	***01/04/2016 ****	***1,38,087***	***1,39,151***	***31,563***	***3,08,802***
	01/04/2017 *	***1,43,058***	***1,39,311***	***32,779***	***3,15,148***
	01/04/2018 *	***1,48,787***	***1,39,164***	***31,069***	***3,19,020***



**** Including Sikkim***

Source: Geological Survey of India

TABLE - 2.2: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2016, 2017 & 2018

(Quantity in Million Tonnes)

State	As on	Resources			
		Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	***(6)***
GONDAWANA COALFIELDS					
Assam	1/4/2016	0	14	0	***14***
	1/4/2017	0	14	0	***14***
	1/4/2018	0	14	0	***14***
Andhra Pradesh	1/4/2016	0	1,149	432	***1,581***
	1/4/2017	0	1,149	432	***1,581***
	1/4/2018	0	1,149	432	***1,581***
Jharkhand	1/4/2016	42,323	32,301	6,548	***81,172***
	1/4/2017	44,341	31,876	6,223	***82,440***
	1/4/2018	45,563	31,439	6,150	***83,152***
Bihar	1/4/2016	0	0	160	***160***
	1/4/2017	0	0	1,354	***1,354***
	1/4/2018	161	813	392	***1,367***
Madhya Pradesh	1/4/2016	10,918	12,696	3,293	***26,907***
	1/4/2017	11,269	12,760	3,645	***27,673***
	1/4/2018	11,958	12,154	3,875	***27,987***
Chhattisgarh	1/4/2016	19,136	34,614	2,287	***56,036***
	1/4/2017	19,997	34,462	2,202	***56,661***
	1/4/2018	20,428	34,576	2,202	***57,206***
Maharashtra	1/4/2016	6,208	3,151	2,077	***11,436***
	1/4/2017	7,038	3,158	2,063	***12,259***
	1/4/2018	7,178	3,074	2,048	***12,299***
Odisha	1/4/2016	34,295	33,284	8,318	***75,896***
	1/4/2017	34,810	34,060	8,415	***77,285***
	1/4/2018	37,391	34,165	7,739	***79,295***
Sikkim	1/4/2016	0	58	43	***101***
	1/4/2017	0	58	43	***101***
	1/4/2018	0	58	43	***101***
Uttar Pradesh	1/4/2016	884	178	0	***1,062***
	1/4/2017	884	178	0	***1,062***
	1/4/2018	884	178	0	***1,062***
Telangana	1/4/2016	10,128	8586	2700	***21,415***
	1/4/2017	10,402	8542	2520	***21,464***
	1/4/2018	10,475	8,576	2,651	***21,702***
West Bengal	1/4/2016	13,602	13,021	4,907	***31,529***
	1/4/2017	13,723	12,954	4,990	***31,667***
	1/4/2018	14,156	12,869	4,643	***31,667***
Gondawana	***1/4/2016***	***1,37,493***	***1,39,052***	***30,764***	***3,07,309***
	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***

State	As on	Resources			
		Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	***(6)***
TERTIARY COAL FIELDS					
Arunachal Pradesh	1/4/2016	31	40	19	***90***
	1/4/2017	31	40	19	***90***
	1/4/2018	31	40	19	***90***
Assam	1/4/2016	465	43	3	***511***
	1/4/2017	465	43	3	***511***
	1/4/2018	465	43	3	***511***
Meghalaya	1/4/2016	89	17	471	***576***
	1/4/2017	89	17	471	***576***
	1/4/2018	89	17	471	***576***
Nagaland	1/4/2016	9	0	307	***315***
	1/4/2017	9	0	402	***410***
	1/4/2018	9	0	402	***410***
Tertiary Coalfields	1/4/2016	594	99	799	***1,493***
	1/4/2017	594	99	895	***1,588***
	1/4/2018	594	99	895	***1,588***
INDIA	***1/4/2016***	***1,38,087***	***1,39,151***	***31,564***	***3,08,802***
	1/4/2017	***1,43,058***	***1,39,311***	***32,779***	***3,15,148***
	1/4/2018	***1,48,787***	***1,39,164***	***31,069***	***3,19,020***

Singrimari coalfield of Assam (Non-Coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.

99.50

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 01-04-2018)

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	10238.55	1574.03	194.31	**12006.89**
		Non Coking	300-600	2631.14	3276.54	1894.53	**7802.21**
		Non Coking	600-1200	309.34	1851.06	1497.92	**3658.32**
		TOTAL		***13954.78***	***7125.31***	***3726.52***	***24806.61***
	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**
West Bengal	***Total***	***Medium Coking***	***0-1200***	***550.42***	***0.00***	***0.00***	***550.42***
West Bengal	***Total***	***Semi Coking***	***0-1200***	***225.33***	***423.68***	***139.76***	***788.77***
West Bengal	***Total***	***Non Coking***	***0-1200***	***13379.82***	***12445.13***	***4503.10***	***30328.05***
West Bengal	***Total***	***ALL***	***0-1200***	***14155.57***	***12868.81***	***4642.86***	***31667.24***
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	4041.88	4.01	0.00	**4045.89**
		Prime Coking	600-1200	606.99	660.18	0.00	**1267.17**
		Medium Coking	0-600	4216.10	0.00	0.00	**4216.10**
		Medium Coking	600-1200	585.60	1362.30	0.00	**1947.90**
		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		***15603.71***	***3826.35***	***0.00***	***19430.06***
	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 01-04-2018)

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	2972.28	1129.11	28.66	**4130.05**
		Medium Coking	300-600	486.46	182.90	5.00	**674.36**
		Non Coking	0-300	316.57	21.80	0.00	**338.37**
		Non Coking	300-600	25.68	19.07	0.00	**44.75**
		TOTAL		***3800.99***	***1352.88***	***33.66***	***5187.53***
	Ramgarh	Medium Coking	0-300	562.69	37.55	0.00	**600.24**
		Medium Coking	300-600	14.35	246.78	0.00	**261.13**
		Semi Coking	0-300	171.94	95.33	0.55	**267.82**
		Semi Coking	300-600	0.00	336.22	52.90	**389.12**
		Non Coking	0-300	7.13	26.20	4.60	**37.93**
		TOTAL		***756.11***	***742.08***	***58.05***	***1556.24***
	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	8611.34	2367.24	722.03	**11700.61**
		Non Coking	300-600	1130.63	1134.54	729.50	**2994.67**
		Non Coking	600-1200	90.74	0.00	0.00	**90.74**
		TOTAL		***10341.38***	***6300.92***	***1864.96***	***18507.26***
	South Karanpura	Medium Coking	300-600	0.00	248.04	32.83	**280.87**
		Medium Coking	600-1200	0.00	265.36	263.40	**528.76**
		Non Coking	0-300	3240.77	379.03	262.40	**3882.20**
		Non Coking	300-600	1372.92	376.32	584.65	**2333.89**
		Non Coking	600-1200	562.39	43.53	0.00	**605.92**
		TOTAL		***5176.08***	***1312.28***	***1143.28***	***7631.64***
	Aurangabad	Non Coking	0-300	352.05	1241.22	43.07	**1636.34**
		Non Coking	300-600	0.00	867.01	423.07	**1290.08**
		Non Coking	600-1200	0.00	33.42	37.27	**70.69**
		TOTAL		***352.05***	***2141.65***	***503.41***	***2997.11***
	Hutar	Non Coking	0-300	190.79	14.22	32.48	**237.49**
		Non Coking	300-600	0.00	12.33	0.00	**12.33**
		TOTAL		***190.79***	***26.55***	***32.48***	***249.82***
	Daltongunj	Non Coking	0-300	83.86	60.10	0.00	**143.96**
		TOTAL		***83.86***	***60.10***	***0.00***	***143.96***
	Deogarh	Non Coking	0-300	326.24	73.60	0.00	**399.84**
		TOTAL		***326.24***	***73.60***	***0.00***	***399.84***
	Rajmahal	Non Coking	0-300	3664.19	7229.14	462.04	**11355.37**
		Non Coking	300-600	232.34	3953.15	1151.95	**5337.44**
		Non Coking	600-1200	0.00	30.46	5.10	**35.56**
		TOTAL		***3896.53***	***11212.75***	***1619.09***	***16728.37***
Jharkhand	***Total***	***Prime Coking***	***0-1200***	***4648.87***	***664.19***	***0.00***	***5313.06***
Jharkhand	***Total***	***Medium Coking***	***0-1200***	***13008.74***	***10148.65***	***1606.64***	***24764.03***
Jharkhand	***Total***	***Semi Coking***	***0-1200***	***223.34***	***471.55***	***53.45***	***748.34***
Jharkhand	***Total***	***Non Coking***	***0-1200***	***27682.41***	***20154.13***	***4489.71***	***52326.25***
Jharkhand	***Total***	***ALL***	***0-1200***	***45563.36***	***31438.52***	***6149.80***	***83151.68***

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2018)

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	161.11	194.36	131.79	**487.26**
		Non Coking	300-600	0.00	480.14	260.36	**740.50**
		Non Coking	600-1200	0.00	138.99	0.00	**138.99**
Bihar	***Total***	***Non Coking***	***0-1200***	***161.11***	***813.49***	***392.15***	***1366.75***
Madhya Pradesh	Johilla	Non Coking	0-300	185.08	104.09	32.83	**322.00**
	Umaria	Non Coking	0-300	177.70	3.59	0.00	**181.29**
	Pench-Kanhan	Medium Coking	0-300	67.54	263.11	16.41	**347.06**
		Medium Coking	300-600	40.29	136.90	142.17	**319.36**
		Non Coking	0-300	1096.28	203.72	139.38	**1439.38**
		Non Coking	300-600	272.77	366.61	683.39	**1322.77**
		Non Coking	600-1200	0.00	0.00	0.86	**0.86**
		TOTAL		***1476.88***	***970.34***	***982.21***	***3429.43***
	Pathakhera	Non Coking	0-300	261.08	51.70	0.00	**312.78**
		Non Coking	300-600	29.72	36.43	68.00	**134.15**
		TOTAL	***0-600***	***290.80***	***88.13***	***68.00***	***446.93***
	Gurgunda	Non Coking	0-300	0.00	72.54	2.25	**74.79**
		Non Coking	300-600	0.00	12.38	44.98	**57.36**
		Non Coking	600-1200	0.00	0.00	6.16	**6.16**
		TOTAL		***0.00***	***84.92***	***53.39***	***138.31***
	Mohpani	Non Coking	0-300	7.83	0.00	0.00	**7.83**
	Sohagpur	Medium Coking	0-300	184.57	211.38	2.01	**397.96**
		Medium Coking	300-600	62.09	866.78	90.54	**1019.41**
		Medium Coking	600-1200	0.00	81.94	21.70	**103.64**
		Non Coking	0-300	1818.82	2652.18	169.60	**4640.60**
		Non Coking	300-600	63.70	1657.31	9.62	**1730.63**
		Non Coking	600-1200	0.00	33.61	0.00	**33.61**
		TOTAL		***2129.18***	***5503.20***	***293.47***	***7925.85***
	Singrauli	Non Coking	0-300	5672.29	2298.41	1381.47	**9352.17**
		Non Coking	300-600	2007.71	2929.67	952.90	**5890.28**
		Non Coking	600-1200	10.81	171.60	110.40	**292.81**
		TOTAL		***7690.81***	***5399.68***	***2444.77***	***15535.26***
Madhya Pradesh	***Total***	***Medium Coking***	***0-1200***	***354.49***	***1560.11***	***272.83***	***2187.43***
Madhya Pradesh	***Total***	***Non Coking***	***0-1200***	***11603.79***	***10593.84***	***3601.84***	***25799.47***
Madhya Pradesh	***Total***	***ALL***	***0-1200***	***11958.28***	***12153.95***	***3874.67***	***27986.90***

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2018)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	**Total**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	**(8)**
Chhattisgarh	Sohagpur	Non Coking	0-300	94.30	10.08	0.00	**104.38**
	Sonhat	Semi Coking	0-300	70.77	16.45	0.00	**87.22**
		Semi Coking	300-600	0.00	82.80	0.00	**82.80**
		Non Coking	0-300	200.49	842.18	0.00	**1042.67**
		Non Coking	300-600	93.57	793.53	1.89	**888.99**
		Non Coking	600-1200	0.00	568.85	0.00	**568.85**
		TOTAL		***364.83***	***2303.81***	***1.89***	***2670.53***
	Jhilimili	Non Coking	0-300	228.20	38.90	0.00	**267.10**
	Chirimiri	Non Coking	0-300	320.33	10.83	31.00	**362.16**
	Bisrampur	Non Coking	0-300	1335.70	612.80	5.15	**1953.65**
		Non Coking	300-600	0.22	0.00	0.00	**0.22**
		TOTAL		***1335.92***	***612.80***	***5.15***	***1953.87***
	East Bisrampur	Non Coking	0-300	0.00	164.82	0.00	**164.82**
	Lakhanpur	Non Coking	0-300	455.88	3.35	0.00	**459.23**
	Panchbahini	Non Coking	0-300	0.00	11.00	0.00	**11.00**
	Hasdeo-Arand	Non Coking	0-300	2021.84	3213.44	220.15	**5455.43**
		Non Coking	300-600	10.44	59.98	2.97	**73.39**
		TOTAL		***2032.28***	***3273.42***	***223.12***	***5528.82***
	Sendurgarh	Non Coking	0-300	152.89	126.32	0.00	**279.21**
	Korba	Non Coking	0-300	5266.34	3491.50	99.91	**8857.75**
		Non Coking	300-600	610.92	2292.20	68.11	**2971.23**
		TOTAL		***5877.26***	***5783.70***	***168.02***	***11828.98***
	Mand-Raigarh	Non Coking	0-300	8005.50	11628.54	1043.19	**20677.23**
		Non Coking	300-600	1509.89	6897.40	519.85	**8927.14**
		Non Coking	600-1200	0.00	645.04	0.00	**645.04**
		TOTAL		***9515.39***	***19170.98***	***1563.04***	***30249.41***
	Tatapani-Ramkola	Non Coking	0-300	50.43	1179.97	24.85	**1255.25**
		Non Coking	300-600	0.00	1457.01	184.83	**1641.84**
		Non Coking	600-1200	0.00	429.27	0.00	**429.27**
		TOTAL		***50.43***	***3066.25***	***209.68***	***3326.36***
Chhattisgarh	***Total***	***Semi Coking***	***0-1200***	***70.77***	***99.25***	***0.00***	***170.02***
Chhattisgarh	***Total***	***Non Coking***	***0-1200***	***20356.94***	***34477.01***	***2201.90***	***57035.85***
Chhattisgarh	***Total***	***ALL***	***0-1200***	***20427.71***	***34576.26***	***2201.90***	***57205.87***

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2018)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	**Total**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	**(8)**
Uttar Pradesh	Singrauli	Non Coking	0-300	884.04	177.76	0.00	**1061.80**
Uttar Pradesh	***Total***	***Non Coking***	***0-1200***	**884.04**	**177.76**	**0.00**	**1061.80**
Uttar Pradesh	***Total***	***ALL***	***0-1200***	***884.04***	***177.76***	***0.00***	***1061.80***
Maharashtra	Wardha-Valley	Non Coking	0-300	4188.28	757.95	294.86	**5241.09**
		Non Coking	300-600	250.90	934.74	1146.05	**2331.69**
		Non Coking	600-1200	0.00	30.58	26.99	**57.57**
		TOTAL		***4439.18***	***1723.27***	***1467.90***	***7630.35***
	Kamptee	Non Coking	0-300	1483.92	383.63	40.02	**1907.57**
		Non Coking	300-600	325.95	460.78	220.80	**1007.53**
		Non Coking	600-1200	8.03	13.69	138.72	**160.44**
		TOTAL		***1817.90***	***858.10***	***399.54***	***3075.54***
	Umrer Makardhokra	Non Coking	0-300	308.41	0.00	65.53	**373.94**
		Non Coking	300-600	0.00	0.00	83.22	**83.22**
		Non Coking	600-1200	0.00	0.00	11.95	**11.95**
		TOTAL		***308.41***	***0.00***	***160.70***	***469.11***
	Nand Bander	Non Coking	0-300	397.69	298.36	0.00	**696.05**
		Non Coking	300-600	204.37	177.06	0.00	**381.43**
		Non Coking	600-1200	0.00	16.76	0.00	**16.76**
		TOTAL		***602.06***	***492.18***	***0.00***	***1094.24***
	Bokhara	Non Coking	0-300	10.00	0.00	20.00	**30.00**
Maharashtra	***Total***	***Non Coking***	***0-1200***	***7177.55***	***3073.55***	***2048.14***	**12299.24**
Maharashtra	***Total***	***ALL***	***0-1200***	***7177.55***	***3073.55***	***2048.14***	***12299.24***
Maharashtra							
Odisha	Ib-River	Non Coking	0-300	11433.26	5131.91	0.00	**16565.17**
		Non Coking	300-600	1500.09	5136.47	3633.88	**10270.44**
		Non Coking	600-1200	0.00	1235.83	2.69	**1238.52**
		TOTAL		***12933.35***	***11504.21***	***3636.57***	***28074.13***
	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**
		TOTAL		***24457.75***	***22660.33***	***4102.59***	***51220.67***
Odisha	***Total***	***Non Coking***	***0-1200***	***37391.10***	***34164.54***	***7739.16***	**79294.80**
Odisha	***Total***	***ALL***	***0-1200***	***37391.10***	***34164.54***	***7739.16***	***79294.80***
Andhra Pradesh	Godavari Valley	Non Coking	0-300	0.00	482.46	45.03	**527.49**
		Non Coking	300-600	0.00	584.72	107.75	**692.47**
		Non Coking	600-1200	0.00	81.87	278.87	**360.74**
		TOTAL	***0-1200***	***0.00***	***1149.05***	***431.65***	***1580.70***
Andhra Pradesh	***Total***	***Non Coking***	***0-1200***	***0.00***	***1149.05***	***431.65***	**1580.70**
Andhra Pradesh	***Total***	***ALL***	***0-1200***	***0.00***	***1149.05***	***431.65***	***1580.70***

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2018)

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	6341.80	3063.78	107.49	**9513.07**
		Non Coking	300-600	3960.12	4100.95	416.57	**8477.64**
		Non Coking	600-1200	172.98	1411.40	2126.86	**3711.24**
		TOTAL	***0-1200***	***10474.90***	***8576.13***	***2650.92***	***21701.95***
Telangana	***Total***	***Non Coking***	***0-1200***	***10474.90***	***8576.13***	***2650.92***	**21701.95**
Telangana	***Total***	***ALL***	***0-1200***	***10474.90***	***8576.13***	***2650.92***	***21701.95***
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 01-04-2018)

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	0.00	95.12	**97.12**
	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***	***0.00***	***401.69***	***410.45***
Nagaland	***Total***	***ALL***	***0-1200***	***8.76***	***0.00***	***401.69***	***410.45***
INDIA	***Total***	***Prime Coking***	***0-1200***	***4648.87***	***664.19***	***0.00***	***5313.06***
INDIA	***Total***	***Medium Coking***	***0-1200***	***13913.65***	***11708.76***	***1879.47***	***27501.88***
INDIA	***Total***	***Semi Coking***	***0-1200***	***519.44***	***994.87***	***193.21***	***1707.52***
INDIA	***Total***	***Non Coking***	***0-1200***	***129111.66***	***125696.98***	***28101.55***	***282910.19***
INDIA	***Total***	***High Sulphur***	***0-1200***	***593.81***	***99.34***	***894.53***	***1587.68***
INDIA	***Total***		***0-1200***	***148787.43***	***139164.14***	***31068.76***	***319020.33***
INDIA	***Total for Tertiary Coalfields***		***0-1200***	***593.81***	***99.34***	***894.53***	***1587.68***
INDIA	***Total for Gondwana Coalfields****		***0-1200***	***148193.62***	***139064.80***	***30174.23***	***317432.65***
INDIA	***GRAND TOTAL***		***0-1200***	***148787.43***	***139164.14***	***31068.76***	***319020.33***

** Including Sikkim*

TABLE 2.4: COAL RESERVE BY TYPE OF COAL AND DEPTH AS ON (as on 01-04-2018)

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	4041.88	4.01	0.00	***4045.89***
INDIA	*TOTAL (Jharia)*	Prime Coking	600-1200	606.99	660.18	0.00	***1267.17***
INDIA	*TOTAL (Other than Jharia)*	Medium Coking	0-300	7425.04	4091.14	65.79	***11581.97***
INDIA	*TOTAL (Other than Jharia)*	Medium Coking	300-600	1156.11	4513.95	742.50	***6412.56***
INDIA	*TOTAL (Jharia)*	Medium Coking	0-600	4216.10	0.00	0.00	***4216.10***
INDIA	*TOTAL*	Medium Coking	600-1200	1116.40	3103.67	1071.18	***5291.25***
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	83.19	894.53	***1385.68***
INDIA	*TOTAL*	High Sulphur	300-600	185.85	16.15	0.00	***202.00***
INDIA	*TOTAL (Other than Jharia)*	Non Coking	0-300	101892.71	60448.46	8336.31	***170677.48***
INDIA	*TOTAL (Other than Jharia)*	Non Coking	300-600	19685.58	54156.21	14878.19	***88719.98***
INDIA	*TOTAL (Jharia)*	Non Coking	0-600	5657.14	444.86	0.00	***6102.00***
INDIA	*TOTAL*	Non Coking	600-1200	1876.23	10647.45	4887.05	***17410.73***
INDIA	***TOTAL***	***Grand Total***	***0-1200***	***148787.43***	***139164.14***	***31068.76***	***319020.33***

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 01-04-2018)

(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	69.45	1532.28	3509.65	2986.75	2139.09	1.33	**10238.55**	23.13	183.93	456.60	411.81	498.56	0.00	**1574.03**	194.31	**12006.89**
	300-600	54.36	621.05	696.58	584.05	673.98	1.12	**2631.14**	54.58	688.86	1201.37	690.86	640.87	0.00	**3276.54**	1894.53	**7802.21**
	600-1200	12.90	79.74	121.18	77.27	18.25	0.00	**309.34**	152.85	367.36	529.11	418.82	382.92	0.00	**1851.06**	1497.92	**3658.32**
	0-1200	136.71	2233.07	4327.41	3648.07	2831.32	2.45	**13179.03**	230.56	1240.15	2187.08	1521.49	1522.35	0.00	**6701.63**	3586.76	**23467.42**
Barjora	0-300	0.00	0.00	0.00	0.34	200.45	0.00	**200.79**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	**200.79**
Birbhum	0-300	0.00	0.00	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**
	0-1200	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**
Darjeeling	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	15.00	**15.00**
Total		**136.71**	**2233.07**	**4327.41**	**3648.41**	**3031.77**	**2.45**	13379.82	**231.84**	**1303.85**	**3633.87**	**2825.68**	**4449.89**	**0.00**	12445.13	**4503.10**	**30328.05**
Jharkhand																	
Raniganj	0-300	0.00	3.04	51.03	190.45	867.01	0.00	**1111.53**	0.00	0.00	0.00	0.72	88.60	0.00	**89.32**	29.55	**1230.40**
	300-600	0.00	0.00	0.00	20.63	85.40	0.00	**106.03**	0.00	0.00	0.00	142.07	178.00	0.00	**320.07**	2.00	**428.10**
	0-600	0.00	3.04	51.03	211.08	952.41	0.00	**1217.56**	0.00	0.00	0.00	142.79	266.60	0.00	**409.39**	31.55	**1658.50**
Jharia	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**
East	0-300	0.00	0.11	3.15	13.61	78.30	0.00	**95.17**	0.00	7.76	7.77	19.82	21.46	0.00	**56.81**	0.00	**151.98**
Bokaro	300-600	0.00	0.00	0.30	1.55	7.05	0.00	**8.90**	0.00	0.40	0.40	1.61	3.28	0.00	**5.69**	0.00	**14.59**
	0-600	0.00	0.11	3.45	15.16	85.35	0.00	**104.07**	0.00	8.16	8.17	21.43	24.74	0.00	**62.50**	0.00	**166.57**
West	0-300	0.01	3.20	19.00	64.67	229.24	0.45	**316.57**	0.25	0.32	1.35	5.07	14.81	0.00	**21.80**	0.00	**338.37**
Bokaro	300-600	0.00	0.51	2.66	10.12	12.39	0.00	**25.68**	0.00	0.25	1.81	7.11	9.89	0.01	**19.07**	0.00	**44.75**
	0-600	0.01	3.71	21.66	74.79	241.63	0.45	**342.25**	0.25	0.57	3.16	12.18	24.70	0.01	**40.87**	0.00	**383.12**
Ramgarh	0-300	0.00	0.00	0.00	3.50	3.63	0.00	**7.13**	0.00	0.00	0.00	13.10	13.10	0.00	**26.20**	4.60	**37.93**
North	0-300	31.01	51.92	139.44	1001.56	7377.88	9.53	**8611.34**	6.56	1.42	4.61	316.73	2031.65	6.27	**2367.24**	722.03	**11700.61**
Karanpura	300-600	0.11	2.34	21.04	235.66	870.58	0.90	**1130.63**	0.00	2.86	2.93	441.37	687.22	0.16	**1134.54**	729.50	**2994.67**
	600-1200	0.02	0.23	1.19	12.91	76.24	0.15	**90.74**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	**90.74**
	0-1200	31.14	54.49	161.67	1250.13	8324.70	10.58	**9832.71**	6.56	4.28	7.54	758.10	2718.87	6.43	**3501.78**	1451.53	**14786.02**
South	0-300	149.90	151.51	373.55	830.10	1735.11	0.60	**3240.77**	0.02	40.07	84.33	138.40	116.21	0.00	**379.03**	262.40	**3882.20**
Karanpura	300-600	11.85	106.04	148.97	559.46	546.37	0.23	**1372.92**	0.19	35.97	46.78	120.80	172.58	0.00	**376.32**	584.65	**2333.89**
	600-1200	1.17	69.45	176.24	258.30	57.21	0.02	**562.39**	0.00	0.00	7.53	9.35	26.65	0.00	**43.53**	0.00	**605.92**
	0-1200	162.92	327.00	698.76	1647.86	2338.69	0.85	**5176.08**	0.21	76.04	138.64	268.55	315.44	0.00	**798.88**	847.05	**6822.01**
Aurangabad	0-300	0.00	0.00	0.00	0.04	352.01	0.00	**352.05**	0.00	8.04	11.03	134.71	1087.44	0.00	**1241.22**	43.07	**1636.34**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	22.33	95.19	749.49	0.00	**867.01**	423.07	**1290.08**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	14.74	18.68	0.00	**33.42**	37.27	**70.69**
	0-1200	0.00	0.00	0.00	0.04	352.01	0.00	**352.05**	0.00	8.04	33.36	244.64	1855.61	0.00	**2141.65**	503.41	**2997.11**
Hutar	0-300	28.39	56.51	41.01	40.23	24.65	0.00	**190.79**	4.22	5.00	5.00	0.00	0.00	0.00	**14.22**	32.48	**237.49**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	3.17	3.83	3.83	0.72	0.78	0.00	**12.33**	0.00	**12.33**
	0-600	28.39	56.51	41.01	40.23	24.65	0.00	**190.79**	7.39	8.83	8.83	0.72	0.78	0.00	**26.55**	32.48	**249.82**

Contd....

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2018)

(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)**
Daltonganj	0-300	10.00	20.00	29.00	4.00	20.86	0.00	**83.86**	7.14	14.28	20.71	2.86	15.11	0.00	**60.10**	0.00	**143.96**
Deogarh	0-300	0.87	25.19	70.81	90.03	139.34	0.00	**326.24**	0.20	5.68	15.97	20.31	31.44	0.00	**73.60**	0.00	**399.84**
Rajmahal	0-300	0.00	0.56	53.05	166.86	3441.94	1.78	**3664.19**	0.34	27.73	331.51	1676.00	5158.09	35.47	**7229.14**	462.04	**11355.37**
	300-600	0.00	0.00	3.82	35.20	193.32	0.00	**232.34**	0.00	30.45	391.86	1255.51	2243.16	32.17	**3953.15**	1151.95	**5337.44**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.71	29.75	0.00	**30.46**	5.10	**35.56**
	0-1200	0.00	0.56	56.87	202.06	3635.26	1.78	**3896.53**	0.34	58.18	723.37	2932.22	7431.00	67.64	**11212.75**	1619.09	**16728.37**
Total		**302.36**	**536.87**	**1227.61**	**4036.87**	**21565.04**	**13.66**	**27682.41**	**43.58**	**195.67**	**978.50**	**4522.71**	**14339.59**	**74.08**	**20154.13**	**4489.71**	**52326.25**
Bihar																	
Rajmahal	0-300	0.00	0.00	0.00	0.00	161.11	0.00	**161.11**	0.00	0.00	0.00	1.75	167.23	25.38	**194.36**	131.79	**487.26**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	1.37	43.77	93.37	317.49	24.14	**480.14**	260.36	**740.50**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	4.25	19.83	17.10	93.51	4.30	**138.99**	0.00	**138.99**
	0-1200	0.00	0.00	0.00	0.00	161.11	0.00	**161.11**	0.00	5.62	63.60	112.22	578.23	53.82	**813.49**	392.15	**1366.75**
Total		**0.00**	**0.00**	**0.00**	**0.00**	**161.11**	**0.00**	161.11	**0.00**	**5.62**	**63.60**	**112.22**	**578.23**	**53.82**	813.49	**392.15**	**1366.75**
Madhya Pradesh																	
Johilla	0-300	0.31	36.17	70.29	44.33	33.98	0.00	**185.08**	0.00	32.52	32.59	17.25	21.73	0.00	**104.09**	32.83	**322.00**
Umaria	0-300	0.50	11.63	39.02	59.69	66.86	0.00	**177.70**	0.11	0.49	1.02	1.36	0.61	0.00	**3.59**	0.00	**181.29**
Pench-	0-300	53.94	153.23	292.99	280.65	315.46	0.01	**1096.28**	14.57	35.20	55.48	73.43	25.04	0.00	**203.72**	139.38	**1439.38**
Kanhan	300-600	17.61	41.15	66.51	72.97	74.53	0.00	**272.77**	27.57	96.36	133.02	34.32	70.85	4.49	**366.61**	683.39	**1322.77**
	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**	0.86	**0.86**
	0	71.55	194.38	359.50	353.62	389.99	0.01	**1369.05**	42.14	131.56	188.50	107.75	95.89	4.49	**570.33**	823.63	**2763.01**
Pathakhera	0-300	1.08	13.12	63.51	87.45	95.92	0.00	**261.08**	0.00	2.76	4.36	12.54	32.04	0.00	**51.70**	0.00	**312.78**
	300-600	0.00	0.22	4.73	13.63	11.14	0.00	**29.72**	0.00	0.00	2.72	14.68	19.03	0.00	**36.43**	68.00	**134.15**
	0-600	1.08	13.34	68.24	101.08	107.06	0.00	**290.80**	0.00	2.76	7.08	27.22	51.07	0.00	**88.13**	68.00	**446.93**
Gurgunda	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.18	3.74	5.67	62.95	0.00	**72.54**	2.25	**74.79**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.52	0.50	0.24	11.12	0.00	**12.38**	44.98	**57.36**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	6.16	**6.16**
	0-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.70	4.24	5.91	74.07	0.00	**84.92**	53.39	**138.31**
Mohpani	0-300	0.00	0.00	0.00	0.00	7.83	0.00	**7.83**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	**7.83**
Sohagpur	0-300	114.62	260.70	454.86	423.14	563.03	2.47	**1818.82**	104.98	430.68	854.86	632.54	626.42	2.70	**2652.18**	169.60	**4640.60**
	300-600	0.07	6.34	7.35	19.48	29.36	1.10	**63.70**	122.83	416.78	530.05	311.50	273.48	2.67	**1657.31**	9.62	**1730.63**
	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**	228.77	860.10	1388.05	953.26	907.55	5.37	**4343.10**	179.22	**6404.84**
Singrauli	0-300	4.62	87.42	783.52	1234.32	3545.13	17.28	**5672.29**	41.87	190.03	723.05	567.67	762.43	13.36	**2298.41**	1381.47	**9352.17**
	300-600	2.45	35.62	134.72	569.43	1255.23	10.26	**2007.71**	28.75	300.59	588.43	957.01	979.30	75.59	**2929.67**	952.90	**5890.28**
	600-1200	0.00	0.71	0.56	0.61	8.83	0.10	**10.81**	16.56	41.92	46.66	24.61	40.47	1.38	**171.60**	110.40	**292.81**
	0-1200	7.07	123.75	918.80	1804.36	4809.19	27.64	**7690.81**	87.18	532.54	1358.14	1549.29	1782.20	90.33	**5399.68**	2444.77	**15535.26**
Total		**195.20**	**646.31**	**1918.06**	**2805.70**	**6007.30**	**31.22**	11603.79	**358.20**	**1560.67**	**2979.62**	**2662.04**	**2933.12**	**100.19**	10593.84	**3601.84**	**25799.47**
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	98.94	272.09	175.50	253.03	503.65	32.49	**1335.70**	17.18	46.69	116.63	149.74	279.34	3.22	**612.80**	5.15	**1953.65**
	300-600	0.00	0.02	0.00	0.20	0.00	0.00	**0.22**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	**0.22**
	0-600	98.94	272.11	175.50	253.23	503.65	32.49	**1335.92**	17.18	46.69	116.63	149.74	279.34	3.22	**612.80**	5.15	**1953.87**

Contd....

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2018)

(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)**
East of Bisrampu	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	14.95	5.59	28.17	77.54	38.57	0.00	**164.82**	0.00	**164.82**
Lakhanpur	0-300	4.22	44.21	125.23	135.25	146.97	0.00	**455.88**	0.00	0.00	0.03	0.79	2.53	0.00	**3.35**	0.00	**459.23**
Panchbahini	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.01	6.60	1.73	2.66	0.00	**11.00**	0.00	**11.00**
Hasdo-Arand	0-300	1.36	18.41	100.95	360.57	1540.55	0.00	**2021.84**	61.42	151.19	634.46	1279.95	1086.42	0.00	**3213.44**	220.15	**5455.43**
	300-600	0.00	0.00	0.06	1.43	8.95	0.00	**10.44**	8.69	28.80	12.06	8.12	2.31	0.00	**59.98**	2.97	**73.39**
	0-600	1.36	18.41	101.01	362.00	1549.50	0.00	**2032.28**	70.11	179.99	646.52	1288.07	1088.73	0.00	**3273.42**	223.12	**5528.82**
Sendurgarh	0-300	0.78	27.79	48.24	32.53	43.55	0.00	**152.89**	11.57	51.22	30.77	19.27	13.49	0.00	**126.32**	0.00	**279.21**
Korba	0-300	223.01	110.08	148.96	255.05	4502.89	26.35	**5266.34**	38.15	32.95	114.86	126.29	3179.25	0.00	**3491.50**	99.91	**8857.75**
	300-600	10.00	0.00	0.00	6.26	591.88	2.78	**610.92**	7.50	0.00	39.81	372.77	1872.12	0.00	**2292.20**	68.11	**2971.23**
	0-600	233.01	110.08	148.96	261.31	5094.77	29.13	**5877.26**	45.65	32.95	154.67	499.06	5051.37	0.00	**5783.70**	168.02	**11828.98**
Mand-Raigarh	0-300	24.27	41.05	220.01	666.29	6996.71	57.17	**8005.50**	79.09	31.75	241.75	1769.04	9490.15	16.76	**11628.54**	1043.19	**20677.23**
	300-600	70.19	39.81	177.53	393.68	828.39	0.29	**1509.89**	98.30	82.17	389.78	1600.23	4678.91	48.01	**6897.40**	519.85	**8927.14**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.48	1.84	84.72	175.97	382.03	0.00	**645.04**	0.00	**645.04**
	0-1200	94.46	80.86	397.54	1059.97	7825.10	57.46	**9515.39**	177.87	115.76	716.25	3545.24	14551.09	64.77	**19170.98**	1563.04	**30249.41**
Tatapani	0-300	1.15	1.08	2.54	3.92	41.74	0.00	**50.43**	28.86	73.83	240.37	295.82	539.71	1.38	**1179.97**	24.85	**1255.25**
Ramkola	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	73.83	108.51	251.21	322.39	697.85	3.22	**1457.01**	184.83	**1641.84**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	21.69	52.76	31.92	84.38	235.03	3.49	**429.27**	0.00	**429.27**
	0-1200	1.15	1.08	2.54	3.92	41.74	0.00	**50.43**	124.38	235.10	523.50	702.59	1472.59	8.09	**3066.25**	209.68	**3326.36**
Total		**625.71**	**838.12**	**1210.89**	**2182.39**	**15375.46**	**124.37**	**20356.94**	**479.51**	**853.89**	**2579.78**	**7082.57**	**23405.18**	**76.08**	**34477.01**	**2201.90**	**57035.85**
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	31.47	297.93	1705.05	2117.94	35.89	**4188.28**	0.00	24.33	46.14	322.51	364.48	0.49	**757.95**	294.86	**5241.09**
	300-600	0.00	0.00	1.84	39.64	200.83	8.59	**250.90**	0.00	46.03	105.52	214.91	564.92	3.36	**934.74**	1146.05	**2331.69**
	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	31.47	299.77	1744.69	2318.77	44.48	**4439.18**	0.00	70.36	151.66	548.51	948.89	3.85	**1723.27**	1467.90	**7630.35**
Kamptee	0-300	2.15	67.87	338.94	438.32	635.97	0.67	**1483.92**	4.87	7.64	101.18	111.06	158.88	0.00	**383.63**	40.02	**1907.57**
	300-600	0.03	6.49	36.88	147.28	134.53	0.74	**325.95**	16.61	20.92	169.93	78.02	175.30	0.00	**460.78**	220.80	**1007.53**
	600-1200	0.00	1.42	0.64	2.66	3.31	0.00	**8.03**	6.77	0.00	0.31	2.22	4.39	0.00	**13.69**	138.72	**160.44**
	0-1200	2.18	75.78	376.46	588.26	773.81	1.41	**1817.90**	28.25	28.56	271.42	191.30	338.57	0.00	**858.10**	399.54	**3075.54**
Umrer-	0-300	0.00	0.53	42.18	127.29	138.41	0.00	**308.41**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	65.53	**373.94**
Makardhokra	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	83.22	**83.22**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	11.95	**11.95**
	0-1200	0.00	0.53	42.18	127.29	138.41	0.00	**308.41**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	160.70	**469.11**
Nand-Bander	0-300	2.80	45.41	88.82	98.20	162.46	0.00	**397.69**	0.00	9.84	77.52	110.92	100.08	0.00	**298.36**	0.00	**696.05**
	300-600	0.06	5.18	18.86	22.44	157.83	0.00	**204.37**	0.00	11.45	72.33	46.06	47.22	0.00	**177.06**	0.00	**381.43**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	5.40	9.00	1.72	0.64	0.00	**16.76**	0.00	**16.76**
	0-1200	2.86	50.59	107.68	120.64	320.29	0.00	**602.06**	0.00	26.69	158.85	158.70	147.94	0.00	**492.18**	0.00	**1094.24**
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		**5.04**	**159.70**	**827.42**	**2583.54**	**3555.96**	**45.89**	**7177.55**	**28.25**	**125.61**	**581.93**	**898.51**	**1435.40**	**3.85**	**3073.55**	**2048.14**	**12299.24**

Contd....

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2018)

(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)**
Odisha																	
Ib-River	0-300	0.33	4.89	58.87	436.54	10713.89	218.74	**11433.26**	4.15	10.56	70.14	213.24	4802.53	31.29	**5131.91**	0.00	**16565.17**
	300-600	0.00	11.91	56.84	122.95	1278.21	30.18	**1500.09**	15.86	142.08	217.15	556.04	4098.27	107.07	**5136.47**	3633.88	**10270.44**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.63	34.38	119.85	1002.02	78.95	**1235.83**	2.69	**1238.52**
	0-1200	0.33	16.80	115.71	559.49	11992.10	248.92	**12933.35**	20.01	153.27	321.67	889.13	9902.82	217.31	**11504.21**	3636.57	**28074.13**
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		**35.72**	**254.32**	**412.01**	**1264.48**	**34332.59**	**1091.98**	**37391.10**	**103.66**	**462.47**	**886.91**	**3348.48**	**29145.71**	**217.31**	**34164.54**	**7739.16**	**79294.80**
Andhra Pradesh																	
Godavari	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	3.82	19.81	458.83	0.00	**482.46**	45.03	**527.49**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	4.56	13.91	566.25	0.00	**584.72**	107.75	**692.47**
	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	0.00	0.00	0.00	**0.00**	0.00	0.00	10.16	33.72	1105.17	0.00	**1149.05**	431.65	**1580.70**
Total		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**10.16**	**33.72**	**1105.17**	**0.00**	**1149.05**	**431.65**	**1580.70**
Telangana																	
Godavari	0-300	46.32	237.61	1234.67	1291.27	3529.80	2.13	**6341.80**	45.73	96.68	337.20	527.42	2056.75	0.00	**3063.78**	107.49	**9513.07**
	300-600	32.93	215.71	715.17	1143.14	1851.65	1.52	**3960.12**	44.86	156.07	497.82	712.50	2689.70	0.00	**4100.95**	416.57	**8477.64**
	600-1200	2.21	9.92	11.20	43.78	105.84	0.03	**172.98**	8.16	149.19	228.13	407.07	618.85	0.00	**1411.40**	2126.86	**3711.24**
	0-1200	81.46	463.24	1961.04	2478.19	5487.29	3.68	**10474.90**	98.75	401.94	1063.15	1646.99	5365.30	0.00	**8576.13**	2650.92	**21701.95**
Total		**81.46**	**463.24**	**1961.04**	**2478.19**	**5487.29**	**3.68**	**10474.90**	**98.75**	**401.94**	**1063.15**	**1646.99**	**5365.30**	**0.00**	**8576.13**	**2650.92**	**21701.95**
Assam																	
Singrimari	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	2.79	0.00	4.83	3.02	0.00	**10.64**	0.00	**10.64**
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.55	2.91	0.00	**3.46**	0.00	**3.46**
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	**0.00**
	0-1200	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	2.79	0.00	5.38	5.93	0.00	**14.10**	0.00	**14.10**
Total		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**2.79**	**0.00**	**5.38**	**5.93**	**0.00**	**14.10**	**0.00**	**14.10**
Sikkim																	
Rangit Valley	0-300	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	4.43	48.21	5.61	0.00	**58.25**	42.98	**101.23**
Total		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**4.43**	**48.21**	**5.61**	**0.00**	**58.25**	**42.98**	**101.23**
Grand Total		**1382.20**	**5131.63**	**11892.49**	**19275.38**	**90116.71**	**1313.25**	**129111.66**	**1343.79**	**4912.51**	**12781.95**	**23285.60**	**82847.80**	**525.33**	**125696.98**	**28101.55**	**282910.19**

Source: Geological Survey Of India

TABLE - 2.6 : STATEWISE INVENTORY OF GEOLOGICAL RESERVE OF LIGNITE

AS ON 1st APRIL 2015, 2016 & 2017

State	As on	Resources (Quantiry in Million Tonnes)			
		Proved	Indicated	Inferred	***Total***
(2)	(1)	(3)	(4)	(5)	***(6)***
Gujarat	01-04-2016	1278.65	283.70	1159.70	***2722.05***
	01-04-2017	1278.65	283.70	1159.70	***2722.05***
	01-04-2018	1278.65	283.70	1159.70	***2722.05***
J & K	01-04-2016	0.00	20.25	7.30	***27.55***
	01-04-2017	0.00	20.25	7.30	***27.55***
	01-04-2018	0.00	20.25	7.30	***27.55***
Kerala	01-04-2016	0.00	0.00	9.65	***9.65***
	01-04-2017	0.00	0.00	9.65	***9.65***
	01-04-2018	0.00	0.00	9.65	***9.65***
Pondicherry	01-04-2016	0.00	405.61	11.00	***416.61***
	01-04-2017	0.00	405.61	11.00	***416.61***
	01-04-2018	0.00	405.61	11.00	***416.61***
Rajasthan	01-04-2016	1168.53	2670.84	1896.60	***5735.98***
	01-04-2017	1168.53	2670.84	1896.60	***5735.98***
	01-04-2018	1168.53	3029.78	2150.77	***6349.08***
Tamilnadu	01-04-2016	3735.23	22991.17	8953.53	***35679.93***
	01-04-2017	4093.53	22632.87	9055.98	***35782.38***
	01-04-2018	4093.53	22648.33	9392.85	***36134.71***
West Bengal	01-04-2016	0.00	1.13	1.64	***2.77***
	01-04-2017	0.00	1.13	2.80	***3.93***
	01-04-2018	0.00	1.13	2.80	***3.93***
All India	***01-04-2016***	***6182.41***	***26372.70***	***12039.42***	***44594.53***
	01-04-2017	***6540.71***	***26014.40***	***12143.03***	***44698.14***
	01-04-2018	***6540.71***	***26388.80***	***12734.07***	***45663.58***

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2018)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
Neyveli lignite field							
Pandicherry	Bahur	0-150	0.00	405.61	0.00	**405.61**	***405.61***
	West of Bahur	0-150	0.00	0.00	11.00	**11.00**	***11.00***
Total for Pandicherry			***0.00***	***405.61***	***11.00***	***416.61***	***416.61***
Tamil Nadu							
Cuddalore	*Bahur	0-150	0.00	168.78	0.00	**168.78**	***168.78***
	*West of Bahur	0-150	0.00	0.00	102.19	**102.19**	***102.19***
	Bhuvanagiri-Kullanchavadi	150-300	0.00	0.00	385.40	**385.40**	***385.40***
	Eastern part of Neyveli	150-300	0.00	218.65	37.68	**256.33**	
		>300	0.00	156.86	149.13	**305.99**	***562.32***
	Eastern part of NLC leasehold area	>150	0.00	0.00	55.00	**55.00**	***55.00***
	NLC Leasehold areas (Mine-I & Expansion, Mine 1A, II & Expansion,Mine III,Block B, Mine I, Mine II, Mine III and river) Devangudi & areas locked up between	0-150	2831.00	134.00	138.00	**3103.00**	
		150-300	0.00	0.00	24.00	**24.00**	***3127.00***
	Kudikadu	0-150	0.00	0.00	133.38	**133.38**	***133.38***
	Kullanchavadi	>150	0.00	0.00	175.00	**175.00**	***175.00***
	South of Vellar(Srimushnam)	0-150	353.13	147.87	0.00	**501.00**	
		150-300	5.17	3.83	0.00	**9.00**	***510.00***
	Veeranam(Lalpettai)	150-300	0.00	1341.17	0.00	**1341.17**	
		>300	0.00	1.28	0.00	**1.28**	***1342.45***
	East of Sethiatope	0-150	0.00	24.71	0.00	**24.71**	
		150-300	0.00	44.95	0.00	**44.95**	
		>300	0.00	21.46	0.00	**21.46**	***91.12***
	Chidambaram	0-150	0.00	0.00	18.85	**18.85**	
		150-300	0.00	0.00	24.29	**24.29**	
		>300	0.00	0.00	0.59	**0.59**	***43.73***
	Vayalamur	0-150	0.00	0.00	29.40	**29.40**	
		150-300	0.00	0.00	4.50	**4.50**	
		>300	0.00	0.00	24.82	**24.82**	***58.72***
Ariyalur	Meensuruti	0-150	0.00	0.00	458.00	**458.00**	***458.00***
	Jayamkondamcholapuram	0-150	904.23	302.50	0.00	**1206.73**	***1206.73***
	Michaelpatti Extention	0-150	0.00	0.00	23.07	**23.07**	***23.07***
	Michaelpatti Extention	0-150	0.00	0.00	31.30	**31.30**	***31.30***
	Neyveli Lignite Fields		***4093.53***	***2971.67***	***1825.60***	***8890.80***	***8890.80***
	(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 01.04.2018)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
Mannargudi lignite field							
Thanjavur &	Mannargudi-Central	150-300	0.00	3159.00	0.00	**3159.00**	
Thiruvarur		>300	0.00	1843.55	0.00	**1843.55**	***5002.55***
	Mannargudi-NE	150-300	0.00	275.26	0.00	**275.26**	
		>300	0.00	5867.28	0.00	**5867.28**	***6142.54***
	Mannargudi-NE extn.	>300	0.00	0.00	3057.95	**3057.95**	***3057.95***
	Mannargudi-SE	150-300	0.00	553.00	0.00	**553.00**	
		>300	0.00	5505.37	0.00	**5505.37**	***6058.37***
	Melnattam-Agraharam	150-300	0.00	44.60	65.51	**110.11**	***110.11***
Thanjavur	Cholapuram	150-300	0.00	15.46	83.67	**99.13**	***99.13***
	Mannargudi -NW	150-300	0.00	575.57	0.00	**575.57**	
		>300	0.00	421.10	0.00	**421.10**	***996.67***
	Mannargudi -SW	150-300	0.00	481.80	0.00	**481.80**	***481.80***
	Maharajapuram	150-300	0.00	23.95	0.00	**23.95**	***23.95***
	Orattanadu-Pattukottai	150-300	0.00	10.80	44.31	**55.11**	***55.11***
	Vadaseri(Orattanadu-Pattukottai)	0-150	0.00	9.37	0.00	**9.37**	
		150-300	0.00	745.83	0.00	**745.83**	***755.20***
	Madukkur-Anaikkadu	150-300	0.00	17.41	28.35	**45.76**	***45.76***
	Veppanagulam-Kasangadu	150-300	0.00	4.88	0.00	**4.88**	***4.88***
Thanjavur &	Alangudi	150-300	0.00	24.98	48.01	**72.99**	
Nagappattinam		>300	0.00	29.31	55.72	**85.03**	***158.02***
	Kadalangudi	0-150	0.00	0.00	0.43	**0.43**	
		150-300	0.00	0.00	317.74	**317.74**	
		>300	0.00	0.00	74.26	**74.26**	***392.43***
	Pandanallur	150-300	0.00	6.48	12.94	**19.42**	
		>300	0.00	18.14	36.11	**54.25**	***73.67***
	Thirumangalam	>300	0.00	233.22	295.30	**528.52**	***528.52***
	Tiruumangaichcheri	150-300	0.00	21.05	43.90	**64.95**	
		>300	0.00	26.03	42.21	**68.24**	***133.19***
Thiruvarur & Nagappattinam	Nachiyarkudi	>300	0.00	0.00	574.05	**574.05**	***574.05***
	Mannargudi lignite Field		***0.00***	***19913.44***	***4780.46***	***24693.90***	***24693.90***

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2018)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
Ramanathapuram lignite field							
Ramanathapuram	Bogalur	>300	0.00	48.28	76.34	**124.62**	***124.62***
	Bogalur East	>300	0.00	0.00	469.58	**469.58**	***469.58***
	Misal	>300	0.00	23.92	28.79	**52.71**	***52.71***
	Tiyanur	>300	0.00	96.63	167.30	**263.93**	***263.93***
	Uttarakosamangai	150-300	0.00	0.00	1.54	**1.54**	
		>300	0.00	0.00	467.22	**467.22**	***468.76***
	Kalari North	>300	0.00	0.00	221.90	**221.90**	***221.90***
	Kalari West	>300	0.00	0.00	379.91	**379.91**	***379.91***
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***
Total for Tamil Nadu			***4093.53***	***22648.33***	***9392.85***	***36134.71***	***36134.71***
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 01.04.2018)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(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 01.04.2018)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
	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***
Barmer	Baytu	0-150	0.00	0.00	0.04	**0.04**	
		150-300	0.00	0.00	21.31	**21.31**	
		>300	0.00	0	46.14	**46.14**	***67.49***
	Bharka	0-150	0.00	8.45	0.00	**8.45**	
		150-300	0.00	1.00	0.00	**1.00**	***9.45***
	Bharka	0-150	0.00	12.86	2.12	**14.98**	
		150-300	0.00	66.60	0.40	**67.00**	
		>300	0.00	50.06	0	**50.06**	***132.04***
	Bothia-Bhakra- Dunga	0-300	0.00	9.35	0.00	**9.35**	***9.35***
	Bothia(Jalipa N Ext.)	0-300	0.00	151.67	0.00	**151.67**	***151.67***
	Chokla North	0-300	0.00	0.00	234.77	**234.77**	***234.77***
	Giral	0-150	20.00	81.90	0.00	**101.90**	***101.90***
	Hodu	0-300	0.00	78.17	80.55	**158.72**	
		>300	0.00	0.00	6.85	**6.85**	***165.57***
	Jalipa	0-150	224.28	0.00	0.00	**224.28**	
		150-300	100.55	0.00	0.00	**100.55**	***324.83***

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2018)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(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	0-150	0.00	11.47	0.00	**11.47**	
	(covering Kurla East North & South	150-300	0.00	48.47	0.00	**48.47**	
	sub blocks)	>300	0.00	458.44	250.13	**708.57**	***768.51***
	Magne-ki-Dhani	0-150	0.00	0.00	8.78	**8.78**	
		150-300	0.00	0.00	3.91	**3.91**	
		>300	0.00	0.00	0.04	**0.04**	***12.73***
	Mahabar-Shivkar	0-150	0.00	9.22	24.30	**33.52**	
		150-300	0.00	2.93	7.61	**10.54**	***44.06***
	Matasartala	0-150	0.00	0.00	34.14	**34.14**	
		150-300	0.00	0.00	53.89	**53.89**	***88.03***
	Mithra	0-150	0.00	0.09	0.39	**0.48**	
		150-300	0.00	0.45	1.53	**1.98**	***2.46***
	Munabao	150-300	0.00	0.00	9.85	**9.85**	***9.85***
	Nagurda	0-150	0.00	103.68	0.00	**103.68**	
		150-300	0.00	127.87	0.00	**127.87**	
		>300	0.00	0.70	0.00	**0.70**	***232.25***
	Nagurda (East)	0-150	0.00	18.46	0.00	**18.46**	
		150-300	0.00	3.23	0.00	**3.23**	***21.69***
	Nimbalkot	0-100	0.00	0.00	8.97	**8.97**	
		100-300	0.00	0.00	85.49	**85.49**	
		>300	0.00	0.00	15.14	**15.14**	***109.60***
	Nimbalkot North	0-100	0.00	0.00	1.93	**1.93**	
		100-300	0.00	0.00	22.34	**22.34**	
		>300	0.00	0.00	3.45	**3.45**	***27.72***
	Sachha-Sauda	0-300	0.00	28.70	0.00	**28.70**	***28.70***
	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 01.04.2018)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
	Sindhari West	>150	0.00	894.93	339.25	**1234.18**	***1234.18***
	Sonari	0-300	0.00	43.59	0.00	**43.59**	***43.59***
	South of Nimbla	0-150	0.00	0.00	96.39	**96.39**	
		150-300	0.00	0.00	13.21	**13.21**	***109.60***
Jaisalmer & Bikaner	Panna	0-150	0.00	0.00	2.21	**2.21**	***2.21***
	Charanwala	0-150	0.00	0.00	5.62	**5.62**	
		150-300	0.00	0.00	3.64	**3.64**	***9.26***
Jaisalmer & barmer	Khuri	0-300	0.00	0.00	13.80	**13.80**	***13.80***
Jaisalmer	Bhanda	0-150	0.00	0.00	2.66	**2.66**	***2.66***
	Khuiyala	0-150	0.00	0.00	22.52	**22.52**	**22.52**
	Ramgarh	0-150	0.00	0.00	40.96	**40.96**	
		150-300	0.00	0.00	4.30	**4.30**	***45.26***
Jalore	Sewara	150-300	0.00	0.00	33.43	**33.43**	
		>300	0.00	0.00	42.65	**42.65**	***76.08***
Nagaur	Deswal	150-300	0.00	0.00	16.37	**16.37**	***16.37***
	Gangardi	150-300	0.00	166.91	11.44	**178.35**	***178.35***
	Indawar	0-150	12.00	0.00	0.00	**12.00**	***12.00***
	Kaprion-ka-Dhani	0-150	17.00	0.00	0.00	**17.00**	***17.00***
	Kasnau-Igiar	0-150	64.90	0.00	0.00	**64.90**	***64.90***
	Kuchera	0-150	0.00	0.00	1.00	**1.00**	***1.00***
	Lunsara	0-300	0.00	7.17	0.00	**7.17**	***7.17***
	Matasukh	0-150	10.10	0.00	0.00	**10.10**	***10.10***
	Merta Road & Meeranagar	0-150	0.00	23.90	59.35	**83.25**	***83.25***
	Mokala	0-150	0.00	29.00	0.00	**29.00**	***29.00***
	Nimbri-Chandawatan	0-150	9.00	0.00	0.00	**9.00**	***9.00***
	Ucharda	0-150	0.00	4.22	7.11	**11.33**	
		150-300	0.00	58.29	61.21	**119.50**	***130.83***
Nagaur & Pali	Phalki	0-150	0.00	0.18	0.00	**0.18**	
		150-300	0.00	0.32	0.00	**0.32**	***0.50***
	Phalki North	0-150	0.00	0.00	1.98	**1.98**	
		150-300	0.00	0.00	11.06	**11.06**	***13.04***
	Phalodi	0-150	0.00	0.00	0.95	**0.95**	
		150-300	0.00	0.00	4.70	**4.70**	***5.65***
Total for Rajasthan			***1168.53***	***3029.78***	***2150.77***	***6349.07***	***6349.08***

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2018)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(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**	***299.17***
Bharuch	Bhuri	0-150	10.59	31.56	0.00	**42.15**	***42.15***
	Valia,Bhaga,Luna,Pansoli,	0-150	225.88	0.00	0.00	**225.88**	
	Nani Pardi etc.	>150	232.50	0.00	0.00	**232.50**	
		0-300	251.68	87.03	178.47	**517.18**	***975.56***
	Bhimpur	0-150	3.60	0.00	0.00	**3.60**	
		150-300	0.51	0.00	0.00	**0.51**	***4.11***
	Rajpardi (GMDC leasehold) byMECL	0-150	0.00	0.00	20.72	**20.72**	***20.72***
	Rajpardi (CGM) by MECL	0-300	0.00	0.00	292.04	**292.04**	***292.04***
Surat	Tadkeswar	0-300	0.00	0.00	123.10	**123.10**	***123.10***
	Dungra	0-300	0.00	0.00	92.52	**92.52**	***92.52***
	East of Kamrej-Vesma	150-300	0.00	0.00	7.92	**7.92**	***7.92***
Surat	Tadkeswar Block-Mongrol, Mandvi, Vastan, Nani Naroli,Ghala etc.	0-300	218.28	108.71	112.67	**439.66**	***439.66***
Total for Gujarat			***1278.65***	***283.70***	***1159.70***	***2722.05***	***2722.05***

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2018)

(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(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***
Total for J & K			***0.00***	***20.25***	***7.30***	***27.55***	***27.55***
Kerala							
Kannanur	Madayi	0-150	0.00	0.00	5.60	**5.60**	***5.60***
	Nileswaram	0-150	0.00	0.00	2.50	**2.50**	***2.50***
	Kadamkottumala	0-150	0.00	0.00	1.00	**1.00**	***1.00***
	Kayyur	0-150	0.00	0.00	0.55	**0.55**	***0.55***
Total for Kerala			***0.00***	***0.00***	***9.65***	***9.65***	***9.65***
West Bengal	Rakshitpur	0-150	0.00	0.29	0.86	**1.15**	***1.15***
	Gourangapur- Bankati	0-151	0.00	0.00	0.96	**0.96**	***0.96***
	Mahalla	150-300	0.00	0.64	0.00	**0.64**	***0.64***
	Dhobbanpur	150-300	0.00	0.20	0.78	**0.98**	***0.98***
	Djara	150-300	0.00	0.00	0.20	**0.20**	***0.20***
Total for West Bengal			***0.00***	***1.13***	***2.80***	***3.93***	***3.93***
Grand Total for all States			***6540.71***	***26388.80***	***12734.07***	***45663.58***	***45663.58***

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

Command Area → Year	Agency	CIL (Coal)	SCCL (Coal)	NLC (Lignite)	***TOTAL***
(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(XTH Plan)	***All Agencies***	***273978***	***86022***	***263489***	***623489***
2007-08	Geological Survey of India	11473	0	7487	***18960***
2007-08	Mineral Exploration Corporation Ltd.	38563	17154	37863	***93580***
2007-08	Central Mine Planning & Design Inst.	2992	0	0	***2992***
2007-08	***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	***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	***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	***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	***All Agencies***	***34930***	***9228***	***49564***	***93722***
TOTAL (XITH Plan)	***Geological Survey of India***	***72052***	***0***	***32791***	***104843***
TOTAL (XITH Plan)	***Mineral Exploration Corporation Ltd.***	***124862***	***63053***	***242990***	***430905***
TOTAL (XITH Plan)	***DGM (Nagaland)***	***372***	***0***	***0***	***372***
TOTAL (XITH Plan)	***Central Mine Planning & Design Inst.***	***11948***	***0***	***0***	***11948***
G. TOTAL (XITH 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(XIITH Plan)	***All Agencies***	***36725***	***8899***	***67728***	***113352***

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

Command Area →		CIL	SCCL	NLC	***TOTAL***
Year	Agency	(Coal)	(Coal)	(Lignite)	
(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(XIITH Plan)	***All Agencies***	***53695***	***9553***	***68774***	***132022***
2014-15	Geological Survey of India	18905	0	8446	***27351***
2014-15	Mineral Exploration Corporation Ltd.	46749	3575	60331	***110655***
2014-15	DGM (Nagaland)	427			***427***
2014-15	Central Mine Planning & Design Inst.	1064	0	0	***1064***
2014-15(XIITH Plan)	***All Agencies***	***67145***	***3575***	***68777***	***139497***
2015-16	Geological Survey of India	16116	0	7953	***24069***
2015-16	Mineral Exploration Corporation Ltd.	35216	0	52301	***87517***
2015-16	DGM (Nagaland)	754			***754***
2015-16	Central Mine Planning & Design Inst.	0	0	0	***0***
2015-16(XIITH Plan)	***All Agencies***	***52086***	***0***	***60254***	***112340***
2016-17	Geological Survey of India	0	0	3500	***3500***
2016-17	Mineral Exploration Corporation Ltd.	49100	0	52186	***101286***
2016-17	DGM (Nagaland)	595			***595***
2016-17	Central Mine Planning & Design Inst.	0	0	0	***0***
2016-17(XIITH Plan)	***All Agencies***	***49695***	***0***	***55686***	***105381***
TOTAL (XIITH Plan)	***Geological Survey of India***	***65312***	***0***	***35658***	***100970***
TOTAL (XIITH Plan)	***Mineral Exploration Corporation Ltd.***	***189960***	***22027***	***285561***	***497548***
TOTAL (XIITH Plan)	***DGM (Nagaland)***	***2887***	***0***	***0***	***2887***
TOTAL (XIITH Plan)	***Central Mine Planning & Design Inst.***	***1187***	***0***	***0***	***1187***
G. TOTAL (XIITH Plan)	***All Agencies***	***259346***	***22027***	***321219***	***602592***
2017-18	Geological Survey of India	0	0	341	***341***
2017-18	Mineral Exploration Corporation Ltd.	85282	0	41553	***126835***
2017-18	DGM (Nagaland)	808	0	0	***808***
2017-18	Central Mine Planning & Design Inst.	6713	0	0	***6713***
2017-18(XIIITH Plan)	***All Agencies***	***92803***	***0***	***41895***	***134697***
TOTAL (XIIITH Plan)	***Geological Survey of India***	***0***	***0***	***341***	***341***
TOTAL (XIIITH Plan)	***Mineral Exploration Corporation Ltd.***	***85282***	***0***	***41553***	***126835***
TOTAL (XIIITH Plan)	***DGM (Nagaland)***	***808***	***0***	***0***	***808***
TOTAL (XIIITH Plan)	***Central Mine Planning & Design Inst.***	***6713***	***0***	***0***	***6713***
G. TOTAL (XIIITH Plan)	***All Agencies***	***92803***	***0***	***41895***	***134697***

Note: XTH Plan 2002-2003 to 2006-2007, XITH Plan 2007-2008 to 2011-2012, XIITH plan 2012-2013 to 2016-17 and XIIITH plan 2017-2018 to 2021-22.

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

Command Area	⟶	CIL										SCCL
Year	Agency	Blocks	ECL	BCCL	CCL	NCL	WCL	SECL	MCL	NEC	***TOTAL CIL***	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	***(12)***	(13)
2002-2007(X Plan)	DEPARTMENTAL	CIL	98354	8391	63103	51783	96026	162116	166142	0	***645915***	**0**
2002-2007(X Plan)	DEPARTMENTAL	Non-CIL	0	0	61788	8392	19645	87775	53803	0	***231403***	**332173**
2002-2007(X Plan)	MECL	Non-CIL	0	0	4837	0	0	4797	22959	0	***32593***	**0**
2002-2007(X Plan)	CG/MP/Odisha Govt.	CIL	0	0	0	0	2744	28831	11727	0	***41273***	**0**
2002-2007(X Plan)	***All Agencies***	***Total***	***98354***	***8391***	***129728***	***60175***	***118415***	***283519***	***254631***	***0***	***951184***	***332173***
2007-08	DEPARTMENTAL	CIL	22353		26912	3072	26513	47032	27825	0	***153707***	
2007-08	DEPARTMENTAL	Non-CIL			5233	9396	5886	7763	16873		***45151***	78380
2007-08	***DEPARTMENTAL***	***Total***	***22353***		***32145***	***12468***	***32399***	***54795***	***44698***		***198858***	***78380***
2007-08	MECL	Non-CIL									***0***	
2007-08	CG/MP/Odisha Govt.	CIL					1071	3831	2449		***7351***	
2007-08	Private Parties	CIL										
2007-08	All Agencies	CIL	22353	0	26912	3072	27584	50863	30274	0	***161058***	
2007-08	All Agencies	Non-CIL	0	0	5233	9396	5886	7763	16873	0	***45151***	78380
2007-08	***All Agencies***	***Total***	***22353***	***0***	***32145***	***12468***	***33470***	***58626***	***47147***	***0***	***206209***	***78380***
2008-09	DEPARTMENTAL	CIL	25666		27679	14104	23381	48358	23407	0	***162595***	
2008-09	DEPARTMENTAL	Non-CIL			9485		10705	7570	32176		***59936***	84686
2008-09	***DEPARTMENTAL***	***Total***	***25666***		***37164***	***14104***	***34086***	***55928***	***55583***		***222531***	***84686***
2008-09	MECL	Non-CIL									***0***	
2008-09	CG/MP/Odisha Govt.	CIL						3321	5019		***8340***	
2008-09	Private /Contractual	CIL		5259			3563	8895		3733	***21450***	
2008-09	Private /Contractual	Non-CIL						14394			***14394***	
2008-09	***Private /Contractual***	***Total***	***0***	***5259***	***0***	***0***	***3563***	***23289***	***0***	***3733***	***35844***	
2008-09	All Agencies	CIL	25666	5259	27679	14104	26944	60574	28426	3733	*192385*	
2008-09	All Agencies	Non-CIL	0	0	9485	0	10705	21964	32176	0	*74330*	84686
2008-09	***All Agencies***	***Total***	***25666***	***5259***	***37164***	***14104***	***37649***	***82538***	***60602***	***3733***	***266715***	***84686***
2009-10	DEPARTMENTAL	CIL	27749		24765	14993	28476	64441	22129	0	***182553***	
2009-10	DEPARTMENTAL	Non-CIL	1509		14372		10406	9158	44058		***79503***	92314
2009-10	***DEPARTMENTAL***	***Total***	***29258***		***39137***	***14993***	***38882***	***73599***	***66187***		***262056***	***92314***
2009-10	MECL	CIL		2047		17378		4720			***24145***	
2009-10	MECL	Non-CIL									***0***	
2009-10	CG/MP/Odisha Govt.	CIL						3421	5680		***9101***	
2009-10	Private /Contractual	CIL		17704			2902	268		10906	***31780***	
2009-10	Private /Contractual	Non-CIL	19443					120659			***140102***	
2009-10	***Private /Contractual***	***Total***	***19443***	***17704***	***0***	***0***	***2902***	***120927***	***0***	***10906***	***171882***	
2009-10	All Agencies	CIL	27749	19751	24765	32371	31378	72850	27809	10906	247579	
2009-10	All Agencies	Non-CIL	20952	0	14372	0	10406	129817	44058	0	*219605*	92314
2009-10	***All Agencies***	***Total***	***48701***	***19751***	***39137***	***32371***	***41784***	***202667***	***71867***	***10906***	***467184***	***92314***
2010-11	DEPARTMENTAL	CIL	31779		40504	17954	21724	73999	15056	0	***201016***	
2010-11	DEPARTMENTAL	Non-CIL					21238	0	45805		***67043***	101903
2010-11	***DEPARTMENTAL***	***Total***	***31779***		***40504***	***17954***	***42962***	***73999***	***60861***		***268059***	***101903***
2010-11	MECL	CIL		3588		4012		11486			***19086***	
2010-11	MECL	Non-CIL				9074					***9074***	
2010-11	CG/MP/Odisha Govt.	CIL						3661	3546		***7207***	
2010-11	Private /Contractual	CIL		14046						536	***14582***	
2010-11	Private /Contractual	Non-CIL	23571					150213			***173784***	
2010-11	***Private /Contractual***	***Total***	***23571***	***14046***	***0***	***0***	***0***	***150213***	***0***	***536***	***188366***	
2010-11	All Agencies	CIL	31779	17634	40504	21966	21724	89146	18602	536	241891	
2010-11	All Agencies	Non-CIL	23571	0	0	9074	21238	150213	45805	0	*249901*	101903
2010-11	***All Agencies***	***Total***	***55350***	***17634***	***40504***	***31040***	***42962***	***239359***	***64407***	***536***	***491792***	***101903***

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

Command Area	⟶	CIL										SCCL
Year	Agency	Blocks	ECL	BCCL	CCL	NCL	WCL	SECL	MCL	NEC	***TOTAL CIL***	
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	***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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Table 2.9 : DETAILED EXPLORATION (DRILLING IN METERS) DURING XITH AND XIITH PLAN

Command Area	⟶	CIL										SCCL
Year	Agency	Blocks	ECL	BCCL	CCL	NCL	WCL	SECL	MCL	NEC	***TOTAL CIL***	
2015-16	DEPARTMENTAL	CIL	54145		46119	19683	56400	151876	19219	0	***347442***	
2015-16	DEPARTMENTAL	Non-CIL	2542		4858	6626			46601		***60627***	0
2015-16	DEPARTMENTAL	Pvt. Blocks									***0***	
2015-16	***DEPARTMENTAL***	***Total***	***56687***	***0***	***50977***	***26309***	***56400***	***151876***	***65820***	***0***	***408069***	***0***
2015-16	MECL	CIL	840			25854		101663			***128357***	
2015-16	MECL	Non-CIL				16158	12445	75530			***104133***	14750
2015-16	CG/MP/Odisha Govt.	CIL						2833	2442		***5275***	
2015-16	Private /Contractual	CIL	27687	22529	13911		12006	142322	2096		***220551***	
2015-16	Private /Contractual	Non-CIL	1826		7921		26645	66909	9318		***112619***	
2015-16	***Private /Contractual***	***Total***	***29513***	***22529***	***21832***	***0***	***38651***	***209231***	***11414***	***0***	***333170***	
2015-16	All Agencies	CIL	82672	22529	60030	45537	68406	398694	23757	0	701625	
2015-16	All Agencies	Non-CIL	4368	0	12779	22784	39090	142439	55919	0	277379	14750
2015-16(XII Plan)	***All Agencies***	***Total***	***87040***	***22529***	***72809***	***68321***	***107496***	***541133***	***79676***	***0***	***979004***	***14750***
2016-17	DEPARTMENTAL	CIL	61819		53579	32608	61894	155721	16940	0	***382561***	
2016-17	DEPARTMENTAL	Non-CIL	2503		817	4332		5053	46101		***58806***	0
2016-17	DEPARTMENTAL	Pvt. Blocks									***0***	
2016-17	***DEPARTMENTAL***	***Total***	***64322***	***0***	***54396***	***36940***	***61894***	***160774***	***63041***	***0***	***441367***	***0***
2016-17	MECL	CIL	11935			20317		160320			***192572***	
2016-17	MECL	Non-CIL				3659	3893	105077			***112629***	51031
2016-17	CG/MP/Odisha Govt.	CIL						49	480		***529***	
2016-17	Private /Contractual	CIL	69488	8290	25895		10631	77679	28469		***220452***	
2016-17	Private /Contractual	Non-CIL	59851				4825	36680	5719		***107075***	
2016-17	***Private /Contractual***	***Total***	***129339***	***8290***	***25895***	***0***	***15456***	***114359***	***34188***	***0***	***327527***	
2016-17	All Agencies	CIL	143242	8290	79474	52925	72525	393769	45889	0	796114	
2016-17	All Agencies	Non-CIL	62354	0	817	7991	8718	146810	51820	0	278510	51031
2016-17(XII Plan)	***All Agencies***	***Total***	***205596***	***8290***	***80291***	***60916***	***81243***	***540579***	***97709***	***0***	***1074624***	***51031***
2017-18	DEPARTMENTAL	CIL	53804		26570	16737	60838	131623	15218	0	***304790***	
2017-18	DEPARTMENTAL	Non-CIL	16632		11461	28502	11556	21530	49343		***139024***	0
2017-18	DEPARTMENTAL	Pvt. Blocks									***0***	
2017-18	***DEPARTMENTAL***	***Total***	***70436***	***0***	***38031***	***45239***	***72394***	***153153***	***64561***	***0***	***443814***	***0***
2017-18	MECL	CIL	23240			35414		179100			***237754***	
2017-18	MECL	Non-CIL						165300			***165300***	65806
2017-18	CG/MP/Odisha Govt.	CIL							2121		***2121***	
2017-18	Private /Contractual	CIL	99045		57831		55836	63515	26787		***303014***	
2017-18	Private /Contractual	Non-CIL	48334		6596		952	53746	31967		***141595***	
2017-18	***Private /Contractual***	***Total***	***147379***	***0***	***64427***	***0***	***56788***	***117261***	***58754***	***0***	***444609***	
2017-18	All Agencies	CIL	176089	0	84401	52151	116674	374238	44126	0	847679	
2017-18	All Agencies	Non-CIL	64966	0	18057	28502	12508	240576	81310	0	445919	65806
2017-18(XII Plan)	***All Agencies***	***Total***	***241055***	***0***	***102458***	***80653***	***129182***	***614814***	***125436***	***0***	***1293598***	***65806***

Section III
Production & Productivity

3.1 Production

3.1.1 In 2017-18, production of raw coal in India was 675.400 MT, showing an increase of 2.7% over the previous year.In that year production of lignite was 46.644 MT, showing an increase of 3.1% over 2016-17.

3.1.2 Statement 3.1 shows production of coal in 2017-18by different companies.

Statement 3.1: Coal Production (Excluding Lignite) in India by Company

Company	Coal Production (2017-18) [MT]		
	Coking	Non-coking	**Total**
ECL	0.034	43.534	**43.568**
BCCL	23.304	9.303	**32.607**
CCL	9.577	53.828	**63.405**
NCL		93.018	**93.018**
WCL	0.180	46.040	**46.220**
SECL*	0.182	144.527	**144.709**
MCL		143.058	**143.058**
NEC		0.781	**0.781**
CIL	**33.277**	**534.089**	**567.366**
SCCL		62.010	**62.010**
Other Public	0.647	11.751	**12.398**
Total Public	**33.924**	**607.850**	**641.774**
Total Private	**6.224**	**27.402**	**33.626**
ALL INDIA	**40.148**	**635.252**	**675.400**

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

It can be seen that Coal India Ltd. accounted for 84.0% of coal production in the country. The share of SCCL in the coal production was 9.2%. Contribution from public sector and private sector was 95.0% and 5.0% respectively. The major contribution to the total coal production of the country in 2017-18 came from SECL (21.43%), MCL (21.18%), NCL (13.77%), CCL (9.39%) and SCCL (9.18%). The production from these five companies collectively accounted for 74.95% 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 (94.06%).

3.1.3 Statement 3.2 shows coal production in India during 2017-18 by states. From this statement it can be observed that the four major coal producing states were Odisha (21.2%), Chhattisgarh (21.1%), Jharkhand (18.3%) and Madhya Pradesh (16.6%). These four states together produced accounted for about 77.2% of the total coal production in the country.

Statement 3.2: Coal Production in India by State

States	Coal Production (2017-18) [MT]		
	Coking	Non-Coking	**Total**
Assam		0.781	**0.781**
Chhattisgarh	0.182	142.364	**142.546**
Jammu & Kashmir		0.014	**0.014**
Jharkhand	38.768	84.529	**123.297**
Madhya Pradesh	0.180	111.947	**112.127**
Maharashtra		42.219	**42.219**
Meghalaya		1.529	**1.529**
Odisha		143.328	**143.328**
Telangana		62.010	**62.010**
Uttar Pradesh		18.309	**18.309**
West Bengal	1.018	28.222	**29.240**
Total	**40.148**	**635.252**	**675.400**

3.1.4 Statement 3.2 also shows that almost all coking coal was produced in the state of Jharkhand which accounted for 96.56% of the total coking coal production. It can also be seen that during 2017-18, the production of coking coal registered a decrease of 34.89% over 2016-17 whereas in the case of non-coking coal the increase was 6.55%.

3.1.5 From Table 3.16 it can be observed that in 2017-18, the production from the Open Cast system of mining accounted for 93.81% of the total coal production and the rest 6.19% 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 93.81% in 2017-18 whereas in case of underground mining the

share has a decreasing trend of 11.97% in 2008-09 to 6.19% in 2017-18.

3.1.6 From table 3.3, it can be seen that the production of total coal products decreased from 45.065 MT in 2016-17 to 37.291 MT in 2017-18. It can also be seen that the production of washed coal, both coking and non-coking decreased by 10.3% and 31% respectively, the production of middlings (coking) decreased by 20.2% over 2016-17. In 2017-18, the production of hard coke slightly increased by 0.7% over 2016-17. The production of washed coal (coking and non-coking) was 19.752 MT against the total raw coal production of 675.400 MT in 2017-18.

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 3.19 it can be seen that in 2017-18, the stripping ratio at all India level was 2.74 while it was 2.65 in 2016-17. The stripping ratio of CIL was 2.19 and of SCCL 7.30 in 2017-18, the stripping ratio for the public sector was 2.66 and for the private sector 4.38. In case of CIL subsidiaries, MCL reported the lowest stripping ratio of 0.97 whereas NEC reported the highest stripping ratio of 10.09.

3.1.8 Output Per Man Shift (OMS) is one of the measures of efficiency for the production. Table 3.20 shows OMS for 2017-18 of two major players in the public sector namely CIL and SCCL by type of mining. It is may be seen that during 2017-18, in respect of opencast mining, OMS (in Tonnes) of CIL was 13.15 and SCCL 13.73. In case of underground mining, OMS (in Tonnes) of CIL was 0.86 and SCCL 1.08. From Table 3.20 it can also be seen that in case of CIL (OC), OMS has shown an increasing trend in last nine years, from 8.95 in 2008-09 to 15.00 in 2015-16. In case of SCCL, the trend is fluctuating one over the last ten years.

Statement 3.3: OMS (Tonnes)in OC & UG Mines in 2016-17 and 2017-18 (CIL & SCCL)

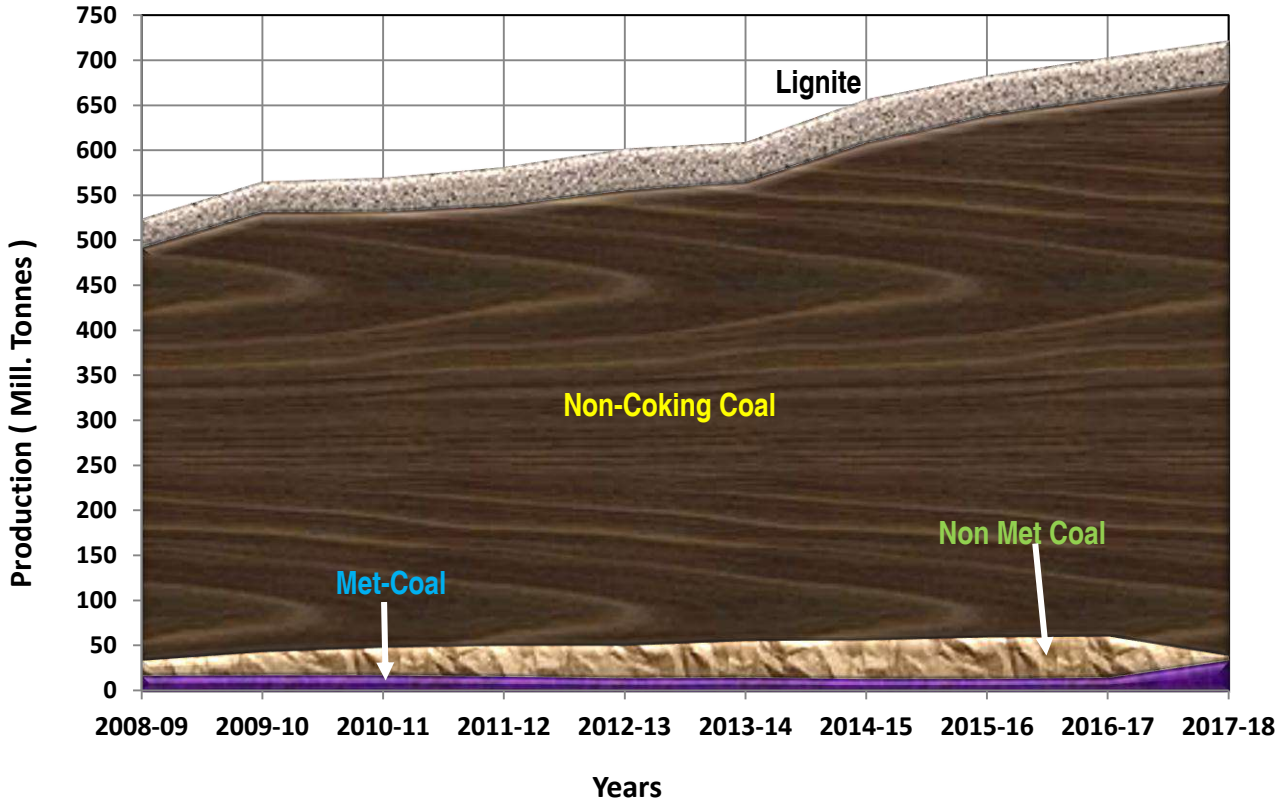
Year	Company	2016-17	2017-18
OMS (OC)	CIL	15.00	13.15
	SCCL	13.85	13.73
OMS (UG)	CIL	0.80	0.86
	SCCL	1.18	1.08
OMS (Overall)	CIL	7.48	7.44
	SCCL	4.74	4.89

3.1.9 Lignite Production: Statement 3.4 shows production of lignite by different companies in 2016-17 and 2017-18. It can be seen that in case of lignite the three major companies were NLC, GMDCL and BLMCL which contributed 53.93%, 22.73% and 13.43% respectively to the total lignite production of 2017-18.

Statement 3.4: Lignite Production(MT) in India by Company in 2016-17 and 2017-18

Company	2016-17	2017-18
NLC	27.617	25.153
GMDCL	7.652	10.601
BLMCL	6.010	6.265
GIPCL	2.816	3.123
RSMML	0.549	1.019
VSLPL	0.508	0.426
GHCL	0.078	0.057
All India	**45.230**	**46.644**

Chart III.1 - Area Graph : Trend of Production of Different types of Solid Fossil Fuel during 2008-2009 to 2017-2018



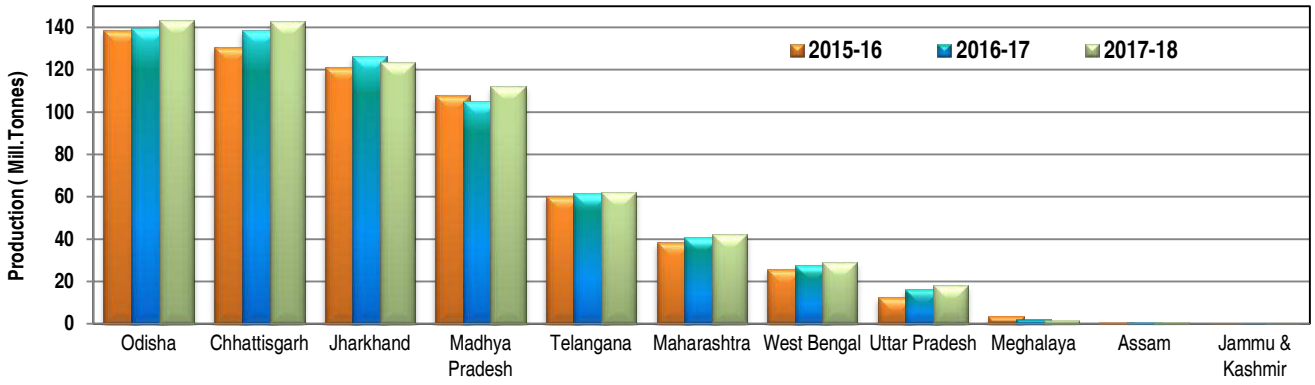
Production of different types of solid fossil fuels during 2008-09 TO 2017-18 (Quantity in Mill.Tonnes).

Year	Met Coal	Non Met Coal	**Total Coking**	Non-Coking	**Total Raw Coal**	Lignite
(1)	(2)	(3)	**(4)**	(5)	**(6)**	(7)
2008-09	17.301	17.508	**34.809**	457.948	**492.757**	32.421
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

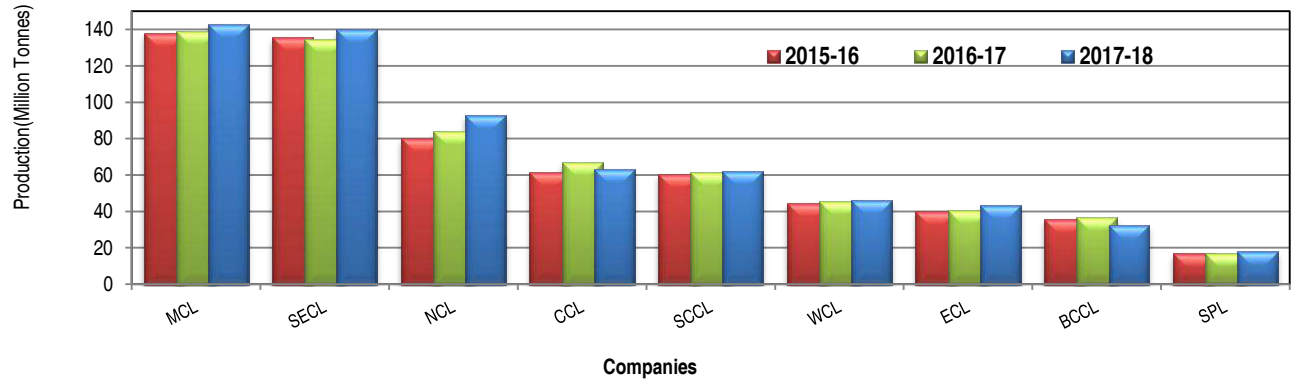
Note: 1. This is an area graph. Area in between bottom & top boundary for each item shows contribution of that item to total solid fossil fuel.

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

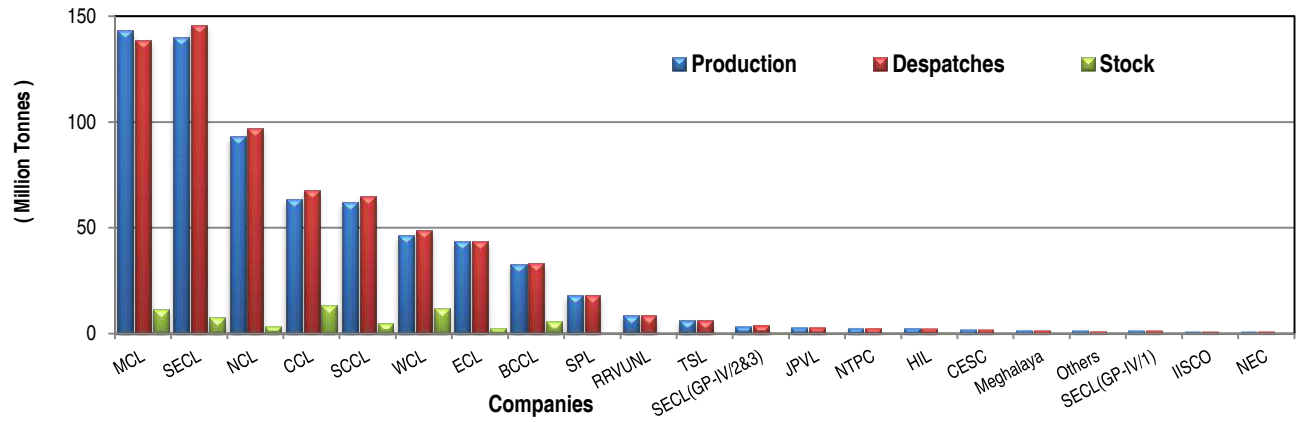
Ch-III.2: Statewise Production of Raw Coal in last Three Years



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



Ch-III.4: Production, Despatches & Stock Companywise in 2017-18



Ch-III.5: Company Share of Production of Raw Coal in 2017-18

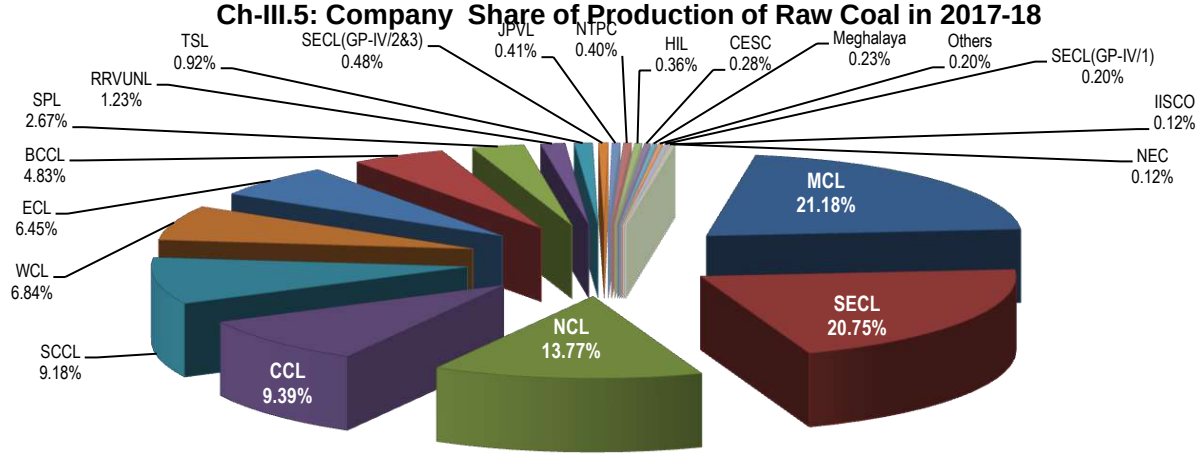
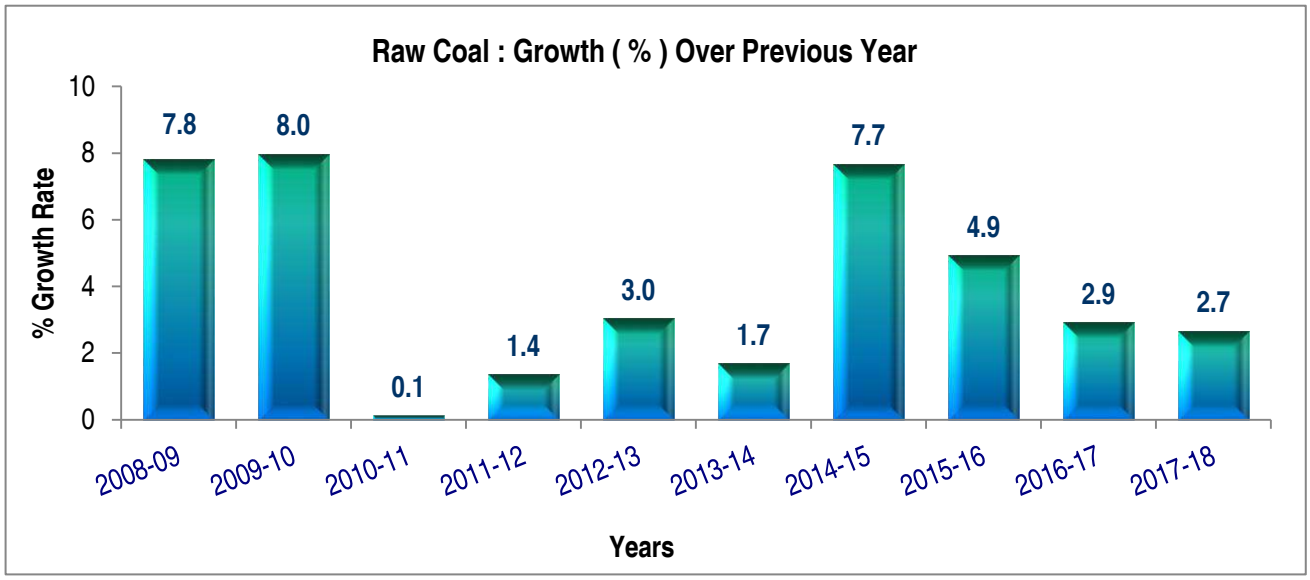


TABLE 3.1: TRENDS OF PRODUCTION OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS

[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)
2008-09	492.757	93.8	7.8	32.421	6.2	-4.6	**525.178**	**6.9**
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**



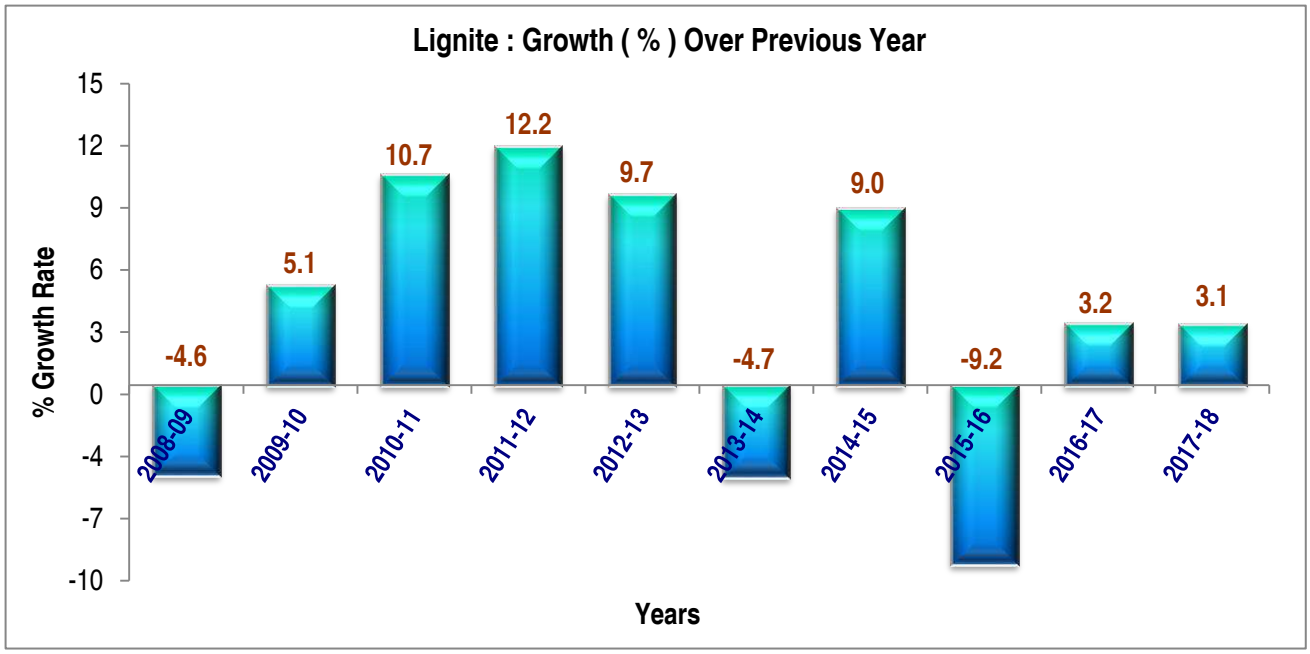
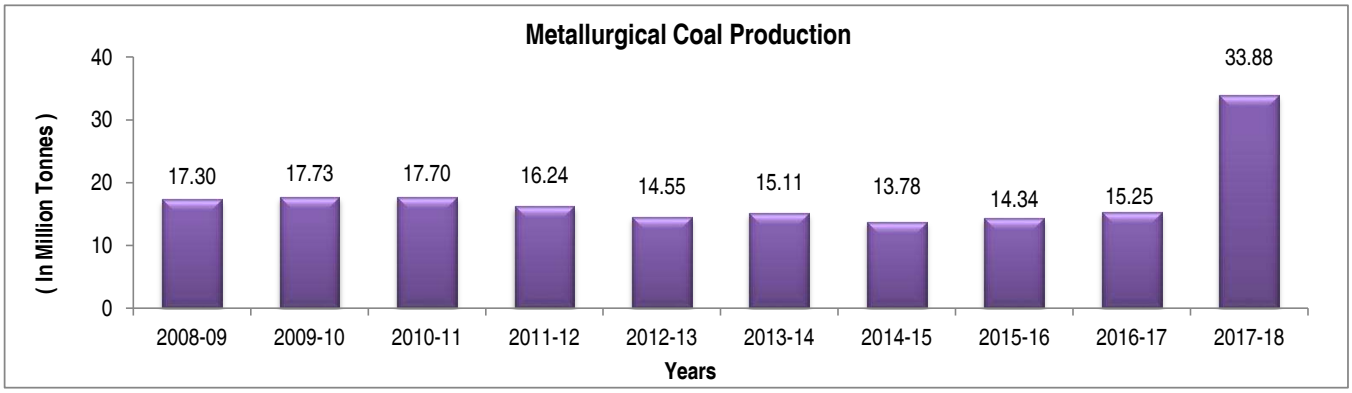


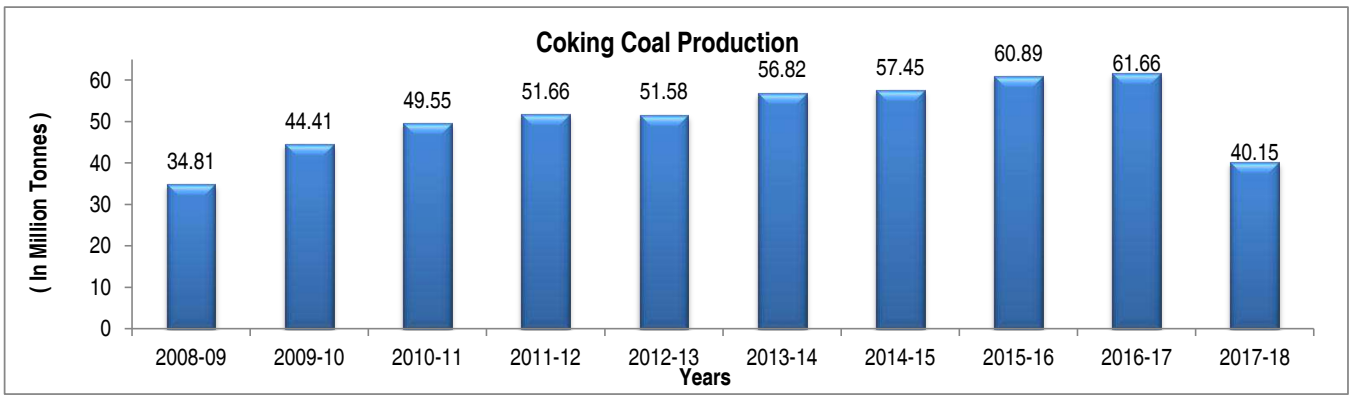
TABLE 3.2: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			**Total Raw Coal**	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal							
	Production	Share in coking coal(%)	Growth over previous year (%)	Production	Share in coking coal(%)	Growth over previous year (%)	Production	Share in total raw coal(%)	Growth over previous year (%)	Production	Share in total raw coal(%)	Growth over previous year (%)	**Production**	**Growth over previous year (%)**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	**(14)**	**(15)**
2008-09	17.301	49.7	-4.2	17.508	50.3	6.8	34.809	7.1	1.0	457.948	92.9	8.4	**492.757**	**7.8**
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**

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





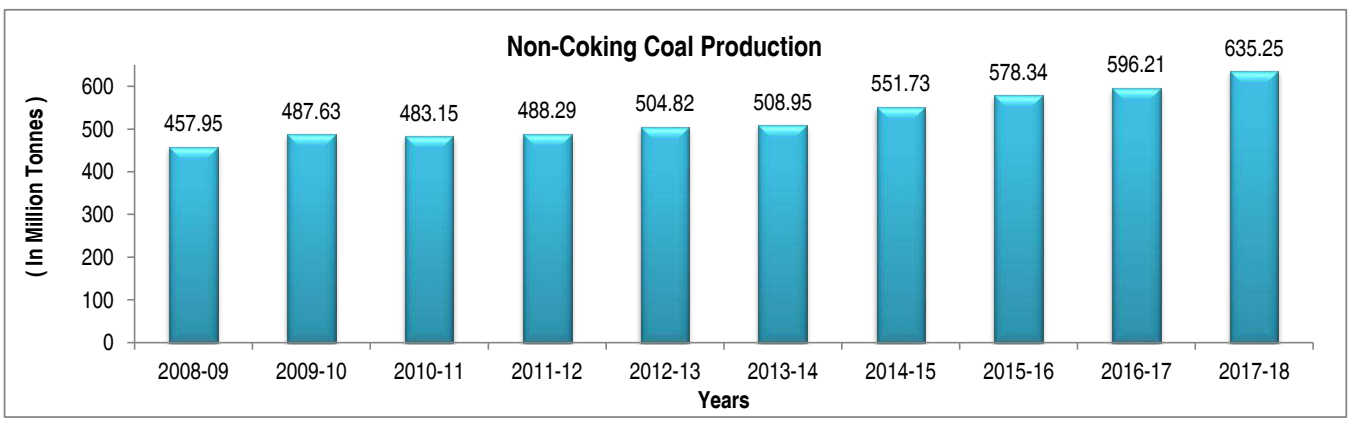
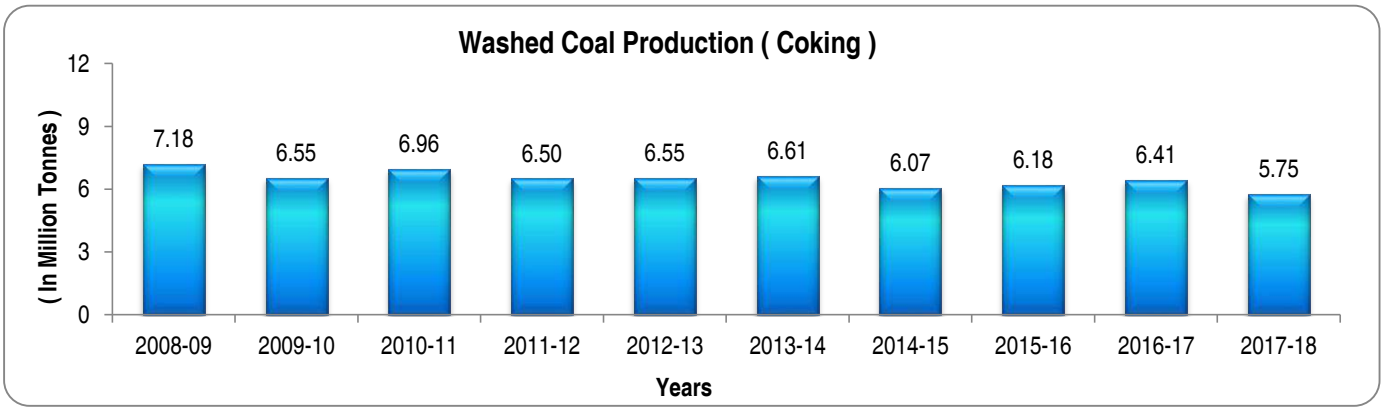
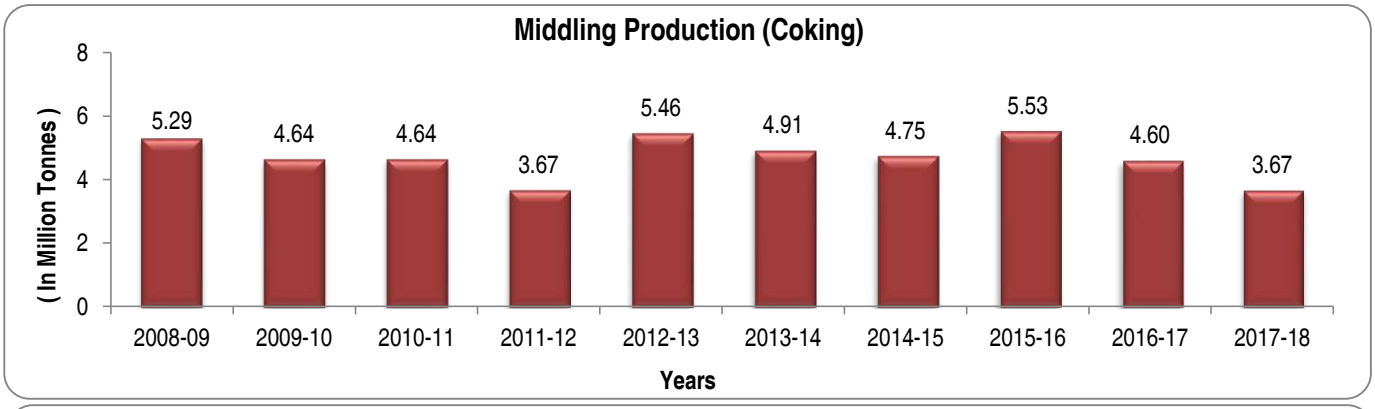


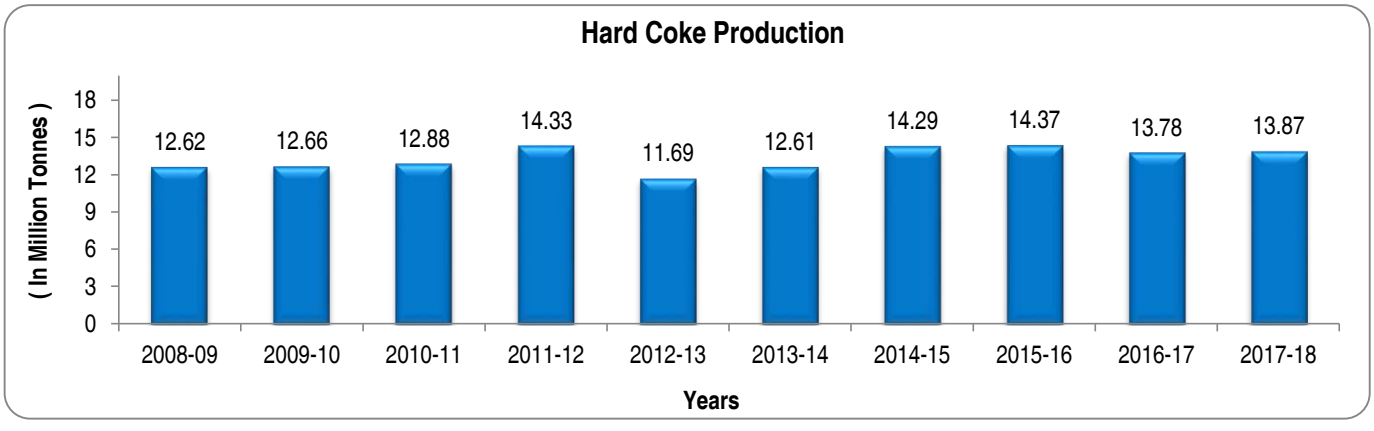
TABLE 3.3: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS

(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)
2008-09	7.181	0.1	13.550	6.8	5.294	-13.9	3.264	-0.4	12.619	0.6
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







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, LIGNITE & COAL PRODUCTS 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)
2015-16												
April-June	13.550	-1.8	22.3	131.310	8.9	22.7	144.860	7.8	22.7	9.965	-22.5	22.7
July-Sept.	12.784	5.2	21.0	118.159	1.1	20.4	130.943	1.5	20.5	9.584	1.1	21.9
Oct-Dec.	15.856	10.1	26.0	154.600	4.8	26.7	170.456	5.2	26.7	9.058	-13.1	20.7
Jan-Mar.	18.697	9.4	30.7	174.274	4.6	30.1	192.971	5.0	30.2	15.235	-1.8	34.7
TOTAL	**60.887**	**6.0**	**100.0**	**578.343**	**4.8**	**100.0**	**639.230**	**4.9**	**100.0**	**43.842**	**-9.2**	**100.0**
2016-17												
April-June	13.518	-0.2	21.9	137.145	4.4	23.0	**150.663**	4.0	22.9	8.910	-10.6	19.7
July-Sept.	12.226	-4.4	19.8	112.775	-4.6	18.9	**125.001**	-4.5	19.0	9.754	1.8	21.6
Oct-Dec.	15.678	-1.1	25.4	160.170	3.6	26.9	**175.848**	3.2	26.7	11.428	26.2	25.3
Jan-Mar.	20.239	8.2	32.8	186.117	6.8	31.2	**206.356**	6.9	31.4	15.138	-0.6	33.5
TOTAL	**61.661**	1.3	**100.0**	**596.207**	3.1	**100.0**	**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**

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

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

Contd....

TABLE 3.4 : QUARTERLY PRODUCTION OF DIFFERENT TYPES OF COAL, LIGNITE & 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**
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
2015-16															
April-June	1.487	-0.5	24.1	3.453	-6.7	20.2	1.017	0.0	21.4	0.000	-	-	3.726	7.6	25.9
July-Sept.	1.522	4.9	24.6	3.792	-8.6	22.2	1.143	0.0	24.1	0.000	-	-	3.689	2.5	25.7
Oct-Dec.	1.608	4.4	26.0	4.626	-2.2	27.0	1.241	0.0	26.1	0.000	-	-	3.558	1.7	24.8
Jan-Mar.	1.565	-1.3	25.3	5.248	11.3	30.7	1.349	0.0	28.4	0.000	-	-	3.395	-9.0	23.6
TOTAL	**6.182**	**1.8**	**100.0**	**17.119**	**-1.0**	**100.0**	**4.750**	**0.0**	**100.0**	**0.000**	**-**	**-**	**14.368**	**0.5**	**100.0**
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**

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

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

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

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

TABLE 3.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL, LIGNITE & COAL PRODUCTS IN 2017-18

(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)
2017-18												
Apr-17	3.083	-31.3	7.7	42.963	-1.6	6.8	46.046	-4.4	6.8	2.151	8.1	4.6
May-17	3.037	-33.9	7.6	46.782	0.3	7.4	49.819	-2.7	7.4	3.008	-6.4	6.4
Jun-17	3.013	-32.1	7.5	45.340	-3.2	7.1	48.353	-5.7	7.2	4.143	11.7	8.9
1st Quarter	**9.133**	**-32.4**	**22.7**	**135.085**	**-1.5**	**21.3**	**144.218**	**-4.3**	**21.4**	**9.302**	**4.4**	**19.9**
Jul-17	2.537	-38.4	6.3	42.096	6.0	6.6	44.633	1.9	6.6	1.653	-45.4	3.5
Aug-17	2.949	-26.3	7.3	42.847	21.6	6.7	45.796	16.8	6.8	3.585	26.6	7.7
Sep-17	2.652	-35.5	6.6	44.025	16.3	6.9	46.677	11.2	6.9	4.244	8.9	9.1
2nd Quarter	**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-17	2.867	-39.0	7.1	51.146	8.9	8.1	54.013	4.5	8.0	3.482	7.7	7.5
Nov-17	3.096	-40.3	7.7	56.477	3.8	8.9	59.573	-0.1	8.8	3.552	-2.7	7.6
Dec-17	3.808	-34.2	9.5	60.718	3.3	9.6	64.526	-0.1	9.6	4.933	8.5	10.6
3rd Quarter	**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-18	4.131	-37.1	10.3	63.240	7.5	10.0	67.371	3.0	10.0	5.066	0.4	10.9
Feb-18	4.004	-33.5	10.0	60.815	4.9	9.6	64.819	1.3	9.6	4.759	3.1	10.2
Mar-18	4.971	-35.0	12.4	78.803	13.7	12.4	83.774	8.8	12.4	6.068	10.8	13.0
4th Quarter	**13.106**	**-35.2**	**32.6**	**202.858**	**9.0**	**31.9**	**215.964**	**4.7**	**32.0**	**15.893**	**5.0**	**34.1**
2017-18	**40.148**	**-34.9**	**100.0**	**635.252**	**6.5**	**100.0**	**675.400**	**2.7**	**100.0**	**46.644**	**3.1**	**100.0**

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

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

Cont....

TABLE 3.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL, LIGNITE & COAL PRODUCTS IN 2017-18

(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**
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
2017-18															
Apr-17	0.455	2.0	7.9	0.723	-50.1	5.2	0.323	-24.0	8.8	0	-	-	1.128	-0.1	8.1
May-17	0.467	-2.5	8.1	0.868	-50.4	6.2	0.338	-18.0	9.2	0	-	-	1.090	-3.0	7.9
Jun-17	0.459	-5.0	8.0	1.196	-41.9	8.5	0.284	-25.1	7.7	0	-	-	1.060	-7.8	7.6
1st Quarter	**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**
Jul-17	0.426	-10.1	7.4	1.274	-19.3	9.1	0.286	-28.5	7.8	0	-	-	1.148	-2.0	8.3
Aug-17	0.458	-5.2	8.0	1.305	15.9	9.3	0.296	-20.0	8.1	0	-	-	1.204	2.0	8.7
Sep-17	0.452	-6.4	7.9	1.135	4.6	8.1	0.261	-27.5	7.1	0	-	-	1.175	4.3	8.5
2nd Quarter	**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-17	0.425	-14.5	7.4	1.157	-24.8	8.3	0.283	-21.6	7.7	0	-	-	1.176	-1.4	8.5
Nov-17	0.477	-17.3	8.3	1.409	-22.4	10.1	0.287	-28.4	7.8	0	-	-	1.164	-0.9	8.4
Dec-17	0.505	-22.5	8.8	1.042	-42.7	7.4	0.274	-23.7	7.5	0	-	-	1.119	1.0	8.1
3rd Quarter	**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-18	0.546	-13.5	9.5	1.296	-35.2	9.3	0.295	-18.1	8.0	0	-	-	1.217	0.7	8.8
Feb-18	0.536	-6.8	9.3	1.151	-38.4	8.2	0.353	-2.5	9.6	0	-	-	1.052	3.6	7.6
Mar-18	0.547	-13.7	9.5	1.443	-33.9	10.3	0.390	-4.6	10.6	0	-	-	1.336	11.4	9.6
4th Quarter	**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**
2017-18	**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**

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

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

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

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

TABLE 3.6 : 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)
2008-09	0.142	0.7	79.7	1.009	0.2	-8.4	101.922	20.7	13.0
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

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)
2008-09	0.011	0.0	-35.3	96.272	19.5	5.9	71.325	14.5	5.1
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

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)
2008-09	38.705	7.9	6.3	5.489	1.1	-19.2	98.402	20.0	10.0
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

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

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

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TABLE 3.6 : SHARE OF RAW COAL PRODUCTION BY STATES IN LAST TEN YEARS.

(Quantity in Million Tonnes)

Year	State: Telangana			State: Uttar Pradesh			State: West Bengal		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2008-09	44.546	9.0	9.7	12.029	2.4	5.3	22.905	4.6	1.7
2009-10	50.429	9.5	13.2	13.968	2.6	16.1	23.133	4.3	1.0
2010-11	51.333	9.6	1.8	15.526	2.9	11.2	21.659	4.1	-6.4
2011-12	52.211	9.7	1.7	16.178	3.0	4.2	24.230	4.5	11.9
2012-13	53.190	9.6	1.9	16.090	2.9	-0.5	26.467	4.8	9.2
2013-14	50.469	8.9	-5.1	14.721	2.6	-8.5	28.244	5.0	6.7
2014-15	52.536	8.6	4.1	14.957	2.5	1.6	29.970	4.9	6.1
2015-16	60.380	9.4	14.9	12.689	2.0	-15.2	25.751	4.0	-14.1
2016-17	61.336	9.3	1.6	16.056	2.4	26.5	27.667	4.2	7.4
2017-18	62.010	9.2	1.1	18.309	2.7	14.0	29.240	4.3	5.7

Year	**ALL INDIA**	
	Quantity	**Growth (%)**
(41)	(42)	(43)
2007-08	**457.082**	**6.1**
2008-09	**492.757**	**7.8**
2009-10	**532.042**	**8.0**
2010-11	**532.694**	**0.1**
2011-12	**539.950**	**1.4**
2012-13	**556.402**	**3.0**
2013-14	**565.765**	**1.7**
2014-15	**609.179**	**7.7**
2015-16	**639.230**	**4.9**
2016-17	**657.868**	**2.9**
2017-18	**675.400**	**2.7**

TABLE 3.7 : 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)
2008-09	21.308	65.7	-1.3	10.114	31.2	-14.2	0.999	3.1	64.9
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

Year	**ALL INDIA**	
	Quantity	**Growth (%)**
(11)	(12)	(13)
2008-09	**32.421**	-4.6
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

TABLE 3.8 : TRENDS OF COMPANY WISE PRODUCTION OF COAL & LIGNITE DURING LAST THREE YEARS

[Quantity in Milllion Tonnes]

Company	2015-16			2016-17			2017-18		
	Coking	Non-coking	**Total**	Coking	Non-coking	**Total**	Coking	Non-coking	**Total**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.012	40.196	**40.208**	0.031	40.486	**40.517**	0.034	43.534	**43.568**
BCCL	32.648	3.213	**35.861**	32.393	4.644	**37.037**	23.304	9.303	**32.607**
CCL	20.697	40.627	**61.324**	21.988	45.059	**67.047**	9.577	53.828	**63.405**
NCL		80.224	**80.224**		84.096	**84.096**		93.018	**93.018**
WCL	0.209	44.606	**44.815**	0.131	45.501	**45.632**	0.180	46.040	**46.220**
SECL	0.135	135.521	**135.656**	0.110	134.569	**134.679**	0.182	139.973	**140.155**
SECL(GP-IV/2&3)		2.278	**2.278**		4.480	**4.480**		3.227	**3.227**
SECL(GP-IV/1)					0.844	**0.844**		1.327	**1.327**
MCL		137.901	**137.901**		139.208	**139.208**		143.058	**143.058**
NEC		0.487	**0.487**		0.600	**0.600**		0.781	**0.781**
CIL	**53.701**	**485.053**	**538.754**	**54.653**	**499.487**	**554.140**	**33.277**	**534.089**	**567.366**
SCCL		60.380	**60.380**		61.336	**61.336**		62.010	**62.010**
JKML		0.013	**0.013**		0.010	**0.010**		0.014	**0.014**
DVC	0.403		**0.403**	0.152		**0.152**	0.047		**0.047**
IISCO	0.558	0.169	**0.727**	0.540	0.226	**0.766**	0.415	0.378	**0.793**
SAIL			**0.000**		0.000	**0.000**	0.185	0.000	**0.185**
JSMDCL		0.190	**0.190**		0.297	**0.297**		0.351	**0.351**
RRVUNL		6.210	**6.210**		8.267	**8.267**		8.329	**8.329**
NTPC					0.228	**0.228**		2.679	**2.679**
Total Public	**54.662**	**552.015**	**606.677**	**55.345**	**569.851**	**625.196**	**33.924**	**607.850**	**641.774**
TSL	6.225	0.003	**6.228**	6.316	0.000	**6.316**	6.224	0.000	**6.224**
Meghalaya		3.712	**3.712**		2.308	**2.308**		1.529	**1.529**
BALCO		0.120	**0.120**		0.180	**0.180**		0.000	**0.000**
CESC		1.877	**1.877**		1.742	**1.742**		1.878	**1.878**
GMR		0.560	**0.560**		0.151	**0.151**		0.270	**0.270**
HIL		0.069	**0.069**		2.000	**2.000**		2.414	**2.414**
JPVL		2.800	**2.800**		2.800	**2.800**		2.800	**2.800**
SIL		0.165	**0.165**		0.153	**0.153**		0.270	**0.270**
SPL		17.022	**17.022**		16.997	**16.997**		18.003	**18.003**
RCCPL					0.025	**0.025**		0.063	**0.063**
TUML								0.175	**0.175**
Total Private	**6.225**	**26.328**	**32.553**	**6.316**	**26.356**	**32.672**	**6.224**	**27.402**	**33.626**
ALL INDIA	**60.887**	**578.343**	**639.230**	**61.661**	**596.207**	**657.868**	**40.148**	**635.252**	**675.400**
LIGNITE									
NLC			**25.451**			**27.617**			**25.153**
GMDCL			**6.968**			**7.652**			**10.601**
GIPCL			**3.063**			**2.816**			**3.123**
RSMML			**0.972**			**0.549**			**1.019**
GHCL			**0.092**			**0.078**			**0.057**
VSLPPL			**0.617**			**0.508**			**0.426**
BLMCL			**6.679**			**6.010**			**6.265**
ALL INDIA			**43.842**			**45.230**			**46.644**
COAL & LIGNITE			**683.072**			**703.098**			**722.044**

TABLE 3.9: STATEWISE PRODUCTION OF RAW COAL BY TYPES IN LAST FIVE YEARS

(Quantity in Million Tonnes)

State	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)
COKING					
Chhattisgarh	0.125	0.126	0.135	0.110	0.182
Jharkhand	55.088	56.430	58.548	59.604	38.768
Madhya Pradesh	0.249	0.310	0.209	0.131	0.180
West Bengal	1.356	0.580	1.995	1.816	1.018
Total Coking	**56.818**	**57.446**	**60.887**	**61.661**	**40.148**
NON-COKING					
Arunachal Pradesh	0.000	0.000	0.000	0.000	0.000
Assam	0.664	0.779	0.487	0.600	0.781
Chhattisgarh	126.970	134.638	130.470	138.415	142.364
Jammu & Kashmir	0.019	0.013	0.013	0.010	0.014
Jharkhand	58.003	67.713	62.519	66.831	84.529
Madhya Pradesh	75.341	87.299	107.505	104.882	111.947
Maharashtra	37.223	38.257	38.351	40.559	42.219
Meghalaya	5.732	2.524	3.712	2.308	1.529
Odisha	112.917	123.627	138.461	139.359	143.328
Telangana	50.469	52.536	60.380	61.336	62.010
Uttar Pradesh	14.721	14.957	12.689	16.056	18.309
West Bengal	26.888	29.390	23.756	25.851	28.222
Total Non-Coking	**508.947**	**551.733**	**578.343**	**596.207**	**635.252**
Total Coal	**565.765**	**609.179**	**639.230**	**657.868**	**675.400**

TABLE 3.10: STATEWISE PRODUCTION OF LIGNITE IN LAST FIVE YEARS

(Quantity in Million Tonnes)

State	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)
Gujarat	11.588	12.317	10.123	10.546	13.781
Rajasthan	7.627	10.763	9.492	8.480	9.294
Tamilnadu	25.056	25.190	24.227	26.204	23.569
TOTAL	**44.271**	**48.270**	**43.842**	**45.230**	**46.644**

TABLE 3.11: STATEWISE AND COMPANYWISE PRODUCTION OF RAW COAL BY TYPES IN LAST THREE YEARS

[Quantity in Million Tonnes]

States	Coal Company	2015-2016			2016-2017			2017-2018		
		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**		0.487	**0.487**		0.600	**0.600**		0.781	**0.781**
Chhattisgarh	SECL	0.135	121.793	**121.928**	0.110	122.644	**122.754**	0.182	127.867	**128.049**
Chhattisgarh	SECL(GP-IV/2&3)		2.278	**2.278**		4.480	**4.480**		3.227	**3.227**
Chhattisgarh	SECL(GP-IV/1)					0.844	**0.844**		1.327	**1.327**
Chhattisgarh	HIL (GP-IV/4)		0.069	**0.069**		1.000	**1.000**		0.939	**0.939**
Chhattisgarh	HIL (GP-IV/5)					1.000	**1.000**		0.675	**0.675**
Chhattisgarh	BALCO		0.120	**0.120**		0.180	**0.180**		0.000	**0.000**
Chhattisgarh	RRVUNL		6.210	**6.210**		8.267	**8.267**		8.329	**8.329**
Chhattisgarh	**TOTAL**	**0.135**	**130.470**	**130.605**	**0.110**	**138.415**	**138.525**	**0.182**	**142.364**	**142.546**
Jammu & Kashmir	**JKML**		0.013	**0.013**		0.010	**0.010**		0.014	**0.014**
Jharkhand	ECL	0.012	19.035	**19.047**	0.031	16.903	**16.934**	0.034	17.930	**17.964**
Jharkhand	BCCL	30.653	2.650	**33.303**	30.577	4.318	**34.895**	22.286	8.940	**31.226**
Jharkhand	CCL	20.697	40.627	**61.324**	21.988	45.059	**67.047**	9.577	53.828	**63.405**
Jharkhand	JSMDCL		0.190	**0.190**		0.297	**0.297**		0.351	**0.351**
Jharkhand	DVC	0.403		**0.403**	0.152		**0.152**	0.047		**0.047**
Jharkhand	IISCOCJ	0.558	0.014	**0.572**	0.540	0.026	**0.566**	0.415	0.001	**0.416**
Jharkhand	NTPC					0.228	**0.228**		2.679	**2.679**
Jharkhand	TSL	6.225	0.003	**6.228**	6.316		**6.316**	6.224		**6.224**
Jharkhand	HIL_KOC								0.800	**0.800**
Jharkhand	SAIL							0.185		**0.185**
Jharkhand	**TOTAL**	**58.548**	**62.519**	**121.067**	**59.604**	**66.831**	**126.435**	**38.768**	**84.529**	**123.297**
Madhya Pradesh	NCL		67.535	**67.535**		68.040	**68.040**		74.709	**74.709**
Madhya Pradesh	WCL	0.209	6.420	**6.629**	0.131	5.095	**5.226**	0.180	4.266	**4.446**
Madhya Pradesh	SECL		13.728	**13.728**		11.925	**11.925**		12.106	**12.106**
Madhya Pradesh	SPL		17.022	**17.022**		16.997	**16.997**		18.003	**18.003**
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**
Madhya Pradesh	**TOTAL**	**0.209**	**107.505**	**107.714**	**0.131**	**104.882**	**105.013**	**0.180**	**111.947**	**112.127**
Maharashtra	WCL		38.186	**38.186**		40.406	**40.406**		41.774	**41.774**
Maharashtra	SIL		0.165	**0.165**		0.153	**0.153**		0.270	**0.270**
Maharashtra	TUML								0.175	**0.175**
Maharashtra	**TOTAL**	**0**	**38.351**	**38.351**	**0**	**40.559**	**40.559**		**42.219**	**42.219**
Meghalaya	**MEG**		**3.712**	**3.712**		**2.308**	**2.308**		**1.529**	**1.529**
Odisha	MCL		137.901	**137.901**		139.208	**139.208**		143.058	**143.058**
Odisha	GMR		0.560	**0.560**		0.151	**0.151**		0.270	**0.270**
Odisha	**TOTAL**		**138.461**	**138.461**		**139.359**	**139.359**		**143.328**	**143.328**
Telangana	**SCCL**		60.380	**60.380**		61.336	**61.336**		62.010	**62.010**
Uttar Pradesh	**NCL**		**12.689**	**12.689**		**16.056**	**16.056**		**18.309**	**18.309**
West Bengal	ECL		21.161	**21.161**		23.583	**23.583**		25.604	**25.604**
West Bengal	BCCL	1.995	0.563	**2.558**	1.816	0.326	**2.142**	1.018	0.363	**1.381**
West Bengal	IISCOR		0.155	**0.155**		0.200	**0.200**		0.377	**0.377**
West Bengal	CESC		1.877	**1.877**		1.742	**1.742**		1.878	**1.878**
West Bengal	**TOTAL**	**1.995**	**23.756**	**25.751**	**1.816**	**25.851**	**27.667**	**1.018**	**28.222**	**29.240**
Total Public		**54.662**	**552.015**	**606.677**	**55.345**	**569.851**	**625.196**	**33.924**	**607.850**	**641.774**
Total Private	**TOTAL**	**6.225**	**26.328**	**32.553**	**6.316**	**26.356**	**32.672**	**6.224**	**27.402**	**33.626**
All India		**60.887**	**578.343**	**639.230**	**61.661**	**596.207**	**657.868**	**40.148**	**635.252**	**675.400**

TABLE 3.12: 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)
2015-16	BCCL	599	1604					
	CCL	1471	1633					
	WCL	81	57					
	DCC				16	18	22	93
	SAIL			8321				
	IISCO	581	478	796				
	RINL			2552				
	TSL	3450	1753	2699				
	TOTAL	**6182**	**5525**	**14368**	**16**	**18**	**22**	**93**
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**

Coke production of RINL is included in this table.

TABLE 3.13: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2017-18

(Quantity in Million Tonnes)

Companies	PRODUCTION OF COKING COAL										
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	SLV	Met.Coal	Non Met	**Total Coking**
ECL						0.034				0.034	**0.034**
BCCL	0.155	0.051		0.176	2.799	1.643	18.480		23.304	0.000	**23.304**
CCL				0.000	1.558	1.825	6.194		3.576	6.001	**9.577**
NCL											**0.000**
WCL							0.180		0.180	0.000	**0.180**
SECL			0.182							0.182	**0.182**
SECL(GP-IV/2&3)											**0.000**
SECL(GP-IV/1)											**0.000**
MCL											**0.000**
NEC											**0.000**
CIL	**0.155**	**0.051**	**0.182**	**0.176**	**4.357**	**3.502**	**24.854**	**0.000**	**27.060**	**6.217**	**33.277**
SCCL											**0.000**
JKML											**0.000**
JSMDCL											**0.000**
DVC							0.047			0.047	**0.047**
IISCO						0.093	0.322		0.415	0.000	**0.415**
SAIL							0.185				**0.185**
RRVUNL											**0.000**
NTPC											**0.000**
Total Public	**0.155**	**0.051**	**0.182**	**0.176**	**4.357**	**3.595**	**25.408**	**0.000**	**27.475**	**6.264**	**33.924**
TSL					0.195	0.396	5.633		6.224	0.000	**6.224**
Meghalaya											**0.000**
BALCO											**0.000**
CESC											**0.000**
GMR											**0.000**
HIL (GP-IV/4)											**0.000**
HIL (GP-IV/5)											**0.000**
HIL(KOC)											**0.000**
JPVL											**0.000**
SIL											**0.000**
SPL											**0.000**
RCCPL											**0.000**
TUML											**0.000**
Total Private	**0.000**	**0.000**	**0.000**	**0.000**	**0.195**	**0.396**	**5.633**	**0.000**	**6.224**	**0.000**	**6.224**
ALL INDIA	**0.155**	**0.051**	**0.182**	**0.176**	**4.552**	**3.991**	**31.041**	**0.000**	**33.699**	**6.264**	**40.148**

Contd....

TABLE 3.13: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2017-18

(Quantity in Million Tonnes)

Companies	PRODUCTION OF NON-COKING COAL																		Total Coal
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	UNG	Total N-coking	
ECL			1.531	13.230	9.58	1.127	2.367	0.915					14.784						**43.534**	**43.568**
BCCL			0.001	0.000	0.034	0.607	0.657	4.951	2.653	0.400	0.000								**9.303**	**32.607**
CCL				0.001	0.071	0.344	0.678	3.885	5.842	14.602	14.752	7.370	5.234	1.049					**53.828**	**63.405**
NCL					0.447	0.000	23.458	19.338	0.641	31.580	15.858	1.696							**93.018**	**93.018**
WCL						0.267	0.193	2.598	6.472	16.353	17.856	2.079	0.222						**46.040**	**46.220**
SECL			1.764	0.991	3.503	8.341	4.861	3.602	0.917	10.042	93.058	1.654	3.140	3.515	4.453	0.132			**139.973**	**140.155**
SECL(GP-IV/2&3)												0.231		0.476		2.520			**3.227**	**3.227**
SECL(GP-IV/1)															0.144		1.183		**1.327**	**1.327**
MCL							0.040	0.131	0.128	0.418	0.505	38.947	66.407	36.482					**143.058**	**143.058**
NEC	0.181	0.264	0.217	0.118	0.001														**0.781**	**0.781**
CIL	**0.181**	**0.264**	**3.513**	**14.340**	**13.636**	**10.686**	**32.254**	**35.420**	**16.653**	**73.395**	**142.029**	**51.977**	**89.787**	**41.522**	**4.597**	**2.652**	**1.183**	**0.000**	**534.089**	**567.366**
SCCL					1.094		3.227	5.227	8.215	8.988	15.480	0.388	11.953	2.848	3.297	0.892	0.270	0.131	**62.010**	**62.010**
JKML																	0.014		**0.014**	**0.014**
JSMDCL												0.351							**0.351**	**0.351**
DVC																			**0.000**	**0.047**
IISCO				0.195		0.182												0.001	**0.378**	**0.793**
SAIL																			**0.000**	**0.185**
RRVUNL											8.329								**8.329**	**8.329**
NTPC									2.679										**2.679**	**2.679**
Total Public	**0.181**	**0.264**	**3.513**	**14.535**	**14.730**	**10.868**	**35.481**	**40.647**	**27.547**	**82.383**	**165.838**	**52.716**	**101.740**	**44.370**	**7.894**	**3.544**	**1.467**	**0.132**	**607.850**	**641.774**
TSL																			**0.000**	**6.224**
Meghalaya	1.529																		**1.529**	**1.529**
BALCO																			**0.000**	**0.000**
CESC											1.878								**1.878**	**1.878**
GMR													0.003	0.267					**0.270**	**0.270**
HIL (GP-IV/4)										0.018	0.533	0.388							**0.939**	**0.939**
HIL (GP-IV/5)							0.536					0.139							**0.675**	**0.675**
HIL(KOC)							0.800												**0.800**	**0.800**
JPVL											2.800								**2.800**	**2.800**
SIL								0.270											**0.270**	**0.270**
SPL										9.077	8.926								**18.003**	**18.003**
RCCPL								0.063											**0.063**	**0.063**
TUML												0.175							**0.175**	**0.175**
Total Private	**1.529**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.336**	**0.333**	**0.000**	**9.095**	**14.137**	**0.702**	**0.003**	**0.267**	**0.000**	**0.000**	**0.000**	**0.000**	**27.402**	**33.626**
ALL INDIA	**1.710**	**0.264**	**3.513**	**14.535**	**14.730**	**10.868**	**36.817**	**40.980**	**27.547**	**91.478**	**179.975**	**53.418**	**101.743**	**44.637**	**7.894**	**3.544**	**1.467**	**0.132**	**635.252**	**675.400**

TABLE 3.14: GRADEWISE PRODUCTION OF COKING COAL AND NON COKING COAL BY STATES IN 2017-18

(Quantity in Million Tonnes)

Grade	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Madhya Pradesh	Maharashtra	Meghalaya	Odisha	Telangana	Uttar Pradesh	West Bengal	**India (2017-18)**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Steel-I				0.155								**0.155**
Steel-II				0.051								**0.051**
SC		0.182										**0.182**
Wash-I				0.176								**0.176**
Wash-II				3.966							0.586	**4.552**
Wash-III				3.559							0.432	**3.991**
Wash-IV				30.861	0.180							**31.041**
SLV1												**0.000**
Met.Coal				32.686	0.180							**32.866**
Non Met	0.000	0.182	0.000	6.082	0.000	0.000	0.000	0.000	0.000	0.000	1.018	7.282
Total Coking	**0.000**	**0.182**	**0.000**	**38.768**	**0.180**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.018**	**40.148**
G1	0.181						1.529					**1.710**
G2	0.264											**0.264**
G3	0.217	1.762		0.387	0.002						1.145	**3.513**
G4	0.118	0.717		0.666	0.274						12.760	**14.535**
G5	0.001	2.701		0.358	1.213				1.094	0.036	9.327	**14.730**
G6		1.691		1.861	6.741	0.176					0.399	**10.868**
G7		4.176		2.381	24.863	0.009		0.040	3.227		2.121	**36.817**
G8		1.492		9.159	11.371	1.632		0.131	5.227	11.376	0.592	**40.980**
G9		0.440		11.174	2.168	5.422		0.128	8.215			**27.547**
G10		9.898		15.002	34.832	15.443		0.418	8.988	6.897		**91.478**
G11		101.873		14.752	27.983	17.504		0.505	15.480		1.878	**179.975**
G12		2.193		7.721	2.142	2.027		38.947	0.388			**53.418**
G13		3.140		20.018	0.216	0.006		66.410	11.953			**101.743**
G14		3.991		1.049				36.749	2.848			**44.637**
G15		4.455			0.142				3.297			**7.894**
G16		2.652							0.892			**3.544**
G17		1.183	0.014						0.270			**1.467**
UNG				0.001					0.131			**0.132**
Total Non-Coking	**0.781**	**142.364**	**0.014**	**84.529**	**111.947**	**42.219**	**1.529**	**143.328**	**62.010**	**18.309**	**28.222**	**635.252**
India (17-18)	**0.781**	**142.546**	**0.014**	**123.297**	**112.127**	**42.219**	**1.529**	**143.328**	**62.010**	**18.309**	**29.240**	**675.400**

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

TABLE 3.15: GRADEWISE PRODUCTION OF COKING COAL AND NON COKING COAL IN INDIA DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Type	Grade	2008-09	2009-10	2010-11	2011-12	Grade (New)	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)	(10)	(11)	(12)
PRODUCTION OF COKING COAL	Steel-I	0.075	0.109	0.263	0.083	Steel-I	0.072	0.061	0.050	0.037	0.023	0.155
	Steel-II	0.960	1.380	1.558	1.135	Steel-II	1.37	0.604	0.456	1.051	1.004	0.051
	SC-1	0.169	0.167	0.17	0.199	SC-1	0.167	0.135	0.130	0.135	0.110	0.182
	Wash-I	0.318	0.297	0.235	0.246	Wash-I	0.26	0.145	0.115	0.415	0.315	0.176
	Wash-II	1.717	1.868	1.757	1.815	Wash-II	1.711	2.042	2.228	2.493	3.420	4.552
	Wash-III	8.090	10.068	10.165	13.147	Wash-III	12.346	12.616	12.335	12.968	10.796	3.991
	Wash-IV	23.472	30.524	35.399	35.035	Wash-IV	35.656	40.962	42.132	43.788	45.993	31.041
	SLV1	0.008	0	0	0	SLV1	0	0.253	0	0	0	0
	Met.Coal	17.301	17.731	17.695	13.784	Met.Coal	14.547	15.114	13.784	14.339	15.254	32.866
	Non Met	17.508	26.682	31.852	37.876	Non Met	37.035	41.704	43.662	46.548	46.344	7.282
	Total Coking	**34.809**	**44.413**	**49.547**	**51.660**	**Total Coking**	**51.582**	**56.818**	**57.446**	**60.887**	**61.661**	**40.148**
PRODUCTION OF NON - COKING COAL	A	10.179	10.692	12.182	14.942	G1	5.899	6.13	2.740	3.831	2.418	1.710
	B	24.854	25.827	24.023	59.312	G2	0.48	0.416	0.565	0.341	0.309	0.264
	C	51.058	56.147	55.581	28.918	G3	5.622	5.374	5.469	5.189	5.279	3.513
	D	48.006	50.518	45.710	77.109	G4	17.619	21.526	19.025	17.665	17.319	14.535
	E	112.993	117.855	121.227	78.257	G5	15.162	13.236	14.789	16.302	13.600	14.730
	F	201.286	219.097	212.693	205.194	G6	22.708	17.714	22.680	13.114	14.140	10.868
	G	9.332	7.099	10.612	13.712	G7	34.842	35.837	37.838	39.038	35.574	36.817
						G8	24.189	28.273	30.523	33.15	29.574	40.980
						G9	66.817	57.003	52.704	44.579	38.924	27.547
						G10	59.118	55.405	64.411	82.855	98.175	91.478
						G11	120.369	126.328	130.703	147.46	143.233	179.975
						G12	36.932	56.372	79.169	90.578	91.786	53.418
						G13	81.09	68.984	76.348	77.619	90.937	101.743
						G14	3.168	4.556	5.054	1.439	6.419	44.637
						G15	3.968	3.858	3.806	4.073	3.263	7.894
						G16	1.63	3.093	2.627	0.418	4.505	3.544
						G17	5.207	4.786	3.258	0.666	0.459	1.467
	Ungraded	0.240	0.394	1.119	10.846			0.056	0.024	0.026	0.293	0.132
	Total Non-Coking	**457.948**	**487.629**	**483.147**	**488.290**		**504.820**	**508.947**	**551.733**	**578.343**	**596.207**	**635.252**
TOTAL COAL		**492.757**	**532.042**	**532.694**	**539.950**		**556.402**	**565.765**	**609.179**	**639.230**	**657.868**	**675.400**

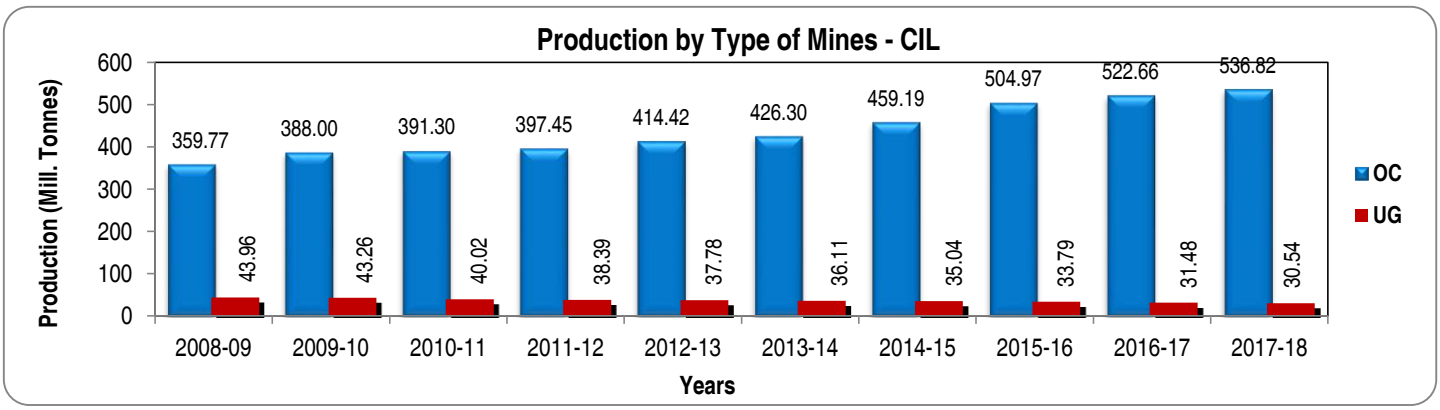
Note: (1) Meghalaya Coal has not been graded by Coal Controller. For Statistical purpose grade may be treated as "A" / "B" non-coking coal.

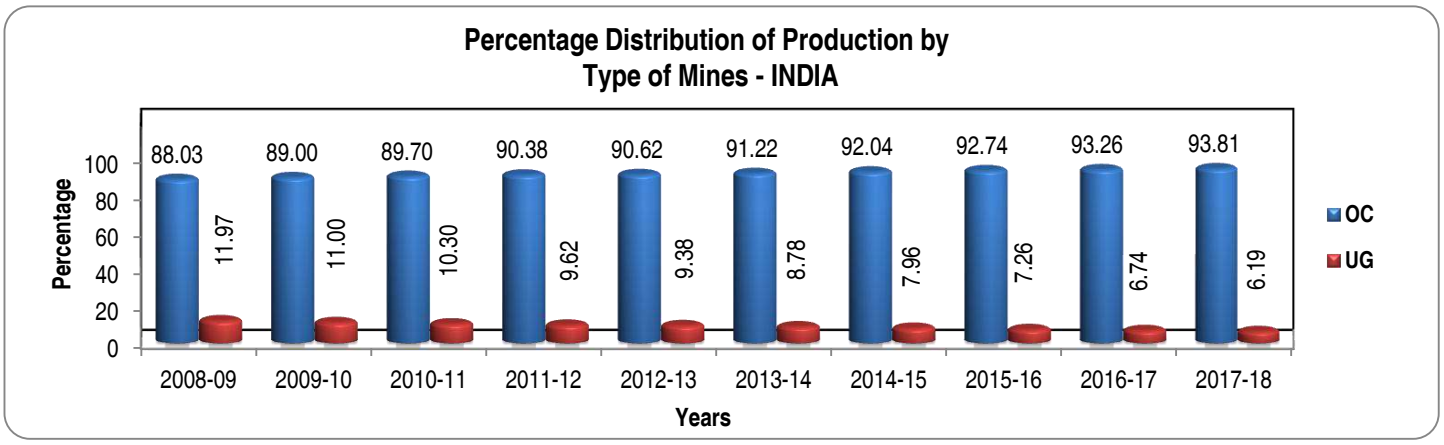
(2) For definition of grade please see page I.2

TABLE 3.16: 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)
2008-09	359.771	32.459	433.785	88.03	8.94	43.959	12.087	58.972	11.97	0.12	492.757	7.80
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





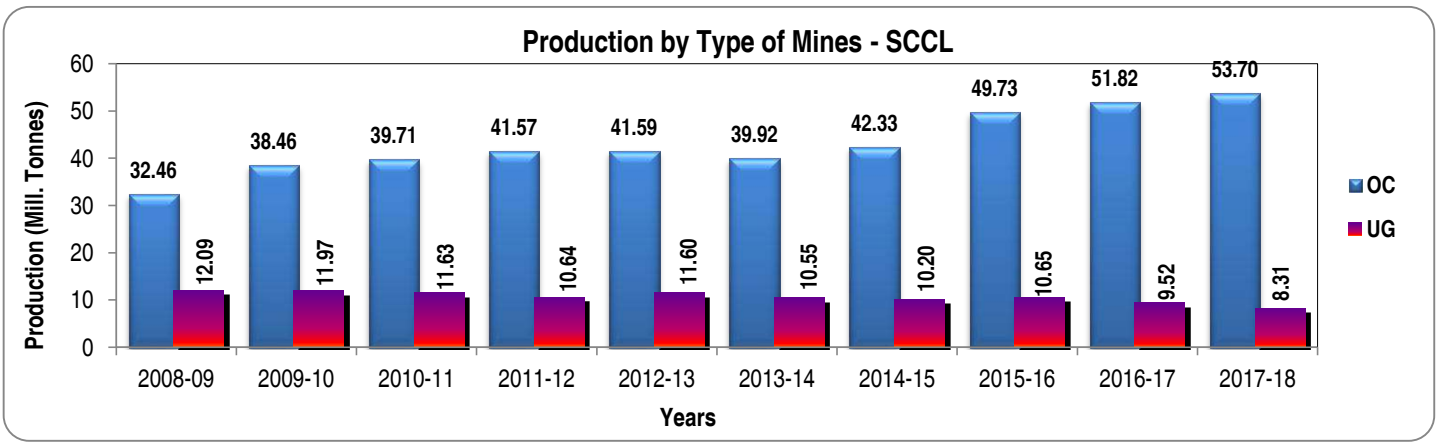


TABLE 3.17 : COMPANY WISE PRODUCTION OF RAW COAL FROM OPENCAST AND UNDER GROUND MINES IN TWO YEARS

(Quantity in Million Tonnes)

COMPANIES	YEAR 2016 - 2017						YEAR 2017 - 2018					
	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	32.390	5.28	-1.49	8.127	18.32	10.89	34.965	5.52	7.95	8.603	20.57	5.86
BCCL	35.358	5.76	3.83	1.679	3.79	-7.03	31.531	4.98	-10.82	1.076	2.57	-35.91
CCL	66.310	10.81	9.65	0.737	1.66	-13.09	63.000	9.94	-4.99	0.405	0.97	-45.05
NCL	84.096	13.71	4.83				93.018	14.68	10.61			
WCL	40.264	6.56	6.99	5.368	12.10	-25.24	41.266	6.51	2.49	4.954	11.84	-7.71
SECL	120.131	19.58	-0.01	14.548	32.80	-6.18	125.694	19.84	4.63	14.461	34.57	-0.60
SECL(GP-IV/2&3)	4.480	0.73	96.66				3.227	0.51	-27.97			
SECL(GP-IV/1)	0.844	0.14					1.327	0.21	57.23			
MCL	138.193	22.52	1.03	1.015	2.29	-8.72	142.017	22.42	2.77	1.041	2.49	2.56
NEC	0.597	0.10	23.35	0.003	0.01	0.00	0.778	0.12	30.32	0.003	0.01	0.00
CIL	**522.663**	**85.19**	**3.50**	**31.477**	**70.97**	**-6.83**	**536.823**	**84.73**	**2.71**	**30.543**	**73.02**	**-2.97**
SCCL	51.821	8.45	4.21	9.515	21.45	-10.68	53.700	8.48	3.63	8.310	19.87	-12.66
JKML		0.00		0.010	0.02	-23.08				0.014	0.03	40.00
DVC	0.152	0.02	-62.28				0.047	0.01	-69.08			
IISCO	0.506	0.08	10.24	0.260	0.59	-2.99	0.566	0.09	11.86	0.227	0.54	-12.69
JSMDCL	0.297	0.05	56.32				0.351	0.06	18.18			
RRVUNL	8.267	1.35	33.12				8.329	1.31	0.75			
NTPC	0.228	0.04	0.00				2.679	0.42	1075.00			
SAIL		0.00					0.185	0.03				
PUBLIC	**583.934**	**95.18**	**3.91**	**41.262**	**93.04**	**-7.73**	**602.680**	**95.12**	**3.21**	**39.094**	**93.46**	**-5.25**
TSL	5.006	0.82	4.90	1.310	2.95	-10.03	5.046	0.80	0.80	1.178	2.82	-10.08
Meghalaya	2.308	0.38	-37.82				1.529	0.24	-33.75			
BALCO	0.180	0.03	50.00				0.000	0.00	-100.00			
CESC	1.742	0.28	-7.19				1.878	0.30	7.81			
GMR	0.151	0.02	-73.04				0.270	0.04	78.81			
HIL	0.400	0.07	39900.00	1.600	3.61	2252.94	1.188	0.19	197.00	1.226	2.93	-23.38
JPVL	2.800	0.46	0.00				2.800	0.44	0.00			
SIL		0.00		0.153	0.34	-7.27				0.270	0.65	76.47
SPL	16.997	2.77	-0.15				18.003	2.84	5.92			
RCCPL				0.025	0.06					0.063	0.15	152.00
TUML							0.175	0.03	0.00			
PRIVATE	**29.584**	**4.82**	**-4.15**	**3.088**	**6.96**	**82.83**	**30.889**	**4.88**	**4.41**	**2.737**	**6.54**	**-11.37**
All India	**613.518**	**100.00**	**3.49**	**44.350**	**100.00**	**-4.43**	**633.569**	**100.00**	**3.27**	**41.831**	**100.00**	**-5.68**

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

TABLE 3.18 : COMPANYWISE PRODUCTION OF COAL FROM OPENCAST AND UNDERGROUND MINES BY TECHNOLOGY IN 2017-18

(Quantity in Million Tonnes)

Type of Mine	OPENCAST						UNDER GROUND											Total Quantity
Technology:	Mechanised		Manual		**Total OC**		Conven. B & P		Mecha. B & P		Conven. LW		Mecha. LW		Other Methods		**Total UG**	
Company	Quan-tity	% of OC	Quan-tity	% of OC	**Quan-tity**	**% of Total**	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of UG	**Quan-tity**	**% of Tot**	
(1)	(2)	(3)	(4)	(5)	**(6)**	**(7)**	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	**(18)**	**(19)**	**(20)**
ECL	34.965	5.5			**34.965**	**5.5**	0.130	23.0	5.101	16.2			1.482	68.3	1.890	25.2	**8.603**	**20.6**	**43.568**
BCCL	31.531	5.0			**31.531**	**5.0**			0.641	2.0	0.053	36.3	0.382	17.6			**1.076**	**2.6**	**32.607**
CCL	63.000	9.9			**63.000**	**9.9**	0.073	12.9	0.332	1.1							**0.405**	**1.0**	**63.405**
NCL	93.018	14.7			**93.018**	**14.7**											**0.000**	**0.0**	**93.018**
WCL	41.266	6.5			**41.266**	**6.5**	0.034	6.0	4.920	15.6							**4.954**	**11.8**	**46.220**
SECL	125.694	19.8			**125.694**	**19.8**			9.944	31.6					4.517	60.3	**14.461**	**34.6**	**140.155**
SECL(GP-IV/2&3)	3.227	0.5			**3.227**	**0.5**											**0.000**	**0.0**	**3.227**
SECL(GP-IV/1)	1.327	0.2			**1.327**	**0.2**											**0.000**	**0.0**	**1.327**
MCL	142.017	22.4			**142.017**	**22.4**			1.041	3.3							**1.041**	**2.5**	**143.058**
NEC	0.778	0.1			**0.778**	**0.1**									0.003	0.0	**0.003**	**0.0**	**0.781**
CIL	**536.823**	**84.7**	**0.000**	**0.0**	**536.823**	**84.7**	**0.237**	**41.9**	**21.979**	**69.9**	**0.053**	**36.3**	**1.864**	**85.9**	**6.410**	**85.5**	**30.543**	**73.0**	**567.366**
SCCL	53.700	8.5			**53.700**	**8.5**	0.148	26.1	6.896	21.9			0.306	14.1	0.960	12.8	**8.310**	**19.9**	**62.010**
JKML		0.0			**0.000**	**0.0**	0.014	2.5									**0.014**	**0.0**	**0.014**
JSMDCL	0.351	0.1			**0.351**	**0.1**											**0.000**	**0.0**	**0.351**
DVC	0.047	0.0			**0.047**	**0.0**											**0.000**	**0.0**	**0.047**
IISCO	0.566	0.1			**0.566**	**0.1**	0.007	1.2			0.093	63.7			0.127	1.7	**0.227**	**0.5**	**0.793**
SAIL	0.185	0.0			**0.185**	**0.0**											**0.000**	**0.0**	**0.185**
RRVUNL	8.329	1.3			**8.329**	**1.3**											**0.000**	**0.0**	**8.329**
NTPC	2.679	0.4			**2.679**	**0.4**											**0.000**	**0.0**	**2.679**
Total Public	**602.680**	**95.1**	**0.000**	**0.0**	**602.680**	**95.1**	**0.406**	**71.7**	**28.875**	**91.8**	**0.146**	**100.0**	**2.170**	**100.0**	**7.497**	**100.0**	**39.094**	**93.5**	**641.774**
TSL	5.046	0.8			**5.046**	**0.8**	0.160	28.3	1.018	3.2							**1.178**	**2.8**	**6.224**
Meghalaya	1.529	0.2			**1.529**	**0.2**											**0.000**	**0.0**	**1.529**
BALCO	0.000	0.0			**0.000**	**0.0**											**0.000**	**0.0**	**0.000**
CESC	1.878	0.3			**1.878**	**0.3**											**0.000**	**0.0**	**1.878**
GMR	0.270	0.0			**0.270**	**0.0**											**0.000**	**0.0**	**0.270**
HIL	1.188	0.2			**1.188**	**0.2**			1.226	3.9							**1.226**	**2.9**	**2.414**
JPVL	2.800	0.4			**2.800**	**0.4**											**0.000**	**0.0**	**2.800**
SIL	0.000	0.0			**0.000**	**0.0**			0.270	0.9							**0.270**	**0.6**	**0.270**
SPL	18.003	2.8			**18.003**	**2.8**											**0.000**	**0.0**	**18.003**
RCCPL	0.000	0.0			**0.000**	**0.0**			0.063	0.2							**0.063**	**0.2**	**0.063**
TUML	0.175	0.0			**0.175**	**0.0**											**0.000**	**0.0**	**0.175**
PRIVATE	**30.889**	**4.9**	**0.000**	**0.0**	**30.889**	**4.9**	**0.160**	**28.3**	**2.577**	**8.2**	**0.000**	**0.0**	**0.000**	**0.0**	**0.000**	**0.0**	**2.737**	**6.5**	**33.626**
India(16-17)	**633.569**	**100.0**	**0.000**	**0.0**	**633.569**	**100.0**	**0.566**	**100.0**	**31.452**	**100.0**	**0.146**	**100.0**	**2.170**	**100.0**	**7.497**	**100.0**	**41.831**	**100.0**	**675.400**

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

TABLE 3.19 : 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	2015 - 2016			2016 - 2017			2017 - 2018		
	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	119.219	32.879	3.63	124.637	32.390	3.85	118.895	34.965	3.40
BCCL	148.591	34.055	4.36	131.215	35.358	3.71	110.466	31.531	3.50
CCL	103.571	60.476	1.71	102.630	66.310	1.55	95.622	63.000	1.52
NCL	338.090	80.224	4.21	324.136	84.096	3.85	316.795	93.018	3.41
WCL	155.145	37.635	4.12	166.142	40.264	4.13	185.287	41.266	4.49
SECL	174.824	120.149	1.46	174.588	120.131	1.45	203.898	125.694	1.62
SECL(GP-IV/2&3)	0.543	2.278	0.24	3.039	4.480	0.68	0.634	3.227	0.20
SECL(GP-IV/1)				1.164	0.844	1.38	0.486	1.327	0.37
MCL	98.410	136.789	0.72	123.342	138.193	0.89	138.179	142.017	0.97
NEC	0.007	0.484	0.01	5.676	0.597	9.51	7.853	0.778	10.09
CIL	**1138.400**	**504.969**	**2.25**	**1156.569**	**522.663**	**2.21**	**1178.115**	**536.823**	**2.19**
SCCL	310.763	49.727	6.25	312.636	51.821	6.03	392.115	53.700	7.30
JKML								0.000	
DVC	0.328	0.403	0.81	0.202	0.152	1.33	0.198	0.047	4.21
IISCO	2.626	0.459	5.72	2.619	0.506	5.18	4.100	0.566	7.24
SAIL							0.065	0.185	0.35
JSMDCL	0.420	0.190	2.21	0.517	0.297	1.74	0.731	0.351	2.08
RRVUNL	11.966	6.210	1.93	16.189	8.267	1.96	19.493	8.329	2.34
NTPC				4.252	0.228	18.65	8.497	2.679	3.17
PUBLIC	**1464.503**	**561.958**	**2.61**	**1492.984**	**583.934**	**2.56**	**1603.314**	**602.680**	**2.66**
TSL	18.161	4.772	3.81	20.043	5.006	4.00	18.891	5.046	3.74
Meghalaya		3.712			2.308	0.00		1.529	0.00
HIL		0.001	0.00	2.313	0.400	5.78	9.189	1.188	7.73
SPL	65.692	17.022	3.86	78.087	16.997	4.59	77.366	18.003	4.30
CESC	6.540	1.877		4.639	1.742	2.66	5.503	1.878	2.93
GMR	0.993	0.560		0.229	0.151	1.52	0.112	0.270	0.41
BALCO	1.813	0.120		0.975	0.180	5.42			
JPVL	13.290	2.800		18.108	2.800	6.47	16.992	2.800	6.07
TUML							0.412	0.175	2.35
PRIVATE	**106.489**	**30.864**	**3.92**	**124.394**	**29.584**	**4.56**	**128.465**	**30.889**	**4.38**
INDIA	**1570.992**	**592.822**	**2.67**	**1617.378**	**613.518**	**2.65**	**1731.779**	**633.569**	**2.74**

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

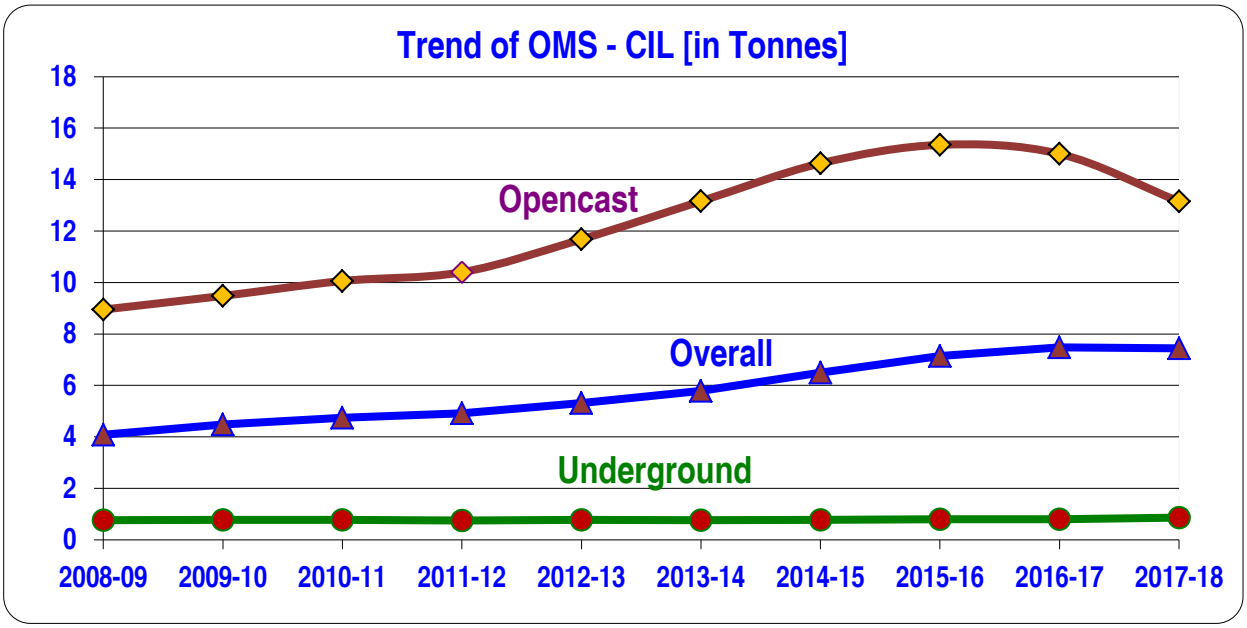
(2) Meghalaya OBR figures are not known and not reported.

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

TABLE 3.20: 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)
2008-09	8.95	10.60	0.76	1.05	4.09	3.01
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



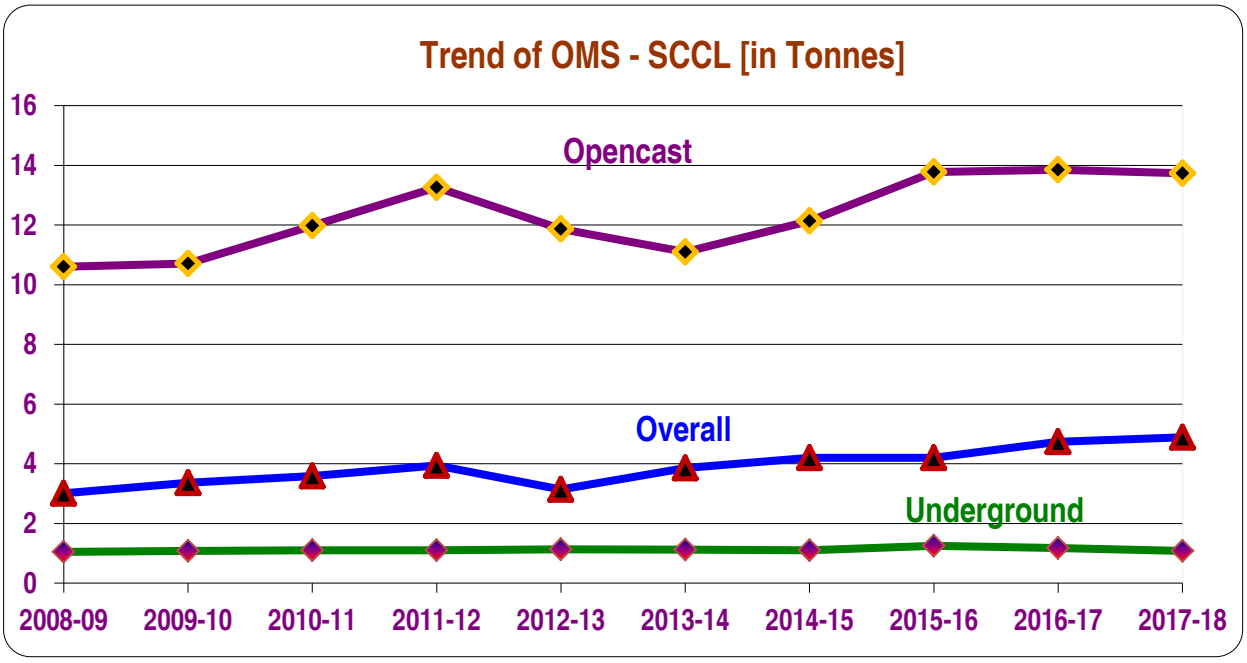


TABLE 3.21 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2015-2016			2016-2017			2017-2018		
		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	32.879	2.648	12.42	32.390	2.510	12.91	34.965	2.415	14.48
BCCL	OC	34.055	3.379	10.48	35.358	4.097	8.60	31.531	4.835	6.48
CCL	OC	60.476	6.786	8.91	66.310	6.761	9.81	63.000	6.722	9.37
NCL	OC	80.224	4.276	21.24	84.096	4.121	20.18	93.018	6.889	0.00
WCL	OC	37.635	4.790	5.41	40.264	7.102	0.56	41.266	11.289	3.62
SECL	OC	120.149	5.118	23.48	120.131	4.677	26.63	125.694	3.962	31.72
SECL(GP-IV/2&3)	OC	2.278	0.090	25.31	4.480	0.024	188.48	3.227	0.034	95.39
SECL(GP-IV/1)	OC				0.844	0.010	80.86	1.327	0.020	66.63
MCL	OC	136.789	5.642	24.00	138.193	5.374	25.72	142.017	4.505	31.52
NEC	OC	0.484	0.173	2.80	0.597	0.163	3.67	0.778	0.149	5.21
CIL	**OC**	**504.969**	**32.902**	**15.35**	**522.663**	**34.839**	**15.00**	**536.823**	**40.820**	**13.15**
SCCL	**OC**	**10.653**	**2.758**	**13.78**	**51.821**	**2.863**	**13.85**	**53.700**	**2.951**	**13.73**
ECL	UG	7.329	13.056	0.56	8.127	12.656	0.64	8.603	12.019	0.72
BCCL	UG	1.806	7.408	0.24	1.679	6.289	0.30	1.076	5.339	0.20
CCL	UG	0.848	2.640	0.32	0.737	2.507	0.29	0.405	2.091	0.19
NCL	UG									
WCL	UG	7.180	6.455	1.11	5.368	5.772	0.93	4.954	5.344	0.93
SECL	UG	15.507	11.090	1.40	14.548	10.318	1.41	14.461	9.162	1.58
SECL(GP-IV/2&3)	UG									
SECL(GP-IV/1)	UG									
MCL	UG	1.112	1.662	1.00	1.015	1.560	0.65	1.041	1.402	0.74
NEC	UG	0.003	0.178	0.01	0.003	0.150	0.02	0.003	0.124	0.02
CIL	**UG**	**33.785**	**42.489**	**0.80**	**31.477**	**39.252**	**0.80**	**30.543**	**35.481**	**0.86**
SCCL	**UG**	**53.700**	**8.477**	**1.25**	**9.515**	**8.104**	**1.17**	**8.310**	**7.546**	**1.08**
ECL	ALL	40.208	15.704	2.56	40.517	15.166	2.67	43.568	14.434	2.67
BCCL	ALL	35.861	10.787	3.32	37.037	10.386	3.60	32.607	10.174	3.60
CCL	ALL	61.324	9.426	6.51	67.047	9.268	7.23	63.405	8.813	7.23
NCL	ALL	80.224	4.276	18.76	84.096	4.121	20.18	93.018	6.889	20.18
WCL	ALL	44.815	11.245	3.99	45.632	12.874	3.50	46.220	16.633	3.50
SECL	ALL	135.656	16.208	8.37	134.679	14.995	9.29	140.155	13.124	9.29
SECL(GP-IV/2&3)	ALL	2.278	0.090	25.31	4.480	0.024	188.48	3.227	0.034	188.48
SECL(GP-IV/1)	ALL				0.844	0.010	80.86	1.327	0.020	80.86
MCL	ALL	137.901	7.304	18.88	139.208	6.934	20.08	143.058	5.907	20.08
NEC	ALL	0.487	0.351	1.39	0.600	0.313	1.92	0.781	0.273	1.92
CIL	**ALL**	**538.754**	**75.391**	**7.15**	**554.140**	**74.091**	**7.48**	**567.366**	**76.301**	**7.44**
SCCL	**ALL**	**64.353**	**11.235**	**4.20**	**61.336**	**10.967**	**4.74**	**62.010**	**10.497**	**4.89**

TABLE 3.22: STATEWISE PRODUCTION OF RAW COAL BY TYPE OF MINES IN LAST THREE YEARS

(Quantity in Million Tonnes)

STATES	2015-2016			2016-2017			2017-2018		
	OC	UG	**TOTAL**	OC	UG	**TOTAL**	OC	UG	**TOTAL**
(1)	(2)	(3)	**(4)**	(5)	(6)	**(7)**	(8)	(9)	**(10)**
Assam	0.484	0.003	**0.487**	0.597	0.003	**0.600**	0.778	0.003	**0.781**
Chhattisgarh	122.372	8.233	**130.605**	129.411	9.114	**138.525**	133.463	9.083	**142.546**
Jammu & Kashmir		0.013	**0.013**		0.010	**0.010**	0.000	0.014	**0.014**
Jharkhand	116.149	4.918	**121.067**	121.968	4.467	**126.435**	119.996	3.301	**123.297**
Maharashtra	35.402	2.949	**38.351**	38.148	2.411	**40.559**	39.974	2.245	**42.219**
Meghalaya	3.712	0.000	**3.712**	2.308		**2.308**	1.529	0.000	**1.529**
Madhya Pradesh	95.976	11.738	**107.714**	94.844	10.169	**105.013**	102.481	9.646	**112.127**
Odisha	137.349	1.112	**138.461**	138.344	1.015	**139.359**	142.287	1.041	**143.328**
Telangana	49.727	10.653	**60.380**	51.821	9.515	**61.336**	53.700	8.310	**62.010**
Uttar Pradesh	12.689	0.000	**12.689**	16.056		**16.056**	18.309	0.000	**18.309**
West Bengal	18.962	6.789	**25.751**	20.021	7.646	**27.667**	21.052	8.188	**29.240**
ALL INDIA	**592.822**	**46.408**	**639.230**	**613.518**	**44.350**	**657.868**	**633.569**	**41.831**	**675.400**

TABLE 3.23 : CAPTIVE BLOCK WISE PRODUCTION OF RAW COAL DURING LAST THREE YEARS

(Quantity in Million Tonnes)

Block	Company	State	2015-16			2016-17			2017-18		
			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		2.278	**2.278**		4.480	**4.480**		3.227	**3.227**
Gare Palma IV/1	SECL	Chhattisgarh					0.844	**0.844**		1.327	**1.327**
Parsa East & Kanta Basan	RRVUNL	Chhattisgarh		6.210	**6.210**		8.267	**8.267**		8.329	**8.329**
Pakri Barwadih	NTPC	Jharkhand					0.228	**0.228**		2.679	**2.679**
Tasra	SAIL	Jharkhand							0.185		**0.185**
Total Public			**0.000**	**8.488**	**8.488**	**0.000**	**13.819**	**13.819**	**0.185**	**15.562**	**15.747**
Gare Palma IV/4	HIL	Chhattisgarh		0.069	**0.069**		1.000	**1.000**		0.939	**0.939**
Gare Palma IV/5	HIL	Chhattisgarh					1.000	**1.000**		0.675	**0.675**
Kathautia	HIL	Jharkhand								0.800	**0.800**
Amelia North	JPVL	Madhya Pradesh		2.800	**2.800**		2.800	**2.800**		2.800	**2.800**
Belgaon	SIL	Maharastra		0.165	**0.165**		0.153	**0.153**		0.270	**0.270**
Chotia	BALCO	Chhattisgarh		0.120	**0.120**		0.180	**0.180**		0.000	**0.000**
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		17.022	**17.022**		16.997	**16.997**		18.003	**18.003**
Sarshatali	CESC	West Bengal		1.877	**1.877**		1.742	**1.742**		1.878	**1.878**
Talabira I	GMR	Odisha		0.560	**0.560**		0.151	**0.151**		0.270	**0.270**
Sial Ghogri	RCCPL	Madhya Pradesh					0.025	**0.025**		0.063	**0.063**
Marki Mangli I	TUML	Maharastra								0.175	**0.175**
Total Private			**0.000**	**22.613**	**22.613**	**0.000**	**24.048**	**24.048**	**0.000**	**25.873**	**25.873**
Grand Total			**0.000**	**31.101**	**31.101**	**0.000**	**37.867**	**37.867**	**0.185**	**41.435**	**41.620**

Section IV
4.1 Despatch & Off-take

4.1.1 In 2017-18, despatch of raw coal was 690.003 MT, against 645.978 Mt in 2016-17, thus increased by 6.8% over 2016-17.

4.1.2 Statement 4.1 shows despatch of raw coal (coking and non-coking) by public and private sector in 2017-18.

Statement 4.1: Despatch of Raw Coal

Company	Coal Despatch (2017-18) [MT]		
	Coking	Non-coking	**Total**
ECL	0.039	43.395	**43.434**
BCCL	24.165	9.138	**33.303**
CCL	13.966	53.543	**67.509**
NCL		96.772	**96.772**
WCL	0.279	48.464	**48.743**
SECL*	0.303	150.789	**151.092**
MCL		138.262	**138.262**
NEC		0.895	**0.895**
CIL	**38.752**	**541.258**	**580.010**
SCCL		64.623	**64.623**
Other Public	0.415	11.658	**12.073**
Total Public	**39.167**	**617.539**	**656.706**
Total Private	**6.213**	**27.084**	**33.297**
ALL INDIA	**45.380**	**644.623**	**690.003**

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

It can be seen that Coal India Limited accounted for 84.06% of coal despatch in the country. The share of SCCL in the coal despatch was 9.37% and the contribution of private sector was 4.8%. In the CIL group, the major share in despatch was SECL (21.9%), MCL (20.04%) and NCL (14.02%). These three companies collectively accounted for 55.96% of the raw coal despatch at all India level.

4.1.3 Concept of despatch and off-take has been explained in Section 1. In Statement 4.2, despatch and off-take or raw coal in 2017-18, has been shown.

Statement 4.2 : Despatch and Off-take of Raw Coal in India in 2017-18 by Company [MT]

Company	Raw Coal	
	Despatch	Off-take
ECL	43.434	43.629
BCCL	33.303	33.327
CCL	67.509	67.510
NCL	96.772	96.772
WCL	48.743	48.748
SECL*	151.092	151.106
MCL	138.262	138.266
NEC	0.895	0.895
CIL	**580.010**	**580.253**
SCCL	64.623	64.623
Other Public	12.073	12.073
Total Public	**656.706**	**656.949**
Total Private	**33.297**	**33.297**
ALL INDIA	**690.003**	**690.246**

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

4.1.4 Statement 4.3 shows despatch of washed coal and middlings in 2017-18 by different companies. It may be observed that share of public sector in washed was 80.7% and middling was 67.2%.

Statement 4.3 : Despatch of Washed Coal and Middlings in 2017-18 (MT)

Company	Washed coal	Middlings
BCCL	0.803	0.689
CCL	8.058	1.335
IISCO	0.664	0.711
RRVUNL	7.052	
Public	**16.577**	**2.735**
TSL	3.166	1.336
CESC	0.798	
Private	**3.964**	**1.336**
Total	**20.541**	**4.071**

4.1.5 Statement 4.4 shows details on despatch and off-take of raw coal to different sectors of the industry in the country during 2017-18. It may be seen that out of total despatch to different sector, maximum share was of power utility 75.30% and power captive 9.55%. The share of steel, cement, sponge Iron etc. are shown in the statement.

Statement 4.4: Despatch of Raw Coal in India in 2017-18 to different sectors [MT]	
Sector	Despatch & Off-take [MT]
Power (Utility)	519.582
Power (Captive)	65.906
Steel	11.074
Cement	7.708
Sponge Iron	8.528
Fertilizers	1.883
Pulp & Paper	1.510
Other Basic Metal	0.806
Chemical	0.277
Textiles & Rayons	0.238
Steel Boiler	0.373
Bricks	0.115
Others	72.003
Total Despatch	**690.003**
Colliery Consumption	0.243
Total Off-take	**690.246**

4.1.6 Statement 4.5 shows that out of total despatch of lignite in 2017-18, share of despatch to power utility was 50.62% and power captive 33.24%.

Statement 4.5: Despatch of Lignite in India in 2017-18 to different sectors [MT]	
Sector	Despatch & Off-take [MT]
Power (Utility)	23.445
Power (Captive)	15.394
Steel Boiler	0.120
Cement	1.091
Sponge Iron	0.093
Pulp & Paper	0.758
Chemical	0.223
Textiles & Rayons	2.457
Bricks	0.380
Others	2.356
Total Despatch	**46.317**
Colliery Consumption	0.000
Total Off-take	**46.317**

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

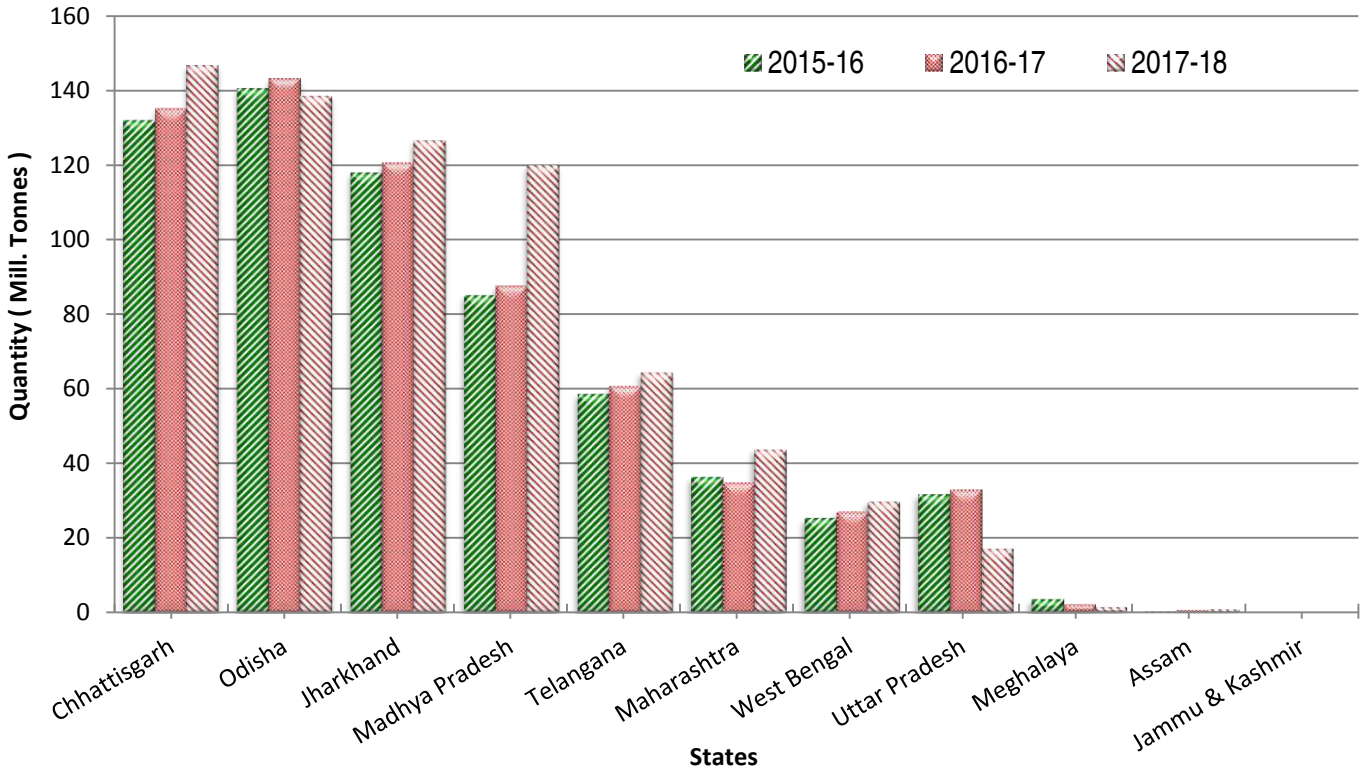


Chart IV.2 : Despatches of Raw Coal from different companies during last three years

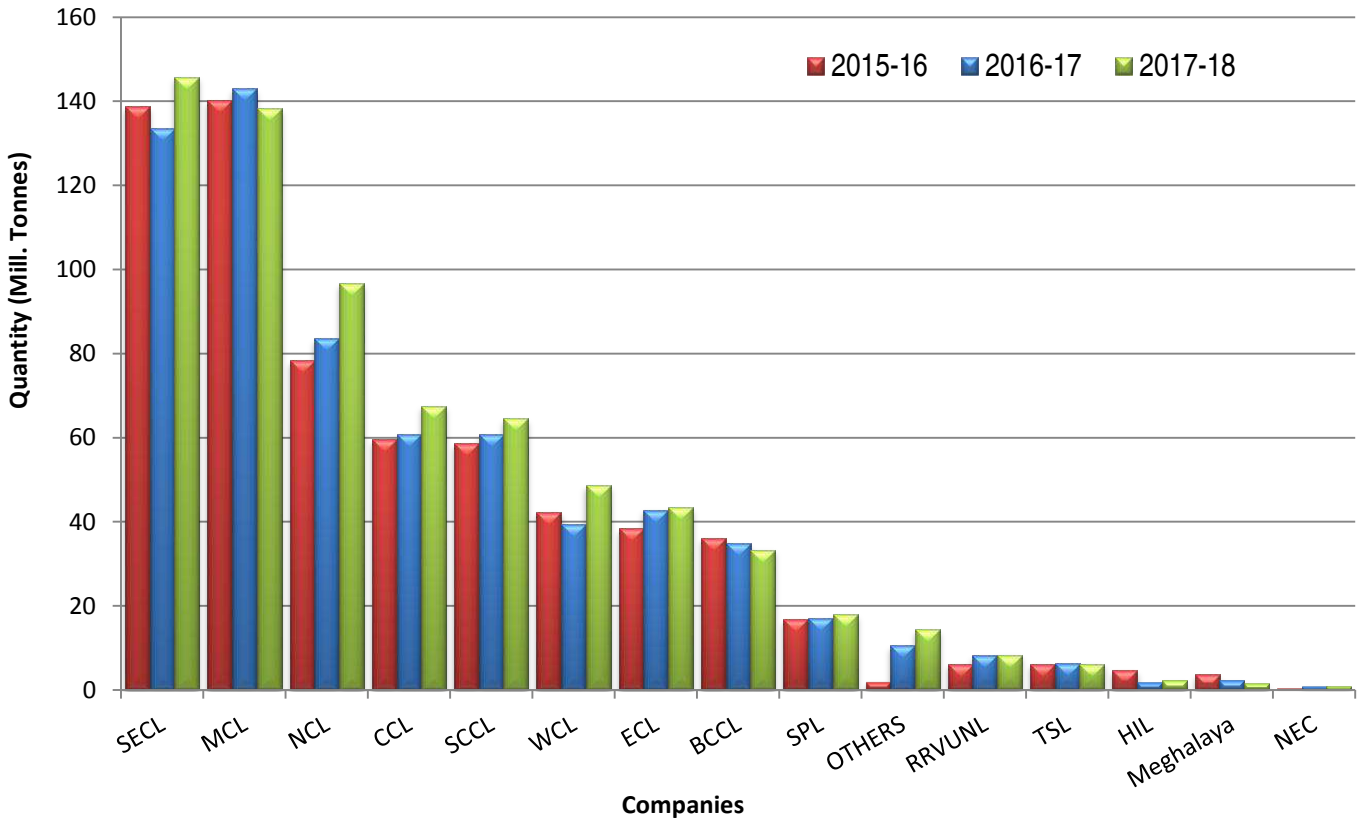


Chart IV.3: Sectorwise Despatches of Raw Coal from different companies in 2017-18

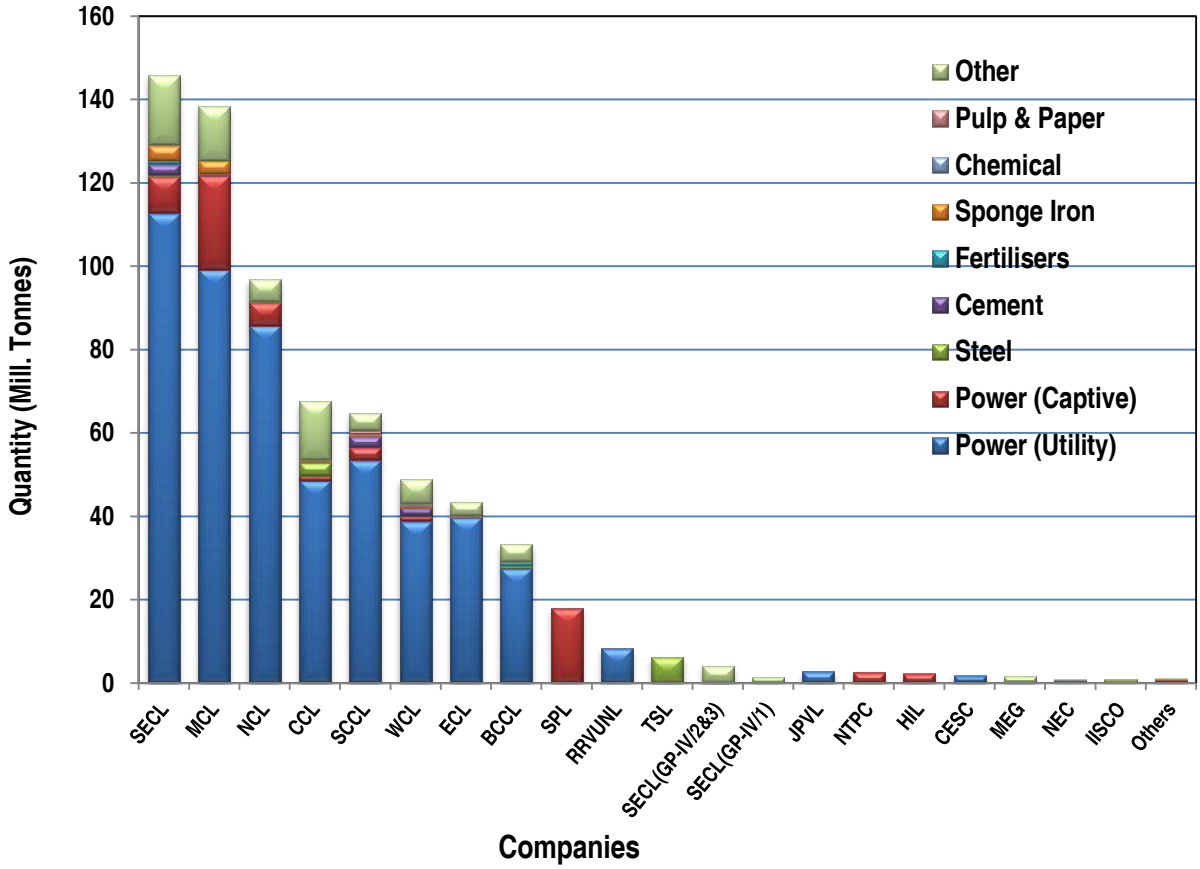


Chart IV.4: Grade Wise Raw Coal Despatchesd during 2017-18

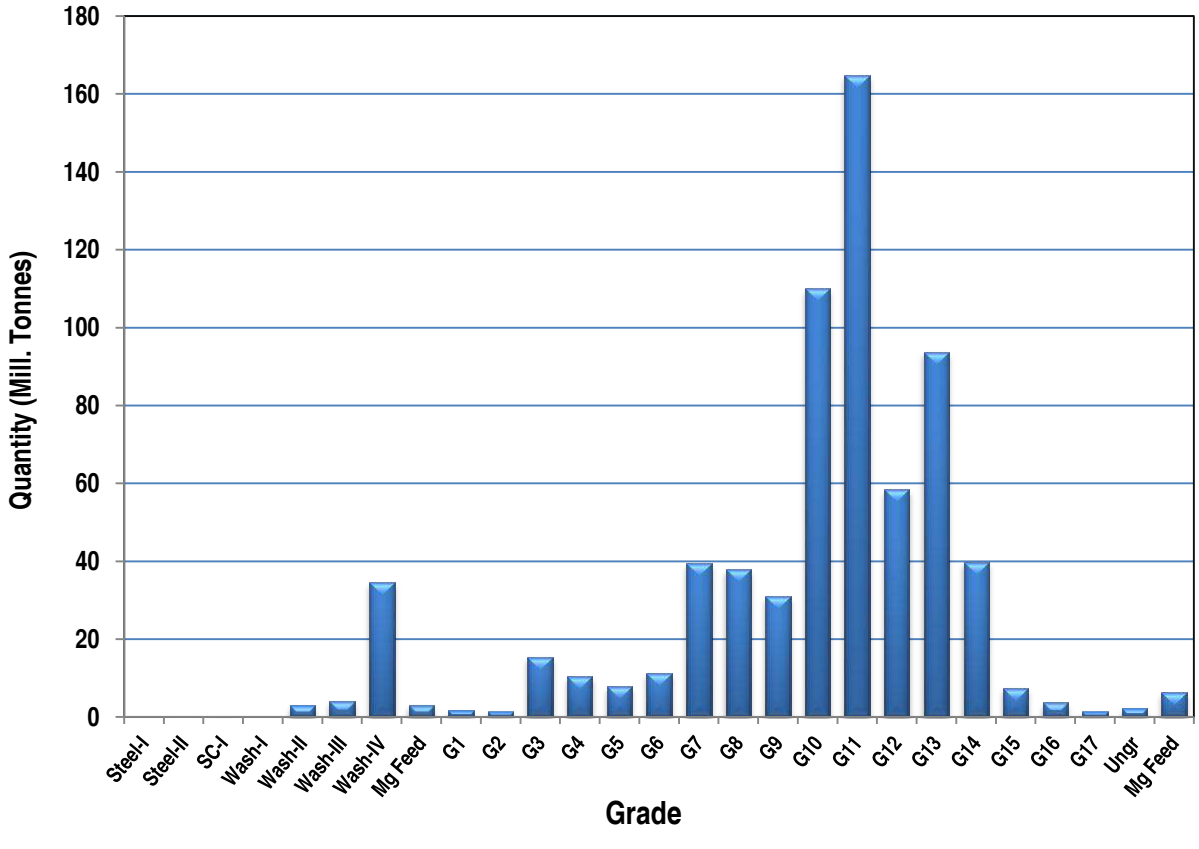
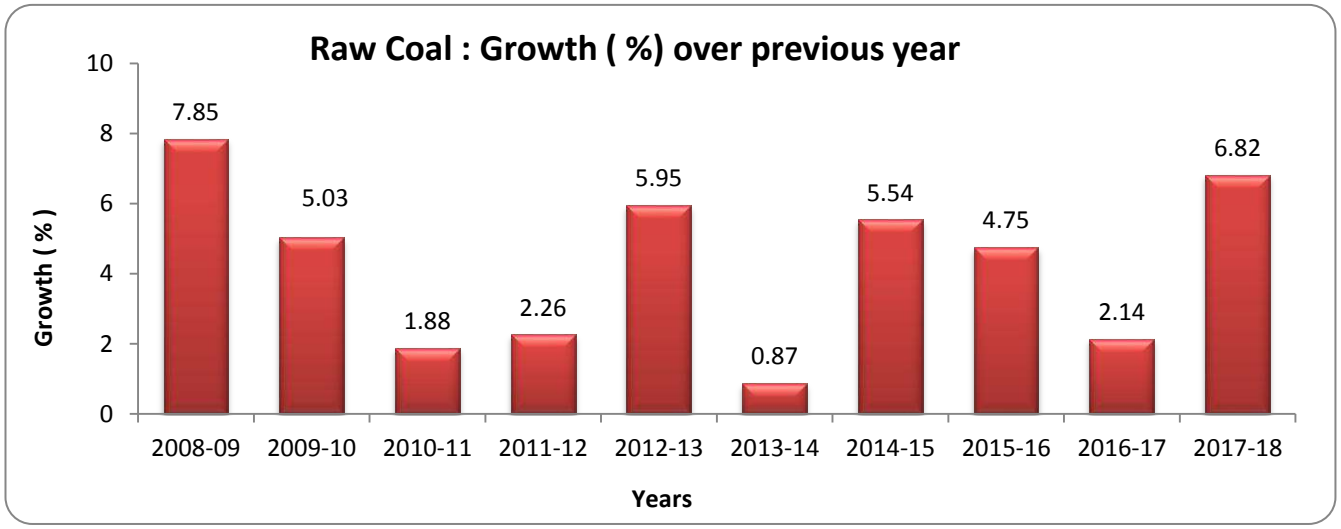


TABLE 4.1: TREND OF DESPATCHES OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS

(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)**
2008-09	489.172	93.90	7.85	31.793	6.10	-8.26	**520.965**	**6.71**
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**



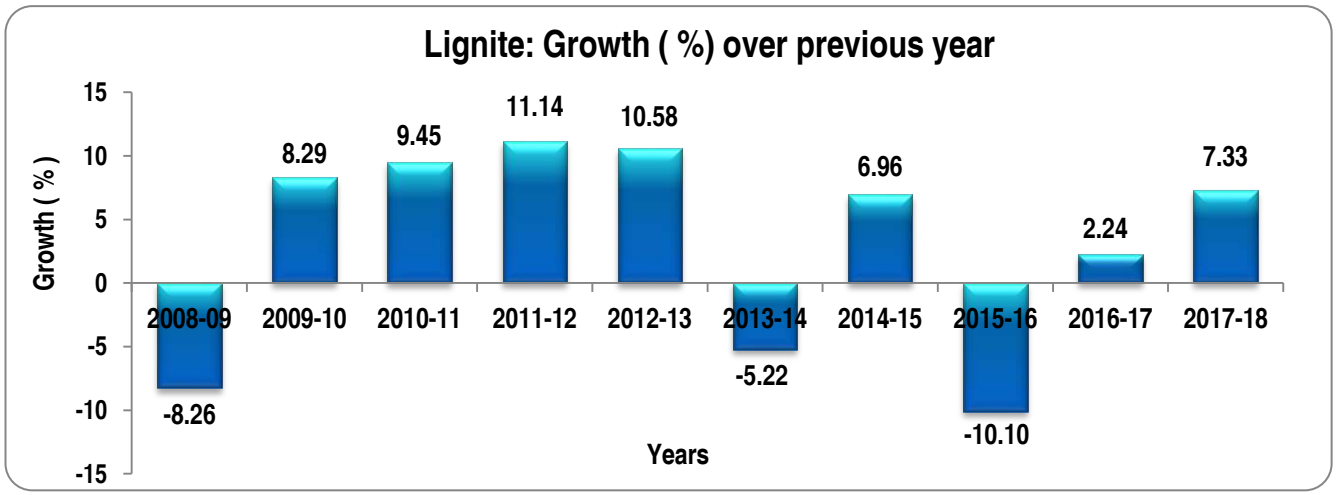
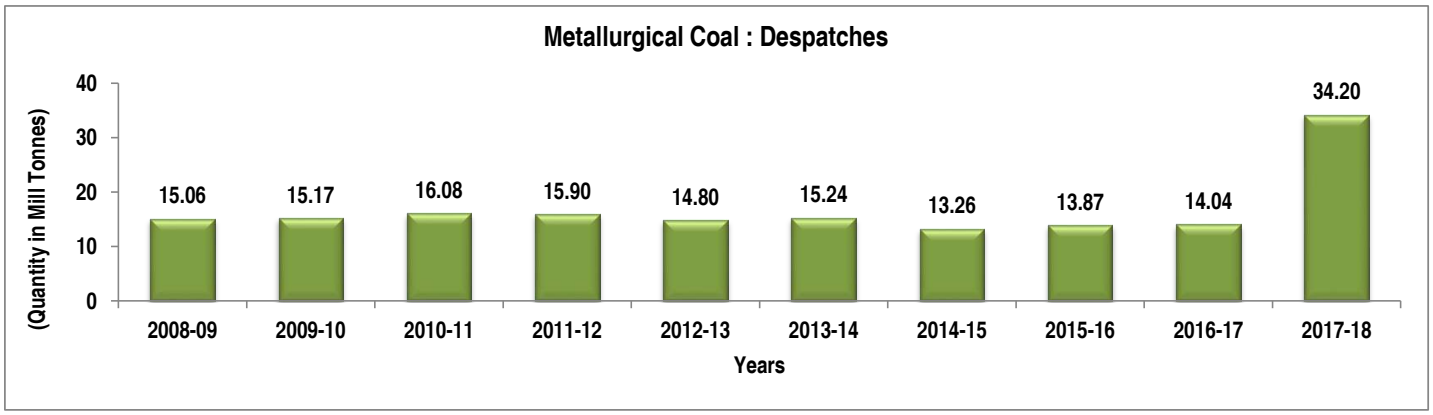


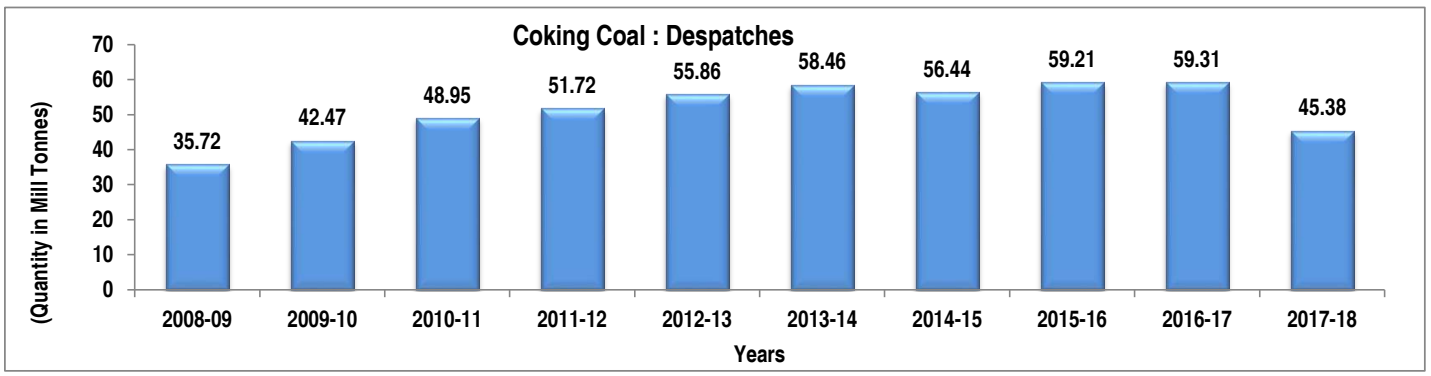
TABLE 4.2: TREND OF DESPATCHES OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal							
	Despatches	Share in total coking coal(%)	Change over previous year (%)	Despatches	Share in total coking coal(%)	Change over previous year (%)	Despatches	Share in total raw coal(%)	Change over previous year (%)	Despatches	Share in total raw coal(%)	Change over previous year (%)	Despatches	Change over previous year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2008-09	15.061	42.16	-8.38	20.663	57.84	20.80	35.724	7.30	6.50	453.448	92.70	7.96	489.172	7.85
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

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





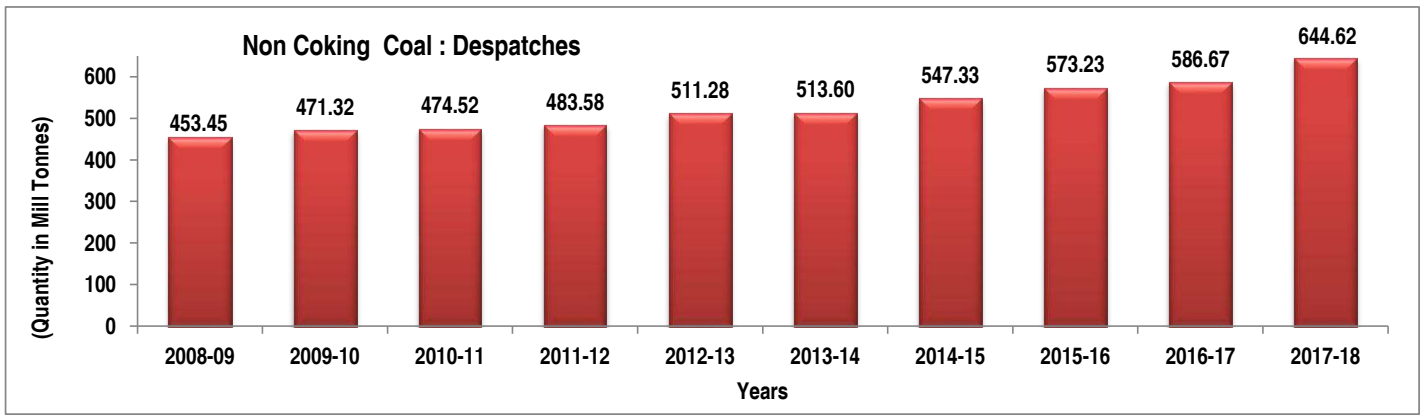
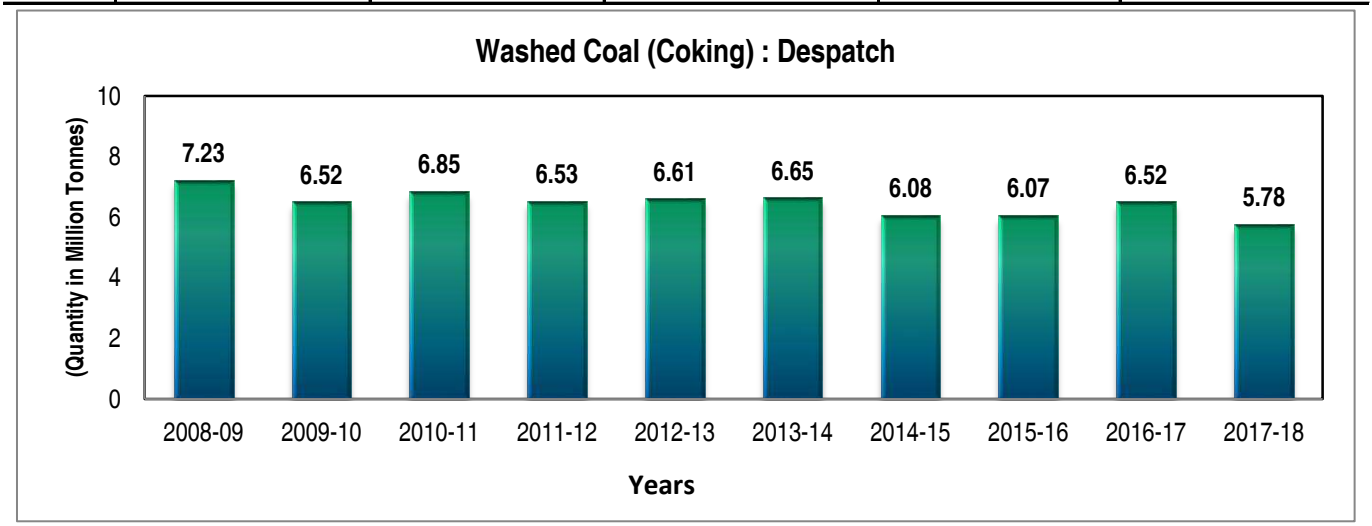
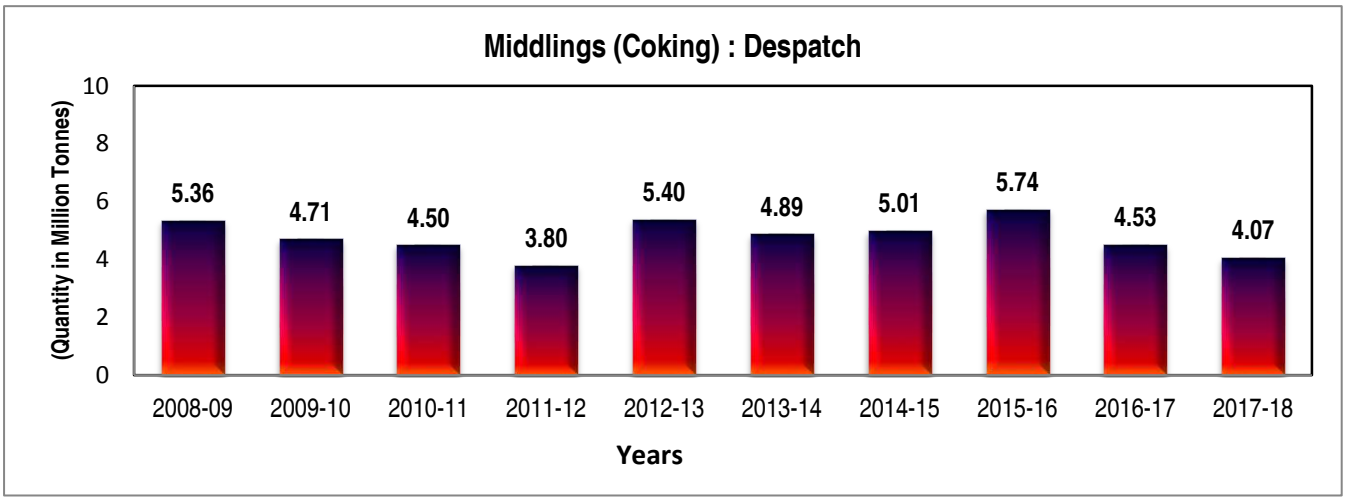


TABLE 4.3: TREND OF DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS

(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)
2008-09	7.226	0.28	13.445	4.87	5.361	-17.98	4.018	62.94	12.465	-2.42
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





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)
2015-16												
April - June	14.283	-5.6	24.1	137.990	4.4	24.1	152.273	3.2	24.1	11.675	-12.1	27.7
July - Sept.	13.925	4.6	23.5	131.452	5.9	22.9	145.377	5.5	23.0	9.681	-6.6	22.9
Oct. - Dec.	14.876	11.1	25.1	149.274	6.5	26.0	164.150	6.4	26.0	9.031	-13.3	21.4
Jan. - Mar.	16.129	8.7	27.2	154.513	3.6	27.0	170.642	4.0	27.0	11.824	-8.4	28.0
TOTAL	**59.213**	**1.3**	**100.0**	**573.229**	**11.6**	**100.0**	**632.442**	**10.6**	**100.0**	**42.211**	**-3.8**	**100.0**
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**

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.

Contd....

TABLE 4.4 : 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 %
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
2015-16															
April - June	1.434	-2.8	23.6	3.930	-1.0	22.4	1.024	-6.0	17.9	0	-	-	3.499	5.6	25.6
July - Sept.	1.500	2.2	24.7	3.845	-7.4	21.9	1.571	30.2	27.4	0	-	-	3.429	-4.7	25.1
Oct. - Dec.	1.588	0.1	26.2	4.658	6.1	26.6	1.550	20.6	27.0	0	-	-	3.458	2.0	25.3
Jan. - Mar.	1.546	-0.3	25.5	5.111	13.9	29.1	1.590	11.1	27.7	0	-	-	3.287	-10.0	24.0
TOTAL	**6.068**	**-8.7**	**100.0**	**17.544**	**13.5**	**100.0**	**5.735**	**17.2**	**100.0**	**0**	-	-	**13.673**	**7.6**	**100.0**
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**

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 4.5: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL, LIGNITE AND COAL PRODUCTS IN 2017-18
(Quantity in Million Tonnes)

Month	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)
Apr-17	4.322	-3.4	9.52	49.167	5.8	7.63	53.489	5.0	7.75	4.368	13.3	9.43
May-17	4.408	-4.3	9.71	51.231	3.4	7.95	55.639	2.8	8.06	4.323	10.1	9.33
Jun-17	3.565	-23.2	7.86	51.047	5.0	7.92	54.612	2.5	7.91	3.598	5.5	7.77
1st Quarter	**12.295**	**-10.4**	**27.09**	**151.445**	**4.7**	**23.49**	**163.740**	**3.4**	**23.73**	**12.289**	**9.8**	**26.53**
Jul-17	3.348	-29.4	7.38	49.320	12.9	7.65	52.668	8.8	7.63	2.996	-3.6	6.47
Aug-17	3.413	-22.0	7.52	48.702	22.9	7.56	52.115	18.4	7.55	3.232	13.1	6.98
Sep-17	3.377	-17.8	7.44	48.477	20.1	7.52	51.854	16.6	7.52	3.384	10.9	7.31
2nd Quarter	**10.138**	**-23.4**	**22.34**	**146.499**	**18.5**	**22.73**	**156.637**	**14.4**	**22.70**	**9.612**	**6.6**	**20.75**
Oct-17	3.646	-22.3	8.03	53.324	14.7	8.27	56.970	11.3	8.26	3.722	10.9	8.04
Nov-17	3.653	-30.1	8.05	56.756	8.8	8.80	60.409	5.2	8.75	3.907	12.1	8.44
Dec-17	3.977	-28.7	8.76	59.512	6.3	9.23	63.489	3.2	9.20	4.249	13.3	9.17
3rd Quarter	**11.276**	**-27.2**	**24.85**	**169.592**	**9.7**	**26.31**	**180.868**	**6.3**	**26.21**	**11.878**	**12.2**	**25.65**
Jan-18	3.900	-34.2	8.59	60.053	9.5	9.32	63.953	5.2	9.27	4.730	11.3	10.21
Feb-18	3.549	-31.1	7.82	55.550	7.0	8.62	59.099	3.6	8.57	4.174	7.9	9.01
Mar-18	4.222	-27.0	9.30	61.484	7.9	9.54	65.706	4.7	9.52	3.634	-14.2	7.85
4th Quarter	**11.671**	**-30.8**	**25.72**	**177.087**	**8.2**	**27.47**	**188.758**	**4.5**	**27.36**	**12.538**	**1.5**	**27.07**
Yr. 2017-18	**45.380**	**-23.5**	**100.00**	**644.623**	**9.9**	**100.00**	**690.003**	**6.8**	**100.00**	**46.317**	**7.3**	**100.00**

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

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

Contd....

TABLE 4.5: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL, LIGNITE AND COAL PRODUCTS IN 2017-18

(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 %
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
Apr-17	0.437	-8.4	7.56	1.198	-31.2	8.11	0.348	-13.6	8.55	0	-	-	0.950	-6.3	7.65
May-17	0.514	11.5	8.90	1.135	-35.9	7.69	0.350	5.7	8.60	0	-	-	0.956	-9.8	7.70
Jun-17	0.455	-2.8	7.87	1.323	-32.3	8.96	0.386	-9.0	9.48	0	-	-	0.990	-4.3	7.97
1st Quarter	**1.406**	**0.0**	**24.33**	**3.656**	**-33.1**	**24.76**	**1.084**	**-6.4**	**26.63**	**0**	-	-	**2.896**	**-6.8**	**23.33**
Jul-17	0.439	-5.8	7.60	1.182	-22.1	8.01	0.350	-22.7	8.60	0	-	-	1.042	-0.7	8.39
Aug-17	0.458	-12.8	7.93	1.392	27.8	9.43	0.322	-13.0	7.91	0	-	-	1.066	1.6	8.59
Sep-17	0.471	-7.3	8.15	1.184	7.3	8.02	0.347	-16.8	8.52	0	-	-	1.048	4.0	8.44
2nd Quarter	**1.368**	**-8.7**	**23.68**	**3.758**	**1.3**	**25.46**	**1.019**	**-17.8**	**25.03**	**0**	-	-	**3.156**	**1.6**	**25.42**
Oct-17	0.399	-24.9	6.91	1.222	-18.6	8.28	0.305	-12.6	7.49	0	-	-	1.087	0.0	8.76
Nov-17	0.479	-16.4	8.29	1.210	-32.9	8.20	0.288	-26.7	7.07	0	-	-	1.029	0.1	8.29
Dec-17	0.484	-25.8	8.38	1.101	-33.2	7.46	0.307	-11.3	7.54	0	-	-	1.034	-3.4	8.33
3rd Quarter	**1.362**	**-22.4**	**23.57**	**3.533**	**-28.7**	**23.93**	**0.900**	**-17.3**	**22.11**	**0**	-	-	**3.150**	**-1.1**	**25.37**
Jan-18	0.553	-8.1	9.57	1.289	-26.4	8.73	0.294	-7.0	7.22	0	-	-	1.040	-6.1	8.38
Feb-18	0.529	-10.9	9.16	1.215	-29.0	8.23	0.331	3.8	8.13	0	-	-	1.005	4.0	8.10
Mar-18	0.560	-14.9	9.69	1.312	-34.0	8.89	0.443	9.7	10.88	0	-	-	1.167	7.9	9.40
4th Quarter	**1.642**	**-11.4**	**28.42**	**3.816**	**-30.0**	**25.85**	**1.068**	**2.8**	**26.23**	**0**	-	-	**3.212**	**1.8**	**25.87**
Yr. 2017-18	**5.778**	**-11.3**	**100.00**	**14.763**	**-24.6**	**100.00**	**4.071**	**-10.0**	**100.00**	**0**	-	-	**12.414**	**-1.1**	**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 4.6 : 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)
2008-09	0.129	0.03	69.74	0.835	0.17	-30.42	103.022	21.06	13.47
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

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)
2008-09	0.012	0.00	-25.00	95.414	19.51	7.33	72.042	14.73	5.41
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

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)
2008-09	39.238	8.02	4.95	5.489	1.12	-19.17	93.316	19.08	9.59
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

Contd....

TABLE 4.6 : 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)
2008-09	44.410	9.08	6.26	12.448	2.54	10.98	22.817	4.66	2.99
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	29.95	4.34	10.54

Year	All India	
	Quantity	**Growth(%)**
(41)	(42)	(43)
2007-08	**453.567**	**8.04**
2008-09	**489.172**	**7.85**
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**

TABLE 4.7 : SHARE OF LIGNITE DESPATCHES BY STATES DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	State: Tamilnadu			State: Gujarat		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2008-09	20.748	65.26	-6.79	10.046	31.60	-14.81
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

Year	State: Rajasthan			**ALL INDIA**	
	Quantity	Share (%)	Growth (%)	**Quantity**	**Growth (%)**
(8)	(9)	(10)	(11)	(12)	(13)
2008-09	0.999	3.14	64.85	**31.793**	**-8.26**
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**

TABLE 4.8 : TRENDS OF COMPANY WISE DESPATCHES OF COAL & LIGNITE DURING LAST THREE YEARS

(Quantity in Million Tonnes)

Company	2015-16			2016-17			2017-18		
	Coking	**N-Coking**	**Total**	Coking	N-Coking	**Total**	Coking	N-Coking	**Total**
(1)	(2)	(3)	**(4)**	(5)	(6)	**(7)**	(8)	(9)	**(10)**
ECL	0.017	38.362	**38.379**	0.029	42.779	**42.808**	0.039	43.395	**43.434**
BCCL	32.914	3.250	**36.164**	31.080	3.733	**34.813**	24.165	9.138	**33.303**
CCL	18.799	40.783	**59.582**	21.038	39.895	**60.933**	13.966	53.543	**67.509**
NCL	0.000	78.362	**78.362**	0.000	83.491	**83.491**		96.772	**96.772**
WCL	0.200	42.106	**42.306**	0.115	39.377	**39.492**	0.279	48.464	**48.743**
SECL	0.108	136.474	**136.582**	0.015	133.527	**133.542**	0.303	145.435	**145.738**
SECL(GP-IV/2&3)		2.152	**2.152**		3.464	**3.464**		4.053	**4.053**
SECL(GP-1)			**0.000**		0.654	**0.654**		1.301	**1.301**
MCL		140.214	**140.214**		143.007	**143.007**		138.262	**138.262**
NEC		0.342	**0.342**		0.777	**0.777**		0.895	**0.895**
CIL	**52.038**	**482.045**	**534.083**	**52.277**	**490.704**	**542.981**	**38.752**	**541.258**	**580.010**
SCCL		58.687	**58.687**		60.791	**60.791**		64.623	**64.623**
JKML		0.012	**0.012**		0.011	**0.011**		0.021	**0.021**
JSMDCL		0.197	**0.197**		0.297	**0.297**		0.351	**0.351**
DVC	0.392		**0.392**	0.180		**0.180**			**0.000**
IISCO	0.558	0.167	**0.725**	0.540	0.231	**0.771**	0.415	0.374	**0.789**
SAIL			**0.000**			**0.000**			**0.000**
RRVUNL		6.210	**6.210**		8.267	**8.267**		8.329	**8.329**
NTPC					0.100	**0.100**		2.583	**2.583**
Total Public	**52.988**	**547.318**	**600.306**	**52.997**	**560.401**	**613.398**	**39.167**	**617.539**	**656.706**
TSL	6.225	0.008	**6.233**	6.311	0.000	**6.311**	6.213	0.000	**6.213**
MEGHALAYA		3.712	**3.712**		2.308	**2.308**		1.529	**1.529**
HIL		0.012	**0.012**		1.765	**1.765**		2.247	**2.247**
SPL		16.842	**16.842**		17.101	**17.101**		17.961	**17.961**
SIL		0.163	**0.163**		0.156	**0.156**		0.262	**0.262**
CESC		1.874	**1.874**		1.620	**1.620**		1.764	**1.764**
GMR		0.425	**0.425**		0.280	**0.280**		0.276	**0.276**
BALCO		0.079	**0.079**		0.221	**0.221**		0.000	**0.000**
JPVL		2.796	**2.796**		2.803	**2.803**		2.800	**2.800**
RCCPL					0.015	**0.015**		0.072	**0.072**
TUML						**0.000**		0.173	**0.173**
Total Private	**6.225**	**25.911**	**32.136**	**6.311**	**26.269**	**32.580**	**6.213**	**27.084**	**33.297**
ALL INDIA	**59.213**	**573.229**	**632.442**	**59.308**	**586.670**	**645.978**	**45.380**	**644.623**	**690.003**
LIGNITE :									
NLC			**23.717**			**25.578**			**24.982**
GMDCL			**6.968**			**7.652**			**10.601**
GIPCL			**3.063**			**2.816**			**3.123**
RSMML			**0.972**			**0.549**			**1.019**
GHCL			**0.104**			**0.077**			**0.055**
VSLPPL			**0.824**			**0.476**			**0.426**
BLMCL			**6.563**			**6.007**			**6.111**
ALL INDIA			**42.211**			**43.155**			**46.317**
COAL & LIGNITE			**674.653**			**689.133**			**736.320**

TABLE 4.9 : DESPATCHES OF RAW COAL AND COAL PRODUCTS (Washed Coal and Middlings) BY COMPANIES IN 2017-18

(Quantity in Million Tonnes)

Company	Raw Coal		Washed Coal		Middlings	
	Despatches	Offtake	Despatches	Offtake	Despatches	Offtake
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ECL	43.434	43.629				
BCCL	33.303	33.327	0.803	0.803	0.689	0.689
CCL	67.509	67.510	8.058	8.058	1.335	1.335
NCL	96.772	96.772				
WCL	48.743	48.748				
SECL	145.738	145.752				
SECL(GP-IV/2&3)	4.053	4.053				
SECL(GP-1)	1.301	1.301				
MCL	138.262	138.266				
NEC	0.895	0.895				
CIL	**580.010**	**580.253**	**8.861**	**8.861**	**2.024**	**2.024**
SCCL	64.623	64.623				
JKML	0.021	0.021				
JSMDCL	0.351	0.351				
DVC	0.000	0.000				
IISCO	0.789	0.789	0.664	0.664	0.711	0.711
SAIL	0.000	0.000				
RRVUNL	8.329	8.329	7.052	7.052		
NTPC	2.583	2.583				
PUBLIC	**656.706**	**656.949**	**16.577**	**16.577**	**2.735**	**2.735**
TSL	6.213	6.213	3.166	3.166	1.336	1.336
MEGHALAYA	1.529	1.529				
HIL	2.247	2.247				
SPL	17.961	17.961				
SIL	0.262	0.262				
CESC	1.764	1.764	0.798	0.798		
GMR	0.276	0.276				
BALCO	0.000	0.000				
JPVL	2.800	2.800				
RCCPL	0.072	0.072				
TUML	0.173	0.173				
PRIVATE	**33.297**	**33.297**	**3.964**	**3.964**	**1.336**	**1.336**
ALL INDIA	**690.003**	**690.246**	**20.541**	**20.541**	**4.071**	**4.071**

Table 4.10 : COMPANYWISE DESPATCHES OF COAL PRODUCTS (Coke, Coal gas ,Coke Fines) DURING LAST THREE YEARS

(Quantity in Thousand Tonnes)

YEAR	Companies	Hard Coke	CIL Coke	Coke Fines	Coal gas (Unit: NM3)	Coal Fines
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2015-16	BCCL					
	CCL					
	WCL					
	DCC		3	2	20	8
	SAIL	8494				
	RINL	2480				
	TSL	2699				
	TOTAL	**13954**	**3**	**2**	**20**	**8**
2016-17	BCCL					
	CCL					
	WCL					
	DCC		1	1	11	21
	SAIL	7401				
	RINL	2559				
	TSL	2594				
	TOTAL	**12554**	**1**	**1**	**11**	**21**
2017-18	BCCL					
	CCL					
	WCL					
	DCC		1	0	1	141
	SAIL	7326				
	RINL	2559				
	TSL	2529				
	TOTAL	**12414**	**1**	**0**	**1**	**141**

TABLE 4.11: STATEWISE AND COMPANYWISE DESPATCHES OF RAW COAL BY TYPE IN LAST THREE YEARS

(Quantity in Million Tonnes)

States	Company	2015-16			2016-17			2017-18		
		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**		0.342	**0.342**		0.777	**0.777**		0.895	**0.895**
Chhattisgarh	SECL	0.108	123.479	**123.587**	0.015	120.882	**120.897**	0.303	130.991	**131.294**
Chhattisgarh	SECL(GP-IV/2&3)		2.152	**2.152**		3.464	**3.464**		4.053	**4.053**
Chhattisgarh	SECL(GP-1)			**0.000**		0.654	**0.654**		1.301	**1.301**
Chhattisgarh	RRVUNL		6.210	**6.210**		8.267	**8.267**		8.329	**8.329**
Chhattisgarh	HIL_GP_IV/4		0.012	**0.012**		0.859	**0.859**		0.934	**0.934**
Chhattisgarh	HIL_GP_IV/5					0.906	**0.906**		0.745	**0.745**
Chhattisgarh	BALCO		0.079	**0.079**		0.221	**0.221**		0.000	**0.000**
Chhattisgarh	**TOTAL**	**0.108**	**131.932**	**132.040**	**0.015**	**135.253**	**135.268**	**0.303**	**146.353**	**146.656**
Jammu & Kashmir	**JKML**		0.012	**0.012**		0.011	**0.011**		0.021	**0.021**
Jharkhand	ECL	0.017	17.450	**17.467**	0.026	19.504	**19.530**	0.037	17.387	**17.424**
Jharkhand	BCCL	30.908	2.721	**33.629**	29.383	3.439	**32.822**	22.875	8.625	**31.500**
Jharkhand	CCL	18.799	40.783	**59.582**	21.038	39.895	**60.933**	13.966	53.543	**67.509**
Jharkhand	JSMDCL		0.197	**0.197**		0.297	**0.297**		0.351	**0.351**
Jharkhand	DVC	0.392		**0.392**	0.180		**0.180**	0.000		**0.000**
Jharkhand	IISCO	0.558	0.014	**0.572**	0.540	0.026	**0.566**	0.415	0.001	**0.416**
Jharkhand	SAIL			**0.000**			**0.000**			**0.000**
Jharkhand	NTPC					0.100	**0.100**		2.583	**2.583**
Jharkhand	TSL	6.225	0.008	**6.233**	6.311		**6.311**	6.213		**6.213**
Jharkhand	HIL_KOC								0.568	**0.568**
Jharkhand	**TOTAL**	**56.899**	**61.173**	**118.072**	**57.478**	**63.261**	**120.739**	**43.506**	**83.058**	**126.564**
Madhya Pradesh	NCL		46.547	**46.547**		50.485	**50.485**		79.545	**79.545**
Madhya Pradesh	WCL	0.200	5.825	**6.025**	0.115	4.579	**4.694**	0.279	4.829	**5.108**
Madhya Pradesh	SECL		12.995	**12.995**		12.645	**12.645**		14.444	**14.444**
Madhya Pradesh	SPL		16.842	**16.842**		17.101	**17.101**		17.961	**17.961**
Madhya Pradesh	JPVL		2.796	**2.796**		2.803	**2.803**		2.800	**2.800**
Madhya Pradesh	RCCPL					0.015	**0.015**		0.072	**0.072**
Madhya Pradesh	**TOTAL**	**0.200**	**85.005**	**85.205**	**0.115**	**87.628**	**87.743**	**0.279**	**119.651**	**119.930**
Maharashtra	WCL		36.281	**36.281**		34.798	**34.798**		43.635	**43.635**
Maharashtra	SIL		0.163	**0.163**		0.156	**0.156**		0.262	**0.262**
Maharashtra	TUML								0.173	**0.173**
Maharashtra	**TOTAL**	**0.000**	**36.444**	**36.444**	**0.000**	**34.954**	**34.954**	**0.000**	**44.070**	**44.070**
Meghalaya	MEGHALAYA		3.712	**3.712**		2.308	**2.308**		1.529	**1.529**
Odisha	MCL		140.214	**140.214**		143.007	**143.007**		138.262	**138.262**
Odisha	GMR		0.425	**0.425**		0.280	**0.280**		0.276	**0.276**
Odisha	**TOTAL**		**140.639**	**140.639**		**143.287**	**143.287**		**138.538**	**138.538**
Telangana	**SCCL**		58.687	**58.687**		60.791	**60.791**		64.623	**64.623**
Uttar Pradesh	NCL		31.815	**31.815**		33.006	**33.006**		17.227	**17.227**
West Bengal	ECL		20.912	**20.912**	0.003	23.275	**23.278**	0.002	26.008	**26.010**
West Bengal	BCCL	2.006	0.529	**2.535**	1.697	0.294	**1.991**	1.290	0.513	**1.803**
West Bengal	IISCO		0.153	**0.153**		0.205	**0.205**		0.373	**0.373**
West Bengal	CESC		1.874	**1.874**		1.620	**1.620**		1.764	**1.764**
West Bengal	**TOTAL**	**2.006**	**23.468**	**25.474**	**1.700**	**25.394**	**27.094**	**1.292**	**28.658**	**29.950**
Total Public		**52.988**	**547.318**	**600.306**	**52.997**	**560.401**	**613.398**	**39.167**	**617.539**	**656.706**
Total Private		**6.225**	**25.911**	**32.136**	**6.311**	**26.269**	**32.580**	**6.213**	**27.084**	**33.297**
All India		**59.213**	**573.229**	**632.442**	**59.308**	**586.670**	**645.978**	**45.380**	**644.623**	**690.003**

TABLE 4.12: GRADEWISE DESPATCHES OF COKING COAL BY COMPANIES DURING 2017-18

(Quantity in Million Tonnes)

Companies	DESPATCHES OF COKING COAL											
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	Mg Feed	SLV1	Met.Coal	Non Met	**Total Coking**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	**(13)**
ECL			0.002			0.037				0.002	0.037	**0.039**
BCCL	0.052	0.095		0.052	2.748	2.907	18.311			24.165	0.000	**24.165**
CCL		0.000			0.126	0.700	10.015	3.125		3.125	10.841	**13.966**
NCL												**0.000**
WCL							0.279			0.279	0.000	**0.279**
SECL			0.303								0.303	**0.303**
SECL (GP-IV/2&3)												**0.000**
SECL(GP-1)												**0.000**
MCL												**0.000**
NEC												**0.000**
CIL	**0.052**	**0.095**	**0.305**	**0.052**	**2.874**	**3.644**	**28.605**	**3.125**	**0.000**	**27.571**	**11.181**	**38.752**
SCCL												**0.000**
JKML												**0.000**
JSMDCL												**0.000**
DVC											0.000	**0.000**
IISCO						0.093	0.322			0.415	0.000	**0.415**
SAIL												**0.000**
RRVUNL												**0.000**
NTPC												**0.000**
Total Public	**0.052**	**0.095**	**0.305**	**0.052**	**2.874**	**3.737**	**28.927**	**3.125**	**0.000**	**27.986**	**11.181**	**39.167**
TSL					0.195	0.395	5.623			6.213	0.000	**6.213**
Meghalaya												**0.000**
SIL												**0.000**
HIL												**0.000**
SPL												**0.000**
GMR												**0.000**
BALCO												**0.000**
JPVL												**0.000**
RCCPL												**0.000**
CESC												**0.000**
TUML												**0.000**
Total Private	**0.000**	**0.000**	**0.000**	**0.000**	**0.195**	**0.395**	**5.623**	**0.000**	**0.000**	**6.213**	**0.000**	**6.213**
ALL INDIA	**0.052**	**0.095**	**0.305**	**0.052**	**3.069**	**4.132**	**34.550**	**3.125**	**0.000**	**34.199**	**11.181**	**45.380**

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

TABLE 4.12A: GRADEWISE DESPATCHES OF NON COKING COAL BY COMPANIES DURING 2017-18

(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	Mg feed	Ungr		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
ECL		1.140	12.877	9.267	1.530	2.543	1.352	0.432					14.254							**43.395**	**43.434**
BCCL			0.358	0.000	0.035	0.974	0.835	3.978	2.559	0.399	0.000									**9.138**	**33.303**
CCL			0.000	0.309	0.861	0.313	0.673	3.682	4.495	13.190	13.527	5.047	4.374	0.789				6.283		**53.543**	**67.509**
NCL				0.000	0.447	0.000	24.615	14.870	4.645	34.839	15.221	1.696						0.439		**96.772**	**96.772**
WCL						0.293	0.201	2.603	7.999	16.021	18.346	2.747	0.254							**48.464**	**48.743**
SECL			1.995	0.425	4.332	7.062	7.652	4.284	1.988	9.841	94.115	2.273	3.269	3.902	3.992	0.305				**145.435**	**145.738**
SECL (GP-IV/2&3)												0.188		0.427		3.438				**4.053**	**4.053**
SECL(GP-1)												0.011			0.240		1.050			**1.301**	**1.301**
MCL					0.000		0.080	0.118	0.286	0.488	0.065	45.323	57.490	34.412						**138.262**	**138.262**
NEC	0.224	0.335	0.181	0.154	0.001															**0.895**	**0.895**
CIL	**0.224**	**1.475**	**15.411**	**10.155**	**7.206**	**11.185**	**35.408**	**29.967**	**21.972**	**74.778**	**141.274**	**57.285**	**79.641**	**39.530**	**4.232**	**3.743**	**1.050**	**6.722**	**0.000**	**541.258**	**580.010**
SCCL					0.720		3.028	7.610	6.496	17.264	10.024	0.115	13.953		3.180		0.333		1.900	**64.623**	**64.623**
JKML																	0.021			**0.021**	**0.021**
JSMDCL												0.351								**0.351**	**0.351**
DVC																				**0.000**	**0.000**
IISCO				0.192		0.181													0.001	**0.374**	**0.789**
SAIL																				**0.000**	**0.000**
RRVUNL											8.329									**8.329**	**8.329**
NTPC									2.583											**2.583**	**2.583**
Total Public	**0.224**	**1.475**	**15.411**	**10.347**	**7.926**	**11.366**	**38.436**	**37.577**	**31.051**	**92.042**	**159.627**	**57.751**	**93.594**	**39.530**	**7.412**	**3.743**	**1.404**	**6.722**	**1.901**	**617.539**	**656.706**
TSL																				**0.000**	**6.213**
Meghalaya	1.529																			**1.529**	**1.529**
SIL								0.262												**0.262**	**0.262**
HIL							1.090	0.024		0.024	0.554	0.469	0.086							**2.247**	**2.247**
SPL										17.961										**17.961**	**17.961**
GMR													0.005	0.271						**0.276**	**0.276**
BALCO																				**0.000**	**0.000**
JPVL											2.800									**2.800**	**2.800**
RCCPL								0.072												**0.072**	**0.072**
CESC											1.764									**1.764**	**1.764**
TUML												0.173								**0.173**	**0.173**
Total Private	**1.529**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.090**	**0.358**	**0.000**	**17.985**	**5.118**	**0.642**	**0.091**	**0.271**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**27.084**	**33.297**
ALL INDIA	**1.753**	**1.475**	**15.411**	**10.347**	**7.926**	**11.366**	**39.526**	**37.935**	**31.051**	**110.027**	**164.745**	**58.393**	**93.685**	**39.801**	**7.412**	**3.743**	**0.320**	**9.304**	**1.901**	**644.623**	**690.003**

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

TABLE 4.13: GRADEWISE DESPATCHES OF COKING COAL AND NON-COKING COAL BY STATES IN 2017-18

(Quantity in Million Tonnes)

Grade	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Madhya Pradesh	Maharashtra	Meghalaya	Odisha	Telangana	Uttar Pradesh	West Bengal	**All India**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Steel-I				0.052								**0.052**
Steel-II				0.095								**0.095**
SC-I		0.303									0.002	**0.305**
Wash-I				0.052								**0.052**
Wash-II				2.465	0.000						0.603	**3.068**
Wash-III				3.446							0.687	**4.133**
Wash-IV				34.271	0.279							**34.550**
Mg Feed				3.125								**3.125**
SLV1												**0.000**
Met.Coal				**32.628**	**0.279**						**1.292**	**34.199**
Non Met	**0.000**	**0.000**	**0.000**	**10.878**	**0.074**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**11.181**
Tot Ckg.	**0.000**	**0.303**	**0.000**	**43.506**	**0.279**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.292**	**45.380**
G1	0.224						1.529					**1.753**
G2	0.335										1.140	**1.475**
G3	0.181	1.809		0.744	0.186						12.491	**15.411**
G4	0.154	0.221		0.309	0.204						9.459	**10.347**
G5	0.001	2.239		1.810	2.504				0.720	0.036	0.616	**7.926**
G6		2.207		2.045	4.946	0.202					1.966	**11.366**
G7		5.957		2.206	27.024	0.009		0.080	3.028		1.222	**39.526**
G8		1.828		8.092	12.409	1.611		0.118	7.610	6.267		**37.935**
G9		0.929		9.637	2.434	6.624		0.286	6.496	4.645		**31.051**
G10		8.623		13.589	49.126	15.097		0.488	17.264	5.840		**110.027**
G11		102.998		13.527	18.527	17.840		0.065	10.024		1.764	**164.745**
G12		2.909		5.398	1.967	2.681		45.323	0.115			**58.393**
G13		3.355		18.628	0.248	0.006		57.495	13.953			**93.685**
G14		4.329		0.789				34.683	0.000			**39.801**
G15		4.156			0.076				3.180			**7.412**
G16		3.743										**3.743**
G17		1.050	0.021						0.333			**1.404**
Ungr				0.001					1.900	0.439		**2.340**
Mg Feed				6.283								**6.283**
Tot. Nckg	**0.895**	**146.353**	**0.021**	**83.058**	**119.651**	**44.070**	**1.529**	**138.538**	**64.623**	**17.227**	**28.658**	**644.623**
Total Coal	**0.895**	**146.656**	**0.021**	**126.564**	**119.930**	**44.070**	**1.529**	**138.538**	**64.623**	**17.227**	**29.950**	**690.003**

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 4.14: GRADEWISE DESPATCHES OF COKING COAL AND NON COKING COAL IN INDIA DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Type	Grade	2008-09	2009-10	2010-11	2011-12	New Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)	(10)	(11)	(12)
COKING COAL	Steel-I	0.064	0.091	0.224	0.092	Steel-I	0.075	0.071	0.052	0.029	0.014	0.052
	Steel-II	0.871	1.057	1.226	1.271	Steel-II	1.671	0.898	0.327	1.035	0.969	0.095
	SC-1	0.171	0.158	0.170	0.204	SC-1	0.166	0.130	0.132	0.108	0.018	0.305
	Wash-I	0.309	0.291	0.193	0.185	Wash-I	0.297	0.190	0.102	0.198	0.166	0.052
	Wash-II	2.551	1.756	1.601	1.816	Wash-II	1.812	1.921	1.693	2.016	2.221	3.068
	Wash-III	7.841	9.114	10.432	13.730	Wash-III	13.335	13.582	12.177	13.155	11.504	4.133
	Wash-IV	23.865	30.000	35.081	34.425	Wash-IV	38.500	41.563	41.955	38.860	41.106	34.550
	Mg Feed					Mg Feed				3.812	3.310	3.125
	SLV1	0.052	0.002	0.023	0.000	SLV1	0.003	0.109			0.000	0.000
	Met.Coal	15.061	15.144	16.075	15.903	Met.Coal	14.730	15.236	13.494	13.866	14.039	34.199
	Non Met	20.663	27.325	32.875	35.820	Non Met	41.129	43.228	42.944	45.347	45.269	11.181
	Total Coking	**35.724**	**42.469**	**48.950**	**51.723**		**55.859**	**58.464**	**56.438**	**59.213**	**59.308**	**45.380**
NON - COKING COAL	A	4.023	10.266	11.772	14.678	G1	5.864	6.130	2.772	3.766	2.425	1.753
	B	26.024	27.689	25.648	60.175	G2	0.522	0.264	0.621	0.323	0.396	1.475
	C	46.101	53.242	54.760	28.050	G3	4.985	4.747	4.698	4.252	4.519	15.411
	D	53.338	52.679	49.524	51.887	G4	19.14	21.944	19.647	18.299	17.788	10.347
	E	117.612	118.933	117.677	106.834	G5	17.431	16.537	16.296	15.457	15.731	7.926
	F	191.143	205.325	207.576	197.845	G6	20.787	16.314	20.186	11.348	12.463	11.366
	SLV	8.833	2.712			G7	35.934	36.620	38.705	39.978	15.460	39.526
	G	0.437		6.075	13.386	G8	27.198	31.275	29.283	27.671	31.952	37.935
						G9	71.963	54.287	50.547	49.721	45.890	31.051
						G10	64.307	64.193	76.369	90.982	92.730	110.027
						G11	110.285	119.125	137.861	139.256	137.036	164.745
						G12	57.847	76.740	82.302	95.594	98.041	58.393
						G13	62.881	50.900	55.655	69.746	92.405	93.685
						G14	3.079	4.112	4.205	2.818	3.901	39.801
						G15	3.177	3.359	3.446	2.837	3.128	7.412
						G16	1.476	2.480	1.579	0.000	2.642	3.743
						G17	4.401	4.523	3.141	0.643	0.320	1.404
	Ungr	5.937	0.477	1.483	10.721	Ungr		0.046	0.021	0.538	0.539	2.340
						Mg Feed					9.304	6.283
	Total Non Coking	**453.448**	**471.323**	**474.515**	**483.576**		**511.277**	**513.596**	**547.334**	**573.229**	**586.670**	**644.623**
TOTAL COAL		**489.172**	**513.792**	**523.465**	**535.299**		**567.136**	**572.060**	**603.772**	**632.442**	**645.978**	**690.003**

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 4.15: MODEWISE COMPANYWISE DESPATCHES OF COAL (External & Internal) /COAL PRODUCTS (Washed Coal & Middlings) in 2017-18

(Quantity in Million Tonnes)

Company	Raw Coal/ Coal Product	YEAR 2017-18 (External)							YEAR 2017-18 (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	30.429	1.814			11.191		43.434							0.000	43.434
BCCL	RC	23.856	7.966					31.822	0.574	0.907					1.481	33.303
BCCL	CP	1.492						1.492							0.000	1.492
CCL	RC	32.740	25.361					58.101		9.408					9.408	67.509
CCL	CP	9.351	0.042					9.393							0.000	9.393
NCL	RC	30.985	14.274	3.157		45.317		93.733		3.039					3.039	96.772
WCL	RC	34.178	11.572	0.414	2.046	0.533		48.743							0.000	48.743
SECL	RC	51.554	60.623	6.446		24.888	2.227	145.738							0.000	145.738
SECL(GP-IV/2&3)	RC		4.053					4.053							0.000	4.053
SECL(GP-IV/1)	RC		1.301					1.301							0.000	1.301
MCL	RC	89.442	34.816	1.420		12.584		138.262							0.000	138.262
NEC	RC	0.688	0.207					0.895							0.000	0.895
CIL	**RC**	**293.872**	**161.987**	**11.437**	**2.046**	**94.513**	**2.227**	566.082	**0.574**	**13.354**	**0.000**	**0.000**	**0.000**	**0.000**	13.928	580.010
CIL	**CP**	**10.843**	**0.042**	**0.000**	**0.000**	**0.000**	**0.000**	10.885	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.000	10.885
SCCL	RC	39.047	16.857		0.424	8.133	0.162	64.623							0.000	64.623
JKML	RC		0.021					0.021							0.000	0.021
DVC	RC							0.000							0.000	0.000
IISCO	RC		0.374					0.374		0.196	0.126	0.093			0.415	0.789
IISCO	CP	1.374	0.001					1.375							0.000	1.375
SAIL	RC							0.000							0.000	0.000
JSMDCL	RC		0.351					0.351							0.000	0.351
RRVUNL	RC							0.000		8.329					8.329	8.329
RRVUNL	CP		7.052					7.052							0.000	7.052
NTPC	RC		2.583					2.583							0.000	2.583
PUBLIC	**RC**	**332.919**	**182.173**	**11.437**	**2.470**	**102.646**	**2.389**	634.034	**0.574**	**21.879**	**0.126**	**0.093**	**0.000**	**0.000**	22.672	656.706
PUBLIC	**CP**	**12.217**	**7.095**	**0.000**	**0.000**	**0.000**	**0.000**	19.312	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.000	19.312
TSL	RC							0.000		0.049	6.164				6.213	6.213
TSL	CP	4.502						4.502							0.000	4.502
MEG	RC		1.529					1.529							0.000	1.529
CESC	RC							0.000		1.764					1.764	1.764
CESC	CP		0.798					0.798							0.000	0.798
HIL	RC		2.247					2.247							0.000	2.247
SPL	RC		17.961					17.961							0.000	17.961
GMR	RC	0.276						0.276							0.000	0.276
BALCO	RC							0.000							0.000	0.000
SIL	RC	0.262						0.262							0.000	0.262
JPVL	RC	2.800						2.800							0.000	2.800
RCCPL	RC		0.072					0.072							0.000	0.072
TUML	RC		0.079					0.079		0.094					0.094	0.173
PRIVATE	**RC**	**3.338**	**21.888**	**0.000**	**0.000**	**0.000**	**0.000**	25.226	**0.000**	**1.907**	**6.164**	**0.000**	**0.000**	**0.000**	8.071	33.297
PRIVATE	**CP**	**4.502**	**0.798**	**0.000**	**0.000**	**0.000**	**0.000**	5.300	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.000	5.300
GRAND TOTAL	**RC**	**336.257**	**204.061**	**11.437**	**2.470**	**102.646**	**2.389**	659.260	**0.574**	**23.786**	**6.290**	**0.093**	**0.000**	**0.000**	30.743	690.003
GRAND TOTAL	**CP**	**16.719**	**7.893**	**0.000**	**0.000**	**0.000**	**0.000**	24.612	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.000	24.612

TABLE 4.16: COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS (INCLUDING WASHERIES) DURING 2017-18

(Quantity in Million Tonnes)

Company	Power (Utility)	Power (Captive)	Metallurgical Use			Non Coking Washery	Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic-Metal (Aluminium etc)	Chemical	Pulp & Paper	Textiles & Rayons	Bricks	Other	**Total Despatches**	Colliery Own - Consumption	Colliery Staff	**Total Offtake**
			Direct Feed	Coking Washery	Cokeries															
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	**(18)**	(19)	(20)	**(21)**
ECL	39.768	0.066	0.123					0.069		0.146		0.003	0.010	0.003	0.013	3.233	**43.434**	0.195		**43.629**
BCCL	27.409	0.108		0.745					0.864							4.177	**33.303**	0.024		**33.327**
CCL	42.224	1.238		3.125		6.283			0.148	0.470		0.004			0.001	14.016	**67.509**	0.001		**67.510**
NCL	85.766	5.604						0.049		0.142	0.268					4.943	**96.772**			**96.772**
WCL	38.850	1.173	0.139		0.011			1.878		0.413		0.066	0.490	0.096		5.627	**48.743**	0.005		**48.748**
SECL	112.794	8.775	0.303					2.693	0.819	3.579			0.168	0.019		16.588	**145.738**	0.014		**145.752**
SECL(GP-IV/2&3)																4.053	**4.053**			**4.053**
SECL(GP-IV/1)																1.301	**1.301**			**1.301**
MCL	99.274	22.534						0.186	0.052	3.294	0.323		0.047			12.552	**138.262**	0.004		**138.266**
NEC	0.588	0.029						0.083								0.195	**0.895**			**0.895**
CIL	**446.673**	**39.527**	**0.565**	**3.870**	**0.011**	**6.283**	**0.000**	**4.958**	**1.883**	**8.044**	**0.591**	**0.073**	**0.715**	**0.118**	**0.014**	**66.685**	**580.010**	**0.243**	**0.000**	**580.253**
SCCL	53.483	3.144						2.678		0.217	0.215	0.204	0.795	0.120		3.767	**64.623**			**64.623**
JKML																0.021	**0.021**			**0.021**
DVC																	**0.000**			**0.000**
IISCO				0.415			0.373									0.001	**0.789**			**0.789**
SAIL																	**0.000**			**0.000**
JSMDCL	0.250														0.101		**0.351**			**0.351**
RRVUNL						8.329											**8.329**			**8.329**
NTPC		2.583															**2.583**			**2.583**
PUBLIC	**500.406**	**45.254**	**0.565**	**4.285**	**0.011**	**14.612**	**0.373**	**7.636**	**1.883**	**8.261**	**0.806**	**0.277**	**1.510**	**0.238**	**0.115**	**70.474**	**656.706**	**0.243**	**0.000**	**656.949**
TSL			5.035	1.178													**6.213**			**6.213**
MEG																1.529	**1.529**			**1.529**
CESC	0.695					1.069											**1.764**			**1.764**
HIL		2.247															**2.247**			**2.247**
SPL		17.961															**17.961**			**17.961**
GMR		0.276															**0.276**			**0.276**
BALCO																	**0.000**			**0.000**
SIL		0.074								0.188							**0.262**			**0.262**
JPVL	2.800																**2.800**			**2.800**
RCCPL								0.072									**0.072**			**0.072**
TUML		0.094				0.079											**0.173**			**0.173**
PRIVATE	**3.495**	**20.652**	**5.035**	**1.178**	**0.000**	**1.148**	**0.000**	**0.072**	**0.000**	**0.188**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.529**	**33.297**	**0.000**	**0.000**	**33.297**
GRAND TOTAL	**503.901**	**65.906**	**5.600**	**5.463**	**0.011**	**15.760**	**0.373**	**7.708**	**1.883**	**8.449**	**0.806**	**0.277**	**1.510**	**0.238**	**0.115**	**72.003**	**690.003**	**0.243**	**0.000**	**690.246**

TABLE 4.17 : COMPANYWISE OFF-TAKE OF LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2017-18

(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		3.123															**3.123**			**3.123**
GMDCL		4.633						0.602	0.001	0.093		0.222	0.704	2.452	0.371	1.523	**10.601**			**10.601**
GHCL		0.055															**0.055**			**0.055**
NLCL	23.445	1.046					0.120	0.227					0.054		0.009	0.081	**24.982**			**24.982**
RSMML								0.262				0.001		0.005		0.751	**1.019**			**1.019**
VSLPPL		0.426															**0.426**			**0.426**
BLMCL		6.111															**6.111**			**6.111**
TOTAL	**23.445**	**15.394**	**0.000**	**0.000**	**0.000**	**0.000**	**0.120**	**1.091**	**0.001**	**0.093**	**0.000**	**0.223**	**0.758**	**2.457**	**0.380**	**2.355**	**46.317**	**0.000**	**0.000**	**46.317**
	50.62%	33.24%	0.00%	0.00%	0.00%	0.00%	0.26%	2.36%	0.00%	0.20%	0.00%	0.48%	1.64%	5.30%	0.82%	5.08%	######			

TABLE 4.18 : COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS DURING 2017-18

(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	39.768	0.066	0.123	0.000		0.069		0.146		0.003	0.010	0.003	0.013	3.233	**43.434**	0.195		**43.629**
BCCL	27.409	0.108		0.745			0.864							4.177	**33.303**	0.024		**33.327**
CCL	48.507	1.238		3.125			0.148	0.470		0.004			0.001	14.016	**67.509**	0.001		**67.510**
NCL	85.766	5.604		0.000		0.049		0.142	0.268					4.943	**96.772**			**96.772**
WCL	38.850	1.173	0.139	0.011		1.878		0.413		0.066	0.490	0.096		5.627	**48.743**	0.005		**48.748**
SECL	112.794	8.775	0.303	0.000		2.693	0.819	3.579			0.168	0.019		16.588	**145.738**	0.014		**145.752**
SECL(GP-IV/2&3)	0.000			0.000										4.053	**4.053**			**4.053**
SECL(GP-IV/1)	0.000			0.000										1.301	**1.301**			**1.301**
MCL	99.274	22.534		0.000		0.186	0.052	3.294	0.323		0.047			12.552	**138.262**	0.004		**138.266**
NEC	0.588	0.029		0.000		0.083								0.195	**0.895**			**0.895**
CIL	**452.956**	**39.527**	**0.565**	**3.881**	**0.000**	**4.958**	**1.883**	**8.044**	**0.591**	**0.073**	**0.715**	**0.118**	**0.014**	**66.685**	**580.010**	**0.243**	**0.000**	**580.253**
SCCL	53.483	3.144		0.000		2.678		0.217	0.215	0.204	0.795	0.120		3.767	**64.623**			**64.623**
JKML	0.000			0.000										0.021	**0.021**			**0.021**
DVC	0.000			0.000											**0.000**			**0.000**
IISCO	0.000			0.415	0.373									0.001	**0.789**			**0.789**
SAIL	0.000			0.000											**0.000**			**0.000**
JSMDCL	0.250			0.000									0.101		**0.351**			**0.351**
RRVUNL	8.329			0.000											**8.329**			**8.329**
NTPC	0.000	2.583		0.000											**2.583**			**2.583**
PUBLIC	**515.018**	**45.254**	**0.565**	**4.296**	**0.373**	**7.636**	**1.883**	**8.261**	**0.806**	**0.277**	**1.510**	**0.238**	**0.115**	**70.474**	**656.706**	**0.243**	**0.000**	**656.949**
TSL	0.000		5.035	1.178											**6.213**			**6.213**
MEG	0.000			0.000										1.529	**1.529**			**1.529**
CESC	1.764			0.000											**1.764**			**1.764**
HIL	0.000	2.247		0.000											**2.247**			**2.247**
SPL	0.000	17.961		0.000											**17.961**			**17.961**
GMR	0.000	0.276		0.000											**0.276**			**0.276**
BALCO	0.000			0.000											**0.000**			**0.000**
SIL	0.000	0.074		0.000				0.188							**0.262**			**0.262**
JPVL	2.800			0.000											**2.800**			**2.800**
RCCPL	0.000			0.000		0.072									**0.072**			**0.072**
TUML		0.094		0.000				0.079							**0.173**			**0.173**
PRIVATE	**4.564**	**20.652**	**5.035**	**1.178**	**0.000**	**0.072**	**0.000**	**0.267**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.529**	**33.297**	**0.000**	**0.000**	**33.297**
GRAND TOTAL	**519.582**	**65.906**	**5.600**	**5.474**	**0.373**	**7.708**	**1.883**	**8.528**	**0.806**	**0.277**	**1.510**	**0.238**	**0.115**	**72.003**	**690.003**	**0.243**	**0.000**	**690.246**

(ii) Power which is generated and used for commercial purpose in considered as Power(Utility).

(iii) Power which is generated and utilized/consumed for their own use in considered as under Power(Captive).

TABLE-4.19 : SECTORWISE OFFTAKE OF COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION - COMPANYWISE IN 2017-18

(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			0.002	0.000										0.037	**0.039**			**0.039**
ECL	**TOT**			**0.002**	**0.000**										**0.037**	**0.039**			**0.039**
BCCL	RCE	18.735	0.096		0.745			0.528							2.587	**22.691**			**22.691**
BCCL	WC			0.803	0.000											**0.803**			**0.803**
BCCL	MID	0.108	0.581		0.000											**0.689**			**0.689**
BCCL	**TOT**	**18.843**	**0.677**	**0.803**	**0.745**			**0.528**							**2.587**	**24.183**			**24.183**
CCL	RCE	8.173			0.000										2.668	**10.841**			**10.841**
CCL	WC				1.145											**1.145**			**1.145**
CCL	MID	0.554	0.781		0.000											**1.335**			**1.335**
CCL	**TOT**	**8.727**	**0.781**		**1.145**										**2.668**	**13.321**			**13.321**
WCL	RCE			0.139	0.011										0.129	**0.279**			**0.279**
WCL	**TOT**			**0.139**	**0.011**										**0.129**	**0.279**			**0.279**
SECL	RCE			0.303	0.000											**0.303**			**0.303**
SECL	**TOT**			**0.303**	**0.000**											**0.303**			**0.303**
CIL	**RCE**	**26.908**	**0.096**	**0.444**	**0.756**	**0.000**	**0.000**	**0.528**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.421**	**34.153**	**0.000**	**0.000**	**34.153**
CIL	**WC**	**0.000**	**0.000**	**0.803**	**1.145**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.948**	**0.000**	**0.000**	**1.948**
CIL	**MID**	**0.662**	**1.362**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.024**	**0.000**	**0.000**	**2.024**
CIL	**TOT**	**27.570**	**1.458**	**1.247**	**1.901**	**0.000**	**0.000**	**0.528**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.421**	**38.125**	**0.000**	**0.000**	**38.125**
IISCO	RCE				0.093											**0.093**			**0.093**
IISCO	WC				0.664											**0.664**			**0.664**
IISCO	MID				0.000	0.710									0.001	**0.711**			**0.711**
IISCO	**TOT**				**0.757**	**0.710**									**0.001**	**1.468**			**1.468**
Public	**RCE**	**26.908**	**0.096**	**0.444**	**0.849**	**0.000**	**0.000**	**0.528**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.421**	**34.246**	**0.000**	**0.000**	**34.246**
Public	**WC**	**0.000**	**0.000**	**0.803**	**1.809**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.612**	**0.000**	**0.000**	**2.612**
Public	**MID**	**0.662**	**1.362**	**0.000**	**0.000**	**0.710**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.001**	**2.735**	**0.000**	**0.000**	**2.735**
Public	**TOT**	**27.570**	**1.458**	**1.247**	**2.658**	**0.710**	**0.000**	**0.528**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.422**	**39.593**	**0.000**	**0.000**	**39.593**
TSL	WC				3.166											**3.166**			**3.166**
TSL	MID	0.961	0.367		0.008											**1.336**			**1.336**
TSL	**TOT**	**0.961**	**0.367**		**3.174**											**4.502**			**4.502**
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**	**3.166**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**3.166**	**0.000**	**0.000**	**3.166**
Private	**MID**	**0.961**	**0.367**	**0.000**	**0.008**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.336**	**0.000**	**0.000**	**1.336**
Private	**TOT**	**0.961**	**0.367**	**0.000**	**3.174**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.502**	**0.000**	**0.000**	**4.502**
Grand Total	**RCE**	**26.908**	**0.096**	**0.444**	**0.849**	**0.000**	**0.000**	**0.528**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.421**	**34.246**	**0.000**	**0.000**	**34.246**
Grand Total	**WC**	**0.000**	**0.000**	**0.803**	**4.975**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.778**	**0.000**	**0.000**	**5.778**
Grand Total	**MID**	**1.623**	**1.729**	**0.000**	**0.008**	**0.710**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.001**	**4.071**	**0.000**	**0.000**	**4.071**
Grand Total	**TOT**	**28.531**	**1.825**	**1.247**	**5.832**	**0.710**	**0.000**	**0.528**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.422**	**44.095**	**0.000**	**0.000**	**44.095**

TABLE-4.20: SECTORWISE OFFTAKE OF NON-COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION-COMPANYWISE IN 2017-18

(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	39.768	0.066	0.121			0.069		0.146		0.003	0.010	0.003	0.013	3.196	**43.395**	0.195		**43.590**
ECL	**TOT**	**39.768**	**0.066**	**0.121**	**0.000**	**0.000**	**0.069**	**0.000**	**0.146**	**0.000**	**0.003**	**0.010**	**0.003**	**0.013**	**3.196**	**43.395**	**0.195**	**0.000**	**43.590**
BCCL	RCE	8.674	0.012					0.336							0.109	**9.131**			**9.131**
BCCL	**TOT**	**8.674**	**0.012**	**0.000**	**0.000**	**0.000**	**0.000**	**0.336**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.109**	**9.131**	**0.000**	**0.000**	**9.131**
CCL	RCE	34.051	1.238					0.148	0.470		0.004			0.001	11.348	**47.260**			**47.260**
CCL	WC	6.811	0.102													**6.913**			**6.913**
CCL	**TOT**	**40.862**	**1.340**	**0.000**	**0.000**	**0.000**	**0.000**	**0.148**	**0.470**	**0.000**	**0.004**	**0.000**	**0.000**	**0.001**	**11.348**	**54.173**	**0.000**	**0.000**	**54.173**
NCL	RCE	85.766	5.604				0.049		0.142	0.268					4.943	**96.772**			**96.772**
NCL	**TOT**	**85.766**	**5.604**	**0.000**	**0.000**	**0.000**	**0.049**	**0.000**	**0.142**	**0.268**	**0.000**	**0.000**	**0.000**	**0.000**	**4.943**	**96.772**	**0.000**	**0.000**	**96.772**
WCL	RCE	38.850	1.173				1.878		0.413		0.066	0.490	0.096		5.498	**48.464**			**48.464**
WCL	**TOT**	**38.850**	**1.173**	**0.000**	**0.000**	**0.000**	**1.878**	**0.000**	**0.413**	**0.000**	**0.066**	**0.490**	**0.096**	**0.000**	**5.498**	**48.464**	**0.000**	**0.000**	**48.464**
SECL	RCE	112.794	8.775				2.693	0.819	3.579			0.168	0.019		16.588	**145.435**	0.014		**145.449**
SECL	**TOT**	**112.794**	**8.775**	**0.000**	**0.000**	**0.000**	**2.693**	**0.819**	**3.579**	**0.000**	**0.000**	**0.168**	**0.019**	**0.000**	**16.588**	**145.435**	**0.014**	**0.000**	**145.449**
SECL(GP-IV/2&3)	RCE														4.053	**4.053**			**4.053**
SECL(GP-IV/2&3)	**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**	**4.053**	**4.053**	**0.000**	**0.000**	**4.053**
SECL(GP-IV/1)	RCE														1.301	**1.301**			**1.301**
SECL(GP-IV/1)	**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**	**1.301**	**1.301**	**0.000**	**0.000**	**1.301**
MCL	RCE	99.274	22.534				0.186	0.052	3.294	0.323		0.047			12.552	**138.262**	0.004		**138.266**
MCL	**TOT**	**99.274**	**22.534**	**0.000**	**0.000**	**0.000**	**0.186**	**0.052**	**3.294**	**0.323**	**0.000**	**0.047**	**0.000**	**0.000**	**12.552**	**138.262**	**0.004**	**0.000**	**138.266**
NEC	RCE	0.588	0.029				0.083								0.195	**0.895**			**0.895**
NEC	**TOT**	**0.588**	**0.029**	**0.000**	**0.000**	**0.000**	**0.083**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.195**	**0.895**	**0.000**	**0.000**	**0.895**
CIL	RCE	**419.765**	**39.431**	**0.121**	**0.000**	**0.000**	**4.958**	**1.355**	**8.044**	**0.591**	**0.073**	**0.715**	**0.118**	**0.014**	**59.783**	**534.968**	**0.213**	**0.000**	**535.181**
CIL	WC	**6.811**	**0.102**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**6.913**	**0.000**	**0.000**	**6.913**
CIL	**TOT**	**426.576**	**39.533**	**0.121**	**0.000**	**0.000**	**4.958**	**1.355**	**8.044**	**0.591**	**0.073**	**0.715**	**0.118**	**0.014**	**59.783**	**541.881**	**0.213**	**0.000**	**542.094**
SCCL	RCE	53.483	3.144				2.678		0.217	0.215	0.204	0.795	0.120		3.767	**64.623**			**64.623**
SCCL	**TOT**	**53.483**	**3.144**	**0.000**	**0.000**	**0.000**	**2.678**	**0.000**	**0.217**	**0.215**	**0.204**	**0.795**	**0.120**	**0.000**	**3.767**	**64.623**	**0.000**	**0.000**	**64.623**
JKML	RCE														0.021	**0.021**			**0.021**
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**	**0.021**	**0.021**	**0.000**	**0.000**	**0.021**
IISCO	RCE					0.373									0.001	**0.374**			**0.374**
IISCO	**TOT**	**0.000**	**0.000**	**0.000**	**0.000**	**0.373**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.001**	**0.374**	**0.000**	**0.000**	**0.374**
JSMDCL	RCE	0.250												0.101		**0.351**			**0.351**
JSMDCL	**TOT**	**0.250**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.101**	**0.000**	**0.351**	**0.000**	**0.000**	**0.351**
RRVUNL	WC		7.052													**7.052**			**7.052**
RRVUNL	**TOT**	**0.000**	**7.052**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**7.052**	**0.000**	**0.000**	**7.052**
NTPC	RCE		2.583													**2.583**			**2.583**
NTPC	**TOT**	**0.000**	**2.583**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.583**	**0.000**	**0.000**	**2.583**
Public	RCE	**473.498**	**45.158**	**0.121**	**0.000**	**0.373**	**7.636**	**1.355**	**8.261**	**0.806**	**0.277**	**1.510**	**0.238**	**0.115**	**63.572**	**602.920**	**0.213**	**0.000**	**603.133**
Public	WC	**6.811**	**7.154**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**13.965**	**0.000**	**0.000**	**13.965**
Public	**TOT**	**480.309**	**52.312**	**0.121**	**0.000**	**0.373**	**7.636**	**1.355**	**8.261**	**0.806**	**0.277**	**1.510**	**0.238**	**0.115**	**63.572**	**616.885**	**0.213**	**0.000**	**617.098**
MEG	RCE														1.529	**1.529**			**1.529**
MEG	**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**	**1.529**	**1.529**	**0.000**	**0.000**	**1.529**
CESC	WC	0.798														**0.798**			**0.798**
CESC	**TOT**	**0.798**	**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**	**0.798**	**0.000**	**0.000**	**0.798**
HIL	RCE		2.247													**2.247**			**2.247**
HIL	**TOT**	**0.000**	**2.247**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.247**	**0.000**	**0.000**	**2.247**
SPL	RCE		17.961													**17.961**			**17.961**
SPL	**TOT**	**0.000**	**17.961**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**17.961**	**0.000**	**0.000**	**17.961**
GMR	RCE		0.276													**0.276**			**0.276**
GMR	**TOT**	**0.000**	**0.276**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.276**	**0.000**	**0.000**	**0.276**
SIL	RCE		0.074						0.188							**0.262**			**0.262**
SIL	**TOT**	**0.000**	**0.074**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.188**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.262**	**0.000**	**0.000**	**0.262**
JPVL	RCE	2.800														**2.800**			**2.800**
JPVL	**TOT**	**2.800**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.800**	**0.000**	**0.000**	**2.800**
RCCPL	RCE						0.072									**0.072**			**0.072**
RCCPL	**TOT**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.072**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.072**	**0.000**	**0.000**	**0.072**
TUML	RCE		0.094						0.079							**0.173**			**0.173**
TUML	**TOT**	**0.000**	**0.094**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.079**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.173**	**0.000**	**0.000**	**0.173**
Private	**RCE**	**2.800**	**20.652**	**0.000**	**0.000**	**0.000**	**0.072**	**0.000**	**0.267**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.529**	**25.320**	**0.000**	**0.000**	**25.320**
Private	**WC**	**0.798**	**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**	**0.798**	**0.000**	**0.000**	**0.798**
Private	**TOT**	**3.598**	**20.652**	**0.000**	**0.000**	**0.000**	**0.072**	**0.000**	**0.267**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.529**	**26.118**	**0.000**	**0.000**	**26.118**
Grand Total	**RCE**	**476.298**	**65.810**	**0.121**	**0.000**	**0.373**	**7.708**	**1.355**	**8.528**	**0.806**	**0.277**	**1.510**	**0.238**	**0.115**	**65.101**	**628.240**	**0.213**	**0.000**	**628.453**
Grand Total	**WC**	**7.609**	**7.154**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**14.763**	**0.000**	**0.000**	**14.763**
Grand Total	**TOT**	**483.907**	**72.964**	**0.121**	**0.000**	**0.373**	**7.708**	**1.355**	**8.528**	**0.806**	**0.277**	**1.510**	**0.238**	**0.115**	**65.101**	**643.003**	**0.213**	**0.000**	**643.216**

TABLE-4.21: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDLINGS FOR FINAL CONSUMTION TO DIFFERENT STATES: 2017-18

(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)	31.604	2.033				0.252		0.069	0.075	0.072	0.088			0.772	**34.965**			**34.965**
Andhra Pradesh	Washed Coal	0.016		0.508												**0.524**			**0.524**
Andhra Pradesh	**Tot Coal (FC)**	**31.620**	**2.033**	**0.508**	**0.000**	**0.000**	**0.252**	**0.000**	**0.069**	**0.075**	**0.072**	**0.088**	**0.000**	**0.000**	**0.772**	**35.489**	**0.000**	**0.000**	**35.489**
Assam	Raw Coal (FC)	0.823	0.011				0.027								0.126	**0.987**			**0.987**
Assam	Washed Coal	0.029														**0.029**			**0.029**
Assam	**Tot Coal (FC)**	**0.852**	**0.011**	**0.000**	**0.000**	**0.000**	**0.027**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.126**	**1.016**	**0.000**	**0.000**	**1.016**
Bihar	Raw Coal (FC)	17.889			0.005										0.669	**18.563**			**18.563**
Bihar	Washed Coal	0.280														**0.280**			**0.280**
Bihar	**Tot Coal (FC)**	**18.169**	**0.000**	**0.000**	**0.005**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.669**	**18.843**	**0.000**	**0.000**	**18.843**
Chhattisgarh	Raw Coal (FC)	62.478	5.859				1.567		3.533			0.017			6.755	**80.209**	0.005		**80.214**
Chhattisgarh	Washed Coal	0.093		0.166	0.133											**0.392**			**0.392**
Chhattisgarh	**Tot Coal (FC)**	**62.571**	**5.859**	**0.166**	**0.133**	**0.000**	**1.567**	**0.000**	**3.533**	**0.000**	**0.000**	**0.017**	**0.000**	**0.000**	**6.755**	**80.601**	**0.005**	**0.000**	**80.606**
Delhi	Raw Coal (FC)	0.211													0.003	**0.214**			**0.214**
Delhi	Washed Coal	0.831														**0.831**			**0.831**
Delhi	Middlings	0.039														**0.039**			**0.039**
Delhi	**Tot Coal (FC)**	**1.081**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.003**	**1.084**	**0.000**	**0.000**	**1.084**
Gujarat	Raw Coal (FC)	16.089	0.415	0.052			0.004	0.548				0.049	0.028		0.063	**17.248**			**17.248**
Gujarat	**Tot Coal (FC)**	**16.089**	**0.415**	**0.052**	**0.000**	**0.000**	**0.004**	**0.548**	**0.000**	**0.000**	**0.000**	**0.049**	**0.028**	**0.000**	**0.063**	**17.248**	**0.000**	**0.000**	**17.248**
Haryana	Raw Coal (FC)	14.509						0.342							0.012	**14.863**			**14.863**
Haryana	Washed Coal	0.412														**0.412**			**0.412**
Haryana	**Tot Coal (FC)**	**14.921**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.342**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.012**	**15.275**	**0.000**	**0.000**	**15.275**
Himachal Pradesh	Raw Coal (FC)						0.026									**0.026**			**0.026**
Himachal Pradesh	**Tot Coal (FC)**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.026**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.026**	**0.000**	**0.000**	**0.026**
J & K	Raw Coal (FC)						0.027								0.039	**0.066**			**0.066**
J & K	**Tot Coal (FC)**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.027**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.039**	**0.066**	**0.000**	**0.000**	**0.066**
Jharkhand	Raw Coal (FC)	15.827	3.606	0.745		0.296	0.012		0.338					0.104	11.143	**32.071**	0.029		**32.100**
Jharkhand	Washed Coal	0.746	0.102	0.268	1.597											**2.713**			**2.713**
Jharkhand	Middlings	1.124	1.391			0.389									0.001	**2.905**			**2.905**
Jharkhand	**Tot Coal (FC)**	**17.697**	**5.099**	**1.013**	**1.597**	**0.685**	**0.012**	**0.000**	**0.338**	**0.000**	**0.000**	**0.000**	**0.000**	**0.104**	**11.144**	**37.689**	**0.029**	**0.000**	**37.718**
Kerala	Raw Coal (FC)						0.043					0.027				**0.070**			**0.070**
Kerala	**Tot Coal (FC)**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.043**	**0.000**	**0.000**	**0.000**	**0.000**	**0.027**	**0.000**	**0.000**	**0.000**	**0.070**	**0.000**	**0.000**	**0.070**
Karnataka	Raw Coal (FC)	11.855	1.103				0.900		0.014		0.009	0.023	0.100		0.135	**14.139**			**14.139**
Karnataka	**Tot Coal (FC)**	**11.855**	**1.103**	**0.000**	**0.000**	**0.000**	**0.900**	**0.000**	**0.014**	**0.000**	**0.009**	**0.023**	**0.100**	**0.000**	**0.135**	**14.139**	**0.000**	**0.000**	**14.139**
Maharashtra	Raw Coal (FC)	56.360	0.727				1.841		0.601			0.416	0.068		4.357	**64.370**	0.004		**64.374**
Maharashtra	Washed Coal	0.083														**0.083**			**0.083**
Maharashtra	**Tot Coal (FC)**	**56.443**	**0.727**	**0.000**	**0.000**	**0.000**	**1.841**	**0.000**	**0.601**	**0.000**	**0.000**	**0.416**	**0.068**	**0.000**	**4.357**	**64.453**	**0.004**	**0.000**	**64.457**
Meghalaya	Raw Coal (FC)		0.018				0.055								1.588	**1.661**			**1.661**
Meghalaya	**Tot Coal (FC)**	**0.000**	**0.018**	**0.000**	**0.000**	**0.000**	**0.055**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.588**	**1.661**	**0.000**	**0.000**	**1.661**

Contd.....

TABLE-4.21: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDLINGS FOR FINAL CONSUMTION TO DIFFERENT STATES: 2017-18

(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)**
Madhya Pradesh	Raw Coal (FC)	49.490	20.802	0.087	0.011		1.020		0.058		0.066	0.153	0.011		3.832	**75.530**	0.007		**75.537**
Madhya Pradesh	**Tot Coal (FC)**	**49.490**	**20.802**	**0.087**	**0.011**	**0.000**	**1.020**	**0.000**	**0.058**	**0.000**	**0.066**	**0.153**	**0.011**	**0.000**	**3.832**	**75.530**	**0.007**	**0.000**	**75.537**
Odisha	Raw Coal (FC)	32.014	22.209	0.121			0.186	0.052	2.959	0.371		0.019			13.840	**71.771**	0.004		**71.775**
Odisha	Washed Coal	0.004		0.100	0.642											**0.746**			**0.746**
Odisha	Middlings		0.073			0.086										**0.159**			**0.159**
Odisha	**Tot Coal (FC)**	**32.018**	**22.282**	**0.221**	**0.642**	**0.086**	**0.186**	**0.052**	**2.959**	**0.371**	**0.000**	**0.019**	**0.000**	**0.000**	**13.840**	**72.676**	**0.004**	**0.000**	**72.680**
Panjab	Raw Coal (FC)	11.753	0.200					0.522							0.040	**12.515**			**12.515**
Panjab	Washed Coal	0.048														**0.048**			**0.048**
Panjab	**Tot Coal (FC)**	**11.801**	**0.200**	**0.000**	**0.000**	**0.000**	**0.000**	**0.522**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.040**	**12.563**	**0.000**	**0.000**	**12.563**
Rajasthan	Raw Coal (FC)	9.790	0.561				0.184	0.271					0.008		0.016	**10.830**			**10.830**
Rajasthan	Washed Coal		7.052													**7.052**			**7.052**
Rajasthan	**Tot Coal (FC)**	**9.790**	**7.613**	**0.000**	**0.000**	**0.000**	**0.184**	**0.271**	**0.000**	**0.000**	**0.000**	**0.000**	**0.008**	**0.000**	**0.016**	**17.882**	**0.000**	**0.000**	**17.882**
Tamilnadu	Raw Coal (FC)	22.701	0.474				0.072					0.023			0.023	**23.293**			**23.293**
Tamilnadu	Washed Coal	0.130														**0.130**			**0.130**
Tamilnadu	**Tot Coal (FC)**	**22.831**	**0.474**	**0.000**	**0.000**	**0.000**	**0.072**	**0.000**	**0.000**	**0.000**	**0.000**	**0.023**	**0.000**	**0.000**	**0.023**	**23.423**	**0.000**	**0.000**	**23.423**
Telangana	Raw Coal (FC)	33.442	1.513				1.443		0.198	0.092	0.123	0.657	0.020		2.550	**40.038**			**40.038**
Telangana	**Tot Coal (FC)**	**33.442**	**1.513**	**0.000**	**0.000**	**0.000**	**1.443**	**0.000**	**0.198**	**0.092**	**0.123**	**0.657**	**0.020**	**0.000**	**2.550**	**40.038**	**0.000**	**0.000**	**40.038**
Uttar Pradesh	Raw Coal (FC)	73.654	4.493				0.001	0.148	0.107	0.268					6.096	**84.767**			**84.767**
Uttar Pradesh	Washed Coal	4.049														**4.049**			**4.049**
Uttar Pradesh	Middlings	0.351														**0.351**			**0.351**
Uttar Pradesh	**Tot Coal (FC)**	**78.054**	**4.493**	**0.000**	**0.000**	**0.000**	**0.001**	**0.148**	**0.107**	**0.268**	**0.000**	**0.000**	**0.000**	**0.000**	**6.096**	**89.167**	**0.000**	**0.000**	**89.167**
Uttaranchal	Raw Coal (FC)		0.198												0.112	**0.310**			**0.310**
Uttaranchal	**Tot Coal (FC)**	**0.000**	**0.198**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.112**	**0.310**	**0.000**	**0.000**	**0.310**
West Bengal	Raw Coal (FC)	44.478	0.189	0.002			0.003		0.485		0.003	0.038	0.003	0.010	2.574	**47.785**	0.191		**47.976**
West Bengal	Washed Coal	0.889		0.102	0.647											**1.638**			**1.638**
West Bengal	Middlings	0.108	0.266			0.235										**0.609**			**0.609**
West Bengal	**Tot Coal (FC)**	**45.475**	**0.455**	**0.104**	**0.647**	**0.235**	**0.003**	**0.000**	**0.485**	**0.000**	**0.003**	**0.038**	**0.003**	**0.010**	**2.574**	**50.032**	**0.191**	**0.000**	**50.223**
Others	Raw Coal (FC)		0.322	0.311		0.077	0.043		0.086						16.947	**17.786**			**17.786**
Others	Middlings														0.008	**0.008**			**0.008**
Others	**Tot Coal (FC)**	**0.000**	**0.322**	**0.311**	**0.000**	**0.077**	**0.043**	**0.000**	**0.086**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**16.955**	**17.794**	**0.000**	**0.000**	**17.794**
ALL India	Raw Coal (FC)	**504.967**	**64.733**	**1.318**	**0.016**	**0.373**	**7.706**	**1.883**	**8.448**	**0.806**	**0.273**	**1.510**	**0.238**	**0.114**	**71.692**	**664.077**	**0.240**	**0.000**	**664.317**
ALL India	Washed Coal	**7.610**	**7.154**	**1.144**	**3.018**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**18.926**	**0.000**	**0.000**	**18.926**
ALL India	Middlings	**1.622**	**1.730**	**0.000**	**0.000**	**0.710**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.009**	**4.071**	**0.000**	**0.000**	**4.071**
ALL India	**Tot Coal (FC)**	**514.199**	**73.617**	**2.462**	**3.034**	**1.083**	**7.706**	**1.883**	**8.448**	**0.806**	**0.273**	**1.510**	**0.238**	**0.114**	**71.701**	**687.074**	**0.240**	**0.000**	**687.314**

TABLE 4.22 : 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)
2008-09	46.493	450.115	**496.608**	446.908	0.845	**447.753**	46.820	0.286	42.642	**42.928**	42.264	0.000	**42.264**	0.497	46.779	492.757	**539.536**	489.172	0.845	**490.017**	47.317
2009-10	46.820	484.04	**530.860**	466.845	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

TABLE 4.23 : 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)
2008-09	0.305	38.577	**38.649**	37.901	0.000	**37.901**	0.590	46.474	454.413	**500.887**	451.271	0.845	**452.116**	46.727	46.779	492.990	**539.769**	489.172	0.845	**490.017**	47.317
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

TABLE 4.24: AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2016-17 & 2017-18

(Quantity in Million Tonnes)

Company	2016-17							2017-18						
	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)	(9)	(10)	**(11)**	(12)	(13)	**(14)**	(15)	(9)	(10)	**(11)**	(12)	(13)	**(14)**	(15)
CIL	53.491	554.140	**607.631**	542.981	0.275	**543.256**	68.575	68.575	567.366	**635.941**	580.010	0.243	**580.253**	55.630
SCCL	5.348	61.336	**66.684**	60.791	0.014	**60.805**	6.544	6.544	62.010	**68.554**	64.623		**64.623**	4.921
JKML	0.013	0.010	**0.023**	0.011		**0.011**	0.012	0.012	0.014	**0.026**	0.021		**0.021**	0.005
JSMDCL	0.007	0.297	**0**	0.297		**0.297**	0.000	0.000	0.351	**0.351**	0.351		**0.351**	0.000
DVC	0.030	0.152	**0.182**	0.180		**0.180**	0.013	0.013	0.047	**0.060**	0.000		**0.000**	0.060
IISCO	0.013	0.766	**0.779**	0.771		**0.771**	0.007	0.007	0.793	**0.800**	0.789		**0.789**	0.007
SAIL	0.000	0.000	**0.000**	0.000		**0.000**	0.000	0.000	0.185	**0.185**	0.000		**0.000**	0.185
RRVUNL	0.000	8.267	**8.267**	8.267		**8.267**	0.000	0.000	8.329	**8.329**	8.329		**8.329**	0.000
NTPC	0.000	0.228	**0.228**	0.100		**0.100**	0.127	0.127	2.679	**2.806**	2.583		**2.583**	0.223
PUBLIC	**58.902**	**625.196**	**684.098**	**613.398**	**0.289**	**613.687**	**75.278**	**75.278**	**641.774**	**717.052**	**656.706**	**0.243**	**656.949**	**61.031**
TSL	0.012	6.316	**6.328**	6.311		**6.311**	0.011	0.011	6.224	**6.235**	6.213		**6.213**	0.024
Meghalaya	0.000	2.308	**2.308**	2.308		**2.308**	0.000	0.000	1.529	**1.529**	1.529		**1.529**	0.000
SPL	0.145	16.997	**17.142**	17.101		**17.101**	0.222	0.222	18.003	**18.225**	17.961		**17.961**	0.264
CESC	0.000	1.742	**1.742**	1.620		**1.620**	0.125	0.125	1.878	**2.003**	1.764		**1.764**	0.240
HIL	0.008	2.000	**2.008**	1.765		**1.765**	0.291	0.291	2.414	**2.705**	2.247		**2.247**	0.457
GMR	0.000	0.151	**0.151**	0.280		**0.280**	0.006	0.006	0.270	**0.276**	0.276		**0.276**	0.000
BALCO	0.000	0.180	**0.180**	0.221		**0.221**	0.000	0.000	0.000	**0.000**	0.000		**0.000**	0.000
SIL	0.009	0.153	**0.162**	0.156		**0.156**	0.008	0.008	0.270	**0.278**	0.262		**0.262**	0.017
JPVL	0.000	2.800	**2.800**	2.803		**2.803**	0.001	0.001	2.800	**2.801**	2.800		**2.800**	0.001
RCCPL	0.000	0.025	**0.025**	0.015		**0.015**	0.010	0.010	0.063	**0.073**	0.072		**0.072**	0.000
TUML			**0.000**			**0.000**			0.175	**0.175**	0.173		**0.173**	0.002
PRIVATE	**0.174**	**32.672**	**32.846**	**32.580**	**0.000**	**32.580**	**0.674**	**0.674**	**33.626**	**34.300**	**33.297**	**0.000**	**33.297**	**1.005**
INDIA	**59.076**	**657.868**	**716.944**	**645.978**	**0.289**	**646.267**	**75.952**	**75.952**	**675.400**	**751.352**	**690.003**	**0.243**	**690.246**	**62.036**

Table 4.25: 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	2013-14	3.249										**3.249**
GMDCL	2013-14	2.825	0.004	0.320	0.003	0.664		1.215	0.993	0.148	2.226	**8.398**
GHCL	2013-14	0.190										**0.190**
NLCL	2013-14	24.819	0.026	0.995		0.004		0.071	0.010	0.013	0.053	**25.991**
RSMML	2013-14	0.612		0.174		0.065		0.004		0.002	0.571	**1.428**
VSLPPL	2013-14	0.839										**0.839**
BLMCL	2013-14	3.802										**3.802**
TOTAL	**2013-14**	**36.336**	**0.030**	**1.489**	**0.003**	**0.733**	**0.000**	**1.290**	**1.003**	**0.163**	**2.850**	**43.897**
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**

TABLE 4.26 : CAPTIVE BLOCK WISE DESPATCH OF RAW COAL DURING LAST THREE YEARS

(Quantity in Million Tonnes)

Block	Company	State	2015-16			2016-17			2017-18		
			Coking Coal	Non Coking Coal	**Total Coal**	Coking Coal	Non Coking Coal	**Total Coal**	Coking Coal	Non Coking Coal	**Total Coal**
(1)	(2)	(3)	(7)	(8)	(9)	(7)	(8)	(9)	(7)	(8)	(9)
SECL(GP-IV/2&3)	SECL	Chhittsgarh		2.152	**2.152**		3.464	**3.464**		4.053	**4.053**
SECL(GP-IV/1)	SECL	Chhittsgarh					0.654	**0.654**		1.301	**1.301**
Parsa East & Kanta Basan	RRVUNL	Chhittsgarh		6.210	**6.210**		8.267	**8.267**		8.329	**8.329**
Pakri Barwadih	NTPC	Jharkhand					0.100	**0.100**		2.583	**2.583**
Tasra	SAIL/IISCO	Jharkhand			**0.000**			**0.000**			**0.000**
Total Public			**0.000**	**8.362**	**8.362**	**0.000**	**12.485**	**12.485**	**0.000**	**16.266**	**16.266**
Amelia North	JPVL	Madhya Pradesh		2.796	**2.796**		2.803	**2.803**		2.800	**2.800**
Belgaon	SIL	Maharashtra		0.163	**0.163**		0.156	**0.156**		0.262	**0.262**
Chotia	BALCO	Chhittsgarh		0.079	**0.079**		0.221	**0.221**		0.000	**0.000**
Gare Palma IV/4	HIL	Chhittsgarh		0.012	**0.012**		0.859	**0.859**		0.934	**0.934**
Gare Palma IV/5	HIL	Chhittsgarh					0.906	**0.906**		0.745	**0.745**
Kathautia	HIL	Chhittsgarh								0.568	**0.568**
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		16.842	**16.842**		17.101	**17.101**		17.961	**17.961**
Sarshatali	CESC	West Bengal		1.874	**1.874**		1.620	**1.620**		1.764	**1.764**
Talabira-I	GMR	Odisha		0.425	**0.425**		0.280	**0.280**		0.276	**0.276**
Sial Ghogri	RCCPL	Madhya Pradesh					0.015	**0.015**		0.072	**0.072**
Marki Mangli I	TUML	Maharashtra								0.173	**0.173**
Total Private			**0.000**	**22.191**	**22.191**	**0.000**	**23.961**	**23.961**	**0.000**	**25.555**	**25.555**
Grand Total			**0.000**	**30.553**	**30.553**	**0.000**	**36.446**	**36.446**	**0.000**	**41.821**	**41.821**

TABLE 4.27 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF *RAW COAL & LIGNITE* DURING 2016-17 & 2017-18

(Quantity in Million Tonnes)

Availability (within India)	2016-17	2017-18
(A) Production		
Coking Coal	61.661	40.148
Non-coking Coal	596.207	635.252
Lignite	45.230	46.644
Total	**703.098**	**722.044**
(B) Change of Vendible Stock (Closing - 0pening)		
Coking Coal	2.441	-5.113
Non-coking Coal	9.087	-8.803
Lignite	2.074	0.327
Total Change (Cl - Op)	**13.602**	**-13.589**
(C) Import		
Coking Coal	41.644	47.004
Non-coking Coal	149.309	161.245
Total Raw Coal	**190.953**	**208.250**
(D) Export	**1.773**	**1.504**
(E) Total Availability	**878.676**	**942.379**

Supply (within India)	2016-17				2017-18			
Sectors	Raw Coal	Lignite	Imported Coal	**Total**	Raw Coal	Lignite	Imported Coal	**Total**
Steel & Washery	10.336	0.035	41.644	**52.015**	11.447	0.120	47.004	**58.571**
Power (Utility+Captive)	535.044	38.824	N.A.	**573.868**	585.488	38.839	N.A.	**624.327**
Cement	6.356	0.291	N.A.	**6.647**	7.708	1.091	N.A.	**8.799**
Textile	0.243	1.292		**1.535**	0.238	2.457		**2.695**
Sponge Iron	5.557	0.038		**5.595**	8.528	0.093		**8.621**
Fertilizer & Chem.	2.447	0.196		**2.643**	2.160	0.224		**2.384**
Paper	1.181	0.526		**1.707**	1.510	0.758		**2.268**
Brick	0.099	0.415		**0.514**	0.115	0.38		**0.495**
Others	84.715	1.538	149.309	**235.562**	72.809	2.355	161.245	**236.409**
Colliery Consmn.	0.289			**0.289**	0.243			**0.243**
Total Off-take	**646.267**	**43.155**	**190.953**	**880.375**	**690.246**	**46.317**	**208.250**	**944.813**
Statistical Difference				**-1.699**				**-2.434**
Total Supply				**878.676**				**942.379**

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

Section V

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 31-03-2018, Pit head closing stock of coal was 62.036 MT and lignite 7.210 MT. Statement 5.1 shows details of pit head closing stock of raw coal and lignite for 2016-17 and 2017-18. It may be seen that in 2017-18, closing stock of coal decreased over 2016-17 by 18.3%. While lignite increased by 4.8%.

Statement 5.1 Pit Head Closing Stock (MT) of Coal and Lignite in India at the end of 2016-17 and 2017-18

Types of Fossil Fuel	Year	
	2016-17	2017-18
Coal		
Metallurgical	1.563	2.012
Non-metallurgical	9.602	4.040
Total Coking Coal	**11.165**	**6.052**
Non-coking	64.787	55.984
Total Raw Coal	**75.952**	**62.036**
Lignite	6.883	7.210

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.

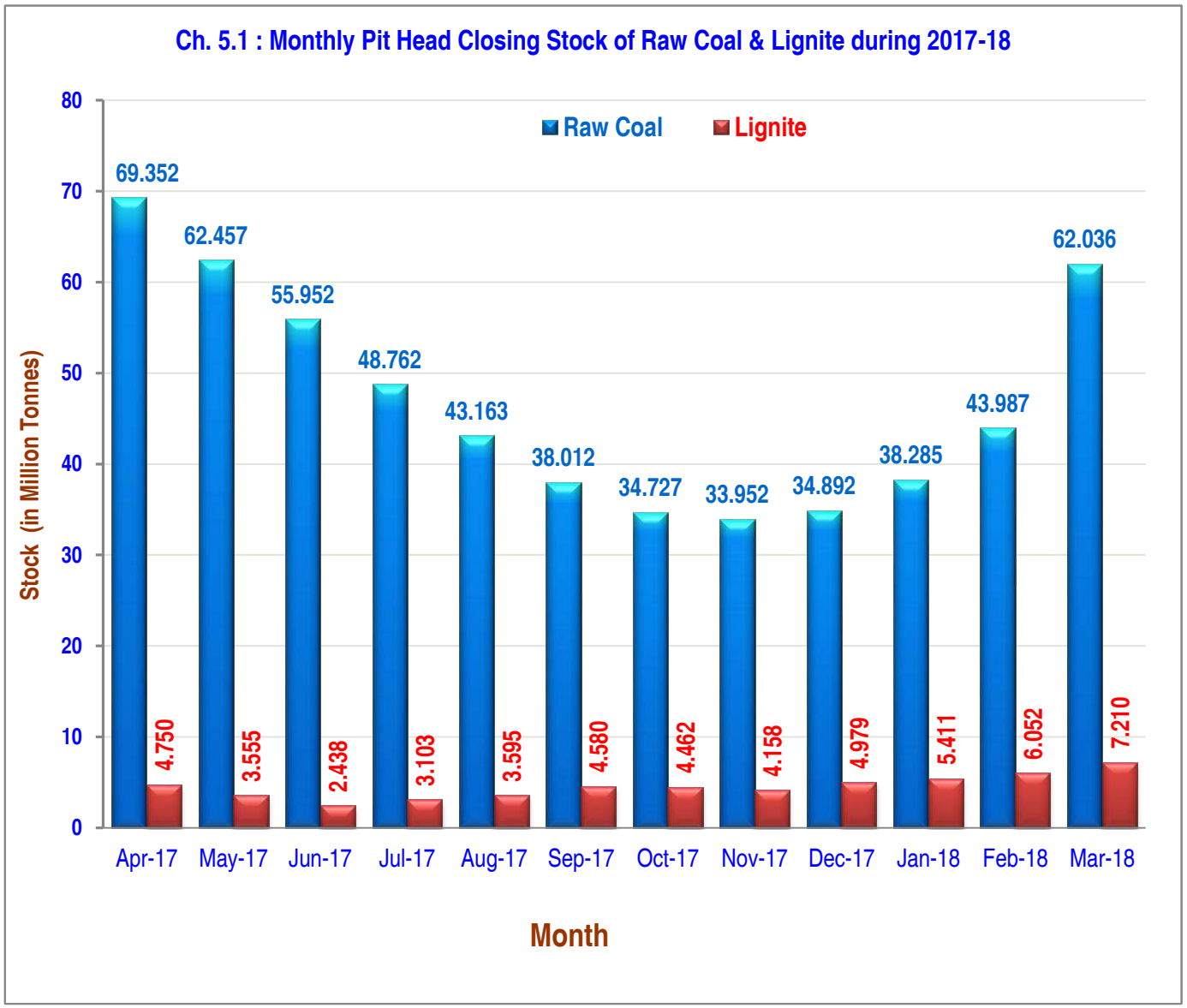
Year	Pit Head Closing Stock (MT)	
	Raw Coal	Lignite
2008-09	47.317	0.903
2009-10	64.863	0.565
2010-11	72.192	0.610
2011-12	74.040	1.051
2012-13	63.049	1.493
2013-14	55.514	1.860
2014-15	59.389	3.176
2015-16	65.361	4.809
2016-17	75.952	6.883
2017-18	62.036	7.210

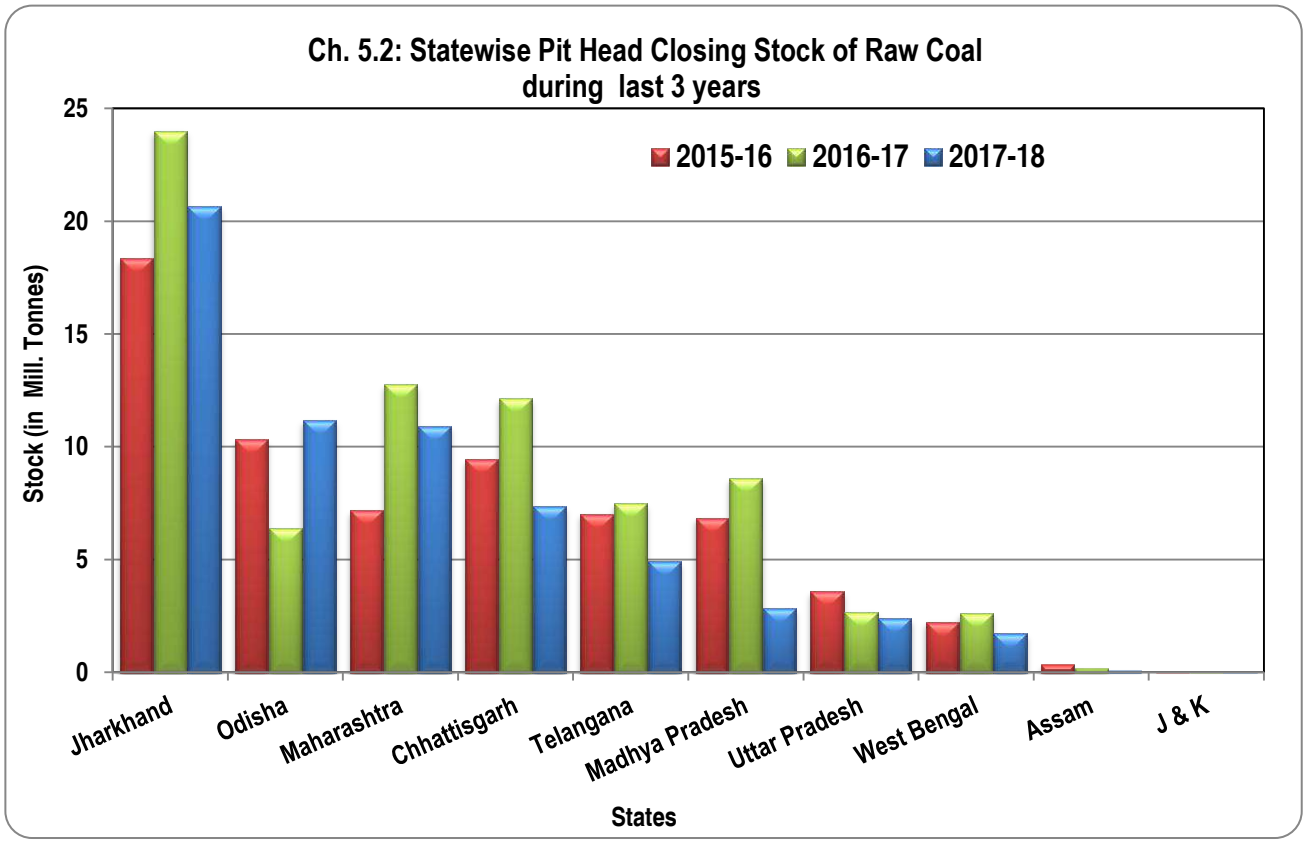
It may be seen that in case of coal, the pit head closing stock had been increasing from 2007-08 till 2011-12 whereas in 2012-13 and 2013-14 it decreased. Again from 2014-15 it had increasing trend till 2016-17. But in 2017-18 it decreased again. In case of lignite, it had increasing trend since 2010-11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

Statement 5.3 shows pit head closing stock of coal by companies for 2016-17 and 2017-18.

Statement 5.3:Company wise Pit Head Closing Stock (MT) of Coal and Lignite in India at the end of 2016-17 and 2017-18

Company	Year	
	2016-17	2017-18
Coal		
ECL	2.553	2.496
BCCL	6.199	5.416
CCL	17.574	13.469
NCL	7.195	3.441
WCL	14.142	11.614
SECL	14.342	7.947
MCL	6.387	11.178
NEC	0.183	0.069
CIL	**68.575**	**55.630**
SCCL	6.544	4.921
Other Public	0.159	0.480
Total Public	**75.278**	**61.031**
Total Private	**0.674**	**1.005**
Total	**75.952**	**62.036**
Lignite		
NLC	6.612	6.784
GMDCL	0	0
GIPCL	0	0
GHCL	0.012	0.014
RSMML	0	0
VSLPL	0.062	0.062
BLMCL	0.197	0.350
Total	**6.883**	**7.210**


Ch. 5.1 : Monthly Pit Head Closing Stock of Raw Coal & Lignite during 2017-18
Raw Coal
Lignite
Stock (in Million Tonnes)
80
70
60
50
40
30
20
10
0
69.352
62.457
55.952
48.762
43.163
38.012
34.727
33.952
34.892
38.285
43.987
62.036
4.750
3.555
2.438
3.103
3.595
4.580
4.462
4.158
4.979
5.411
6.052
7.210
Apr-17
May-17
Jun-17
Jul-17
Aug-17
Sep-17
Oct-17
Nov-17
Dec-17
Jan-18
Feb-18
Mar-18
Month


Ch. 5.2: Statewise Pit Head Closing Stock of Raw Coal during last 3 years
2015-16
2016-17
2017-18
Stock (in Mill. Tonnes)
25
20
15
10
5
0
Jharkhand
Odisha
Maharashtra
Chhattisgarh
Telangana
Madhya Pradesh
Uttar Pradesh
West Bengal
Assam
J & K
States

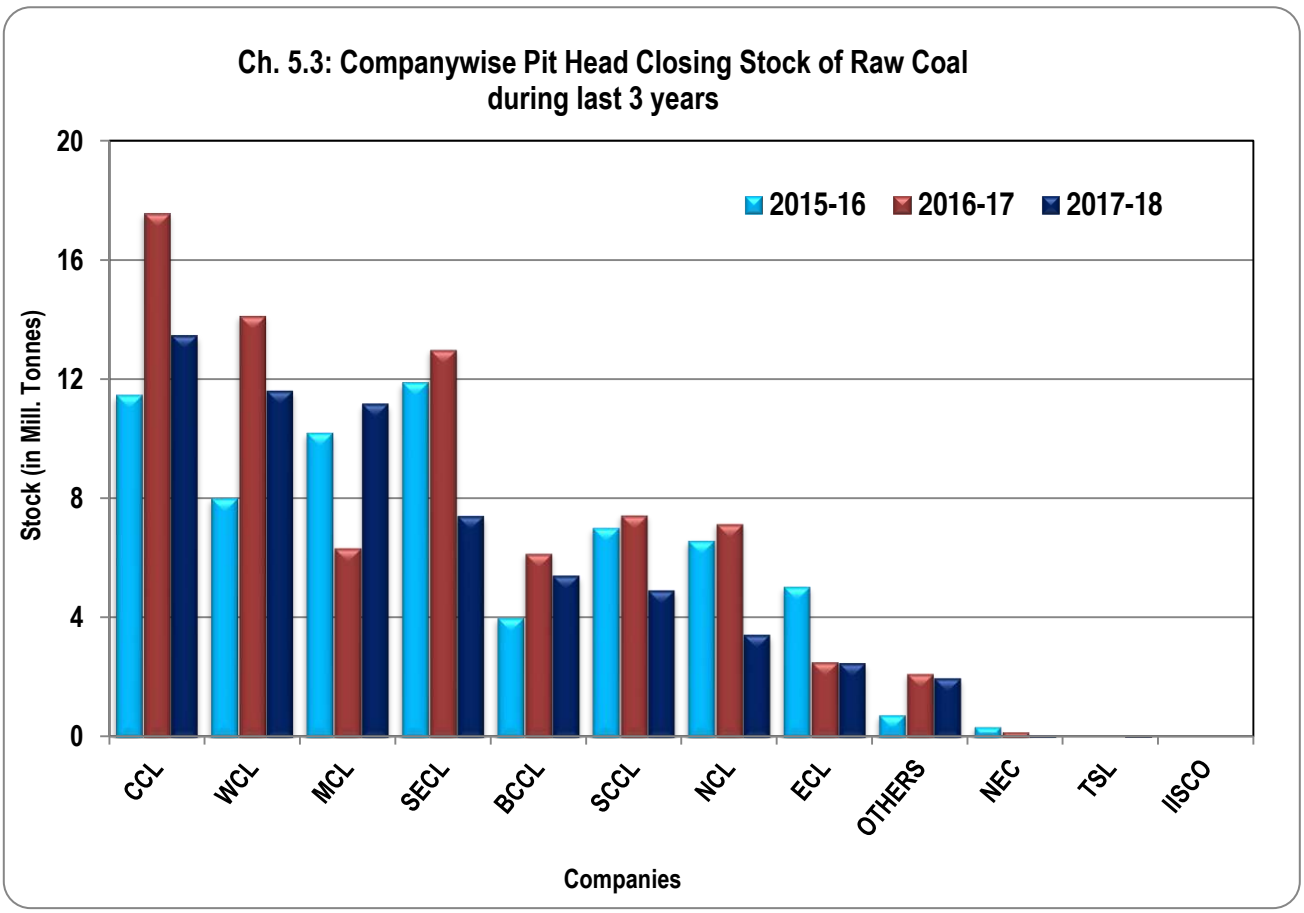

Ch. 5.3: Companywise Pit Head Closing Stock of Raw Coal during last 3 years
2015-16
2016-17
2017-18
Stock (in Mill. Tonnes)
20
16
12
8
4
0
CCL
WCL
MCL
SECL
BCCL
SCCL
NCL
ECL
OTHERS
NEC
TSL
IISCO
Companies

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)
2008-09	47.317	98.13	1.15	0.903	1.87	175.30	48.220	2.36
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

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 coking coal (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total solid fossil fuel (%)	Change over previous year (%)	Pit-head Closing Stock	Share in coal (%)	Change over previous year (%)	**Pit-head Closing Stock**	**Change over previous year (%)**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	**(14)**	**(15)**
2008-09	4.065	61.3	1.8	2.565	38.7	-11.3	6.630	14.0	-3.7	40.687	86.0	2.0	**47.317**	**1.2**
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**

TABLE-5.3 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2017-18

(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-17	69.352	4.750	0.167	0.624	0.745	0	0.142
May-17	62.457	3.555	0.118	0.355	0.742	0	0.188
Jun-17	55.952	2.438	0.121	0.229	0.651	0	0.112
1st Quarter	**55.952**	**2.438**	**0.121**	**0.229**	**0.651**	**0.000**	**0.112**
Jul-17	48.762	3.103	0.113	0.322	0.602	0	0.097
Aug-17	43.163	3.595	0.114	0.234	0.618	0	0.096
Sep-17	38.012	4.580	0.096	0.185	0.546	0	0.125
2nd Quarter	**38.012**	**4.580**	**0.096**	**0.185**	**0.546**	**0.000**	**0.125**
Oct-17	34.727	4.462	0.120	0.119	0.556	0	0.122
Nov-17	33.952	4.158	0.116	0.319	0.576	0	0.108
Dec-17	34.892	4.979	0.136	0.260	0.564	0	0.157
3rd Quarter	**34.892**	**4.979**	**0.136**	**0.260**	**0.564**	**0.000**	**0.157**
Jan-18	38.285	5.411	0.131	0.277	0.582	0	0.205
Feb-18	43.987	6.052	0.137	0.222	0.598	0	0.163
Mar-18	62.036	7.210	0.124	0.355	0.609	0	0.186
4th Quarter	**62.036**	**7.210**	**0.124**	**0.355**	**0.609**	**0.000**	**0.186**

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)
2008-09	0.022	0.05	120.00	0.252	0.53	218.99	4.303	9.09	-28.43
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

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)
2008-09	0.002	0.00	-33.33	19.171	40.52	-6.74	1.615	3.41	-19.65
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

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)
2008-09	2.386	5.04	-18.40	17.474	36.93	41.41	0.152	0.32	6.29
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

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)
2008-09	0.283	0.60	-59.69	1.657	3.50	-16.40	**47.317**	**1.15**
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**

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)
2008-09	0.862	95.46	185.43	0.041	4.54	57.69			
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

Year	ALL INDIA	
	Quantity	**Growth (%)**
(11)	**(12)**	**(13)**
2008-09	**0.903**	**175.30**
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**

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	2015-16		2016-17		2017-18	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COAL :						
ECL	5.055	7.73	2.553	3.32	2.496	4.02
BCCL	4.016	6.14	6.199	8.06	5.416	8.73
CCL	11.460	17.53	17.574	22.86	13.469	21.71
NCL	6.590	10.08	7.195	9.36	3.441	5.55
WCL	8.007	12.25	14.142	18.39	11.614	18.72
SECL	11.876	18.17	13.010	16.92	7.414	11.95
SECL(GP-IV/2&3)	0.126	0.19	1.142	1.49	0.317	0.51
SECL(GP-IV/1)			0.190	0.25	0.216	0.35
MCL	10.194	15.60	6.387	8.31	11.178	18.02
NEC	0.359	0.55	0.183	0.24	0.069	0.11
CIL	**57.683**	**88.25**	**68.575**	**89.19**	**55.630**	**89.66**
SCCL	7.025	10.75	7.481	9.73	4.921	7.93
JKML	0.013	0.02	0.012	0.02	0.005	0.01
JSMDCL	0.000	0.00	0.000	0.00	0.000	0.00
DVC	0.041	0.06	0.013	0.02	0.060	0.10
IISCO	0.014	0.02	0.007	0.01	0.007	0.01
SAIL	0.000	0.00	0.000	0.00	0.185	0.30
RRVUNL	0.000	0.00	0.000	0.00	0.000	0.00
NTPC			0.127	0.17	0.223	0.36
PUBLIC	**64.776**	**99.10**	**76.215**	**99.12**	**61.031**	**98.37**
TSL	0.007	0.01	0.011	0.01	0.024	0.04
Meghalaya	0.000	0.00	0.000	0.00	0.000	0.00
HIL	0.057	0.09	0.291	0.38	0.457	0.74
SIL	0.011	0.02	0.008	0.01	0.017	0.03
SPL	0.326	0.50	0.222	0.29	0.264	0.43
GMR	0.136	0.21	0.006	0.01	0.000	0.00
BALCO	0.041	0.06	0.000	0.00	0.000	0.00
CESC	0.003	0.00	0.125	0.16	0.240	0.39
JPVL	0.004	0.01	0.001	0.00	0.001	0.00
RCCPL			0.010	0.01	0.007	0.01
TUML					0.002	0.00
PRIVATE	**0.585**	**0.90**	**0.674**	**0.88**	**1.012**	**1.63**
ALL INDIA	**65.361**	**100.00**	**76.889**	**100.00**	**62.043**	**100.00**
LIGNITE :						
NLC	4.573	95.09	6.612	96.06	6.784	94.09
GMDCL	0.000		0.000	0.00	0.000	0.00
GIPCL	0.000		0.000	0.00	0.000	0.00
GHCL	0.011	0.23	0.012	0.17	0.014	0.19
RSMML	0.000		0.000	0.00	0.000	0.00
VSLPPL	0.031		0.062	0.90	0.062	0.86
BLMCL	0.194	4.03	0.197	2.86	0.350	4.85
ALL INDIA	**4.809**	**99.36**	**6.883**	**100.00**	**7.210**	**100.00**
COAL & LIGNITE	**70.170**		**83.772**		**69.253**	

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	2015-2016			2016-2017			2017-2018		
		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		0.359	**0.359**		0.183	**0.183**		0.069	**0.069**
Chhattisgarh	SECL	0.036	9.184	**9.220**	0.130	10.394	**10.524**	0.009	6.592	**6.601**
Chhattisgarh	SECL(GP-IV/2&3)		0.126	**0.126**		1.142	**1.142**		0.317	**0.317**
Chhattisgarh	SECL(GP-IV/1)					0.190	**0.190**		0.216	**0.216**
Chhattisgarh	RRVUNL			**0.000**			**0.000**		0.000	**0.000**
Chhattisgarh	HIL		0.057	**0.057**		0.291	**0.291**		0.225	**0.225**
Chhattisgarh	BALCO		0.041	**0.041**		0.000	**0.000**		0.000	**0.000**
Chhattisgarh	TOTAL	0.036	9.408	9.444	0.130	12.017	12.147	0.009	7.350	7.359
Jammu & Kashmir	**JKML**		0.013	**0.013**		0.012	**0.012**		0.005	**0.005**
Jharkhand	ECL	0.002	3.388	**3.390**	0.006	0.782	**0.788**	0.002	1.321	**1.323**
Jharkhand	BCCL	2.869	0.588	**3.457**	4.132	1.357	**5.489**	3.500	1.629	**5.129**
Jharkhand	CCL	5.604	5.856	**11.460**	6.576	10.998	**17.574**	2.352	11.117	**13.469**
Jharkhand	JSMDCL			**0.000**			**0.000**			**0.000**
Jharkhand	DVC	0.041		**0.041**	0.013		**0.013**	0.060		**0.060**
Jharkhand	IISCO			**0.000**			**0.000**			**0.000**
Jharkhand	TSL	0.007		**0.007**	0.011		**0.011**	0.024		**0.024**
Jharkhand	SAIL			**0.000**			**0.000**	0.185		**0.185**
Jharkhand	NTPC					0.127	**0.127**		0.223	**0.223**
Jharkhand	HIL_KOC								0.232	**0.232**
Jharkhand	**TOTAL**	**8.523**	**9.832**	**18.355**	**10.738**	**13.264**	**24.002**	**6.123**	**14.522**	**20.645**
Madhya Pradesh	NCL		3.020	**3.020**		4.511	**4.511**		1.052	**1.052**
Madhya Pradesh	WCL	0.094	0.754	**0.848**	0.110	1.269	**1.379**	0.010	0.706	**0.716**
Madhya Pradesh	SECL		2.656	**2.656**		2.486	**2.486**		0.813	**0.813**
Madhya Pradesh	BLA			**0.000**			**0.000**			**0.000**
Madhya Pradesh	SPL		0.326	**0.326**		0.222	**0.222**		0.264	**0.264**
Madhya Pradesh	JPVL		0.004	**0.004**		0.001	**0.001**		0.001	**0.001**
Madhya Pradesh	RCCPL					0.010	**0.010**		0.000	**0.000**
Madhya Pradesh	**TOTAL**	**0.094**	**6.760**	**6.854**	**0.110**	**8.499**	**8.609**	**0.010**	**2.836**	**2.846**
Maharashtra	WCL		7.159	**7.159**		12.763	**12.763**		10.898	**10.898**
Maharashtra	SIL		0.011	**0.011**		0.008	**0.008**		0.017	**0.017**
Maharashtra	TUML								0.002	**0.002**
Maharashtra	**TOTAL**	**0.000**	**7.170**	**7.170**	**0.000**	**12.771**	**12.771**	**0.000**	**10.917**	**10.917**
Meghalaya	PRIVATE			**0.000**			**0.000**			**0.000**
Odisha	MCL		10.194	**10.194**		6.387	**6.387**		11.178	**11.178**
Odisha	GMR		0.136	**0.136**		0.006	**0.006**		0.000	**0.000**
Odisha	**TOTAL**		10.330	**10.330**		6.393	**6.393**	0.000	11.178	**11.178**
Telangana	SCCL		7.025	**7.025**		7.481	**6.544**		4.921	**4.921**
Uttar Pradesh	NCL		3.570	**3.570**		2.684	**2.684**		2.389	**2.389**
West Bengal	ECL	0.010	1.655	**1.665**	0.007	1.758	**1.765**	0.005	1.168	**1.173**
West Bengal	BCCL	0.061	0.498	**0.559**	0.180	0.530	**0.710**	0.050	0.237	**0.287**
West Bengal	IISCO		0.014	**0.014**		0.007	**0.007**		0.007	**0.007**
West Bengal	CESC		0.003	**0.003**		0.125	**0.125**		0.240	**0.240**
West Bengal	**TOTAL**	**0.071**	**2.170**	**2.241**	**0.187**	**2.420**	**2.607**	**0.055**	**1.652**	**1.707**
Total Public		**8.717**	**56.100**	**64.817**	**11.154**	**65.061**	**76.215**	**6.173**	**54.858**	**61.031**
Total Private		**0.007**	**0.578**	**0.585**	**0.011**	**0.663**	**0.674**	**0.024**	**0.981**	**1.005**
All India		**8.724**	**56.678**	**65.402**	**11.165**	**65.724**	**76.889**	**6.197**	**55.839**	**62.036**

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

(Quantity in Million Tonnes)

Block	Company	State	2015-16			2016-17			2017-18		
			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	Chhittsgarh		0.126	**0.126**		1.142	**1.142**		0.317	**0.317**
Gare Palma IV/1	SECL	Chhittsgarh					0.190	**0.190**		0.216	**0.216**
Parsa East & Kanta Basan	RRUVNL	Chhittsgarh		0.000	**0.000**		0.000	**0.000**		0.000	**0.000**
Pakri Barwadih	NTPC	Jharkhand					0.127	**0.127**		0.223	**0.223**
Tasra	SAIL/IISCO	Jharkhand		0.000	**0.000**		0.000	**0.000**		0.185	**0.185**
Total Public			**0.000**	**0.126**	**0.126**	**0.000**	**1.459**	**1.459**	**0.000**	**0.941**	**0.941**
Belgaon	SIL	Maharashtra		0.011	**0.011**		0.008	**0.008**		0.017	**0.017**
Chotia	BALCO	Chhittsgarh		0.041	**0.041**		0.000	**0.000**		0.000	**0.000**
Gare Palma IV/4	HIL	Chhittsgarh		0.057	**0.057**		0.197	**0.197**		0.201	**0.201**
Gare Palma IV/5	HIL	Chhittsgarh					0.094	**0.094**		0.024	**0.024**
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		0.326	**0.326**		0.222	**0.222**		0.264	**0.264**
Sarshatali	CESC	West Bengal		0.003	**0.003**		0.125	**0.125**		0.240	**0.240**
Talabira I	GMR	Odisha		0.136	**0.136**		0.006	**0.006**		0.000	**0.000**
Amelia North	JPVL	Madhya Pradesh					0.001	**0.001**		0.001	**0.001**
Sial Ghogri	RCCPL	Madhya Pradesh					0.010	**0.010**		0.000	**0.000**
Kathautia	HIL	Jharkhand								0.232	**0.232**
Marki Mangli I	TUML	Maharashtra								0.002	**0.002**
Total Private			**0.000**	**0.574**	**0.574**	**0.000**	**0.663**	**0.663**	**0.000**	**0.981**	**0.981**
Grand Total			**0.000**	**0.700**	**0.700**	**0.000**	**2.122**	**2.122**	**0.000**	**1.922**	**1.922**

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 2017-18 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 2017-18.

Statement 6.1: State-wise Production (MT) and Value (Million Rs.) of Coal and Lignite for the year 2017-18

Coal	Production	Value
Assam	0.781	4312.4
Chhattisgarh	142.546	114808.0
Jammu & Kashmir	0.014	31.1
Jharkhand	123.297	254292.4
Maharashtra	42.219	70892.8
Meghalaya	1.529	5687.7
Madhya Pradesh	112.127	174484.1
Odisha	143.328	130037.0
Telangana	62.010	119131.3
Uttar Pradesh	18.309	23827.2
West Bengal	29.240	78220.9
ALL INDIA	**675.400**	**975724.7**
Lignite		
Gujarat	13.781	17808.6
Tamilnadu	23.569	47666.8
Rajasthan	9.294	13941.4
ALL INDIA	**46.644**	**79416.7**

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 2017-18 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	2013-14		2014-15		2015-16		2016-17		2017-18	
	Production	Value	Production	Value	Production	Value	Production	Value	Production	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
COAL :										
Assam	0.664	3392.9	0.779	3819.9	0.487	1711.3	0.600	2231.9	0.781	4312.4
Chhattisgarh	127.095	89275.0	134.764	139855.4	130.605	147436.8	138.525	104427.5	142.546	114808.0
Jammu & Kashmir	0.019	40.4	0.013	27.6	0.013	27.6	0.010	21.3	0.014	31.1
Jharkhand	113.091	240509.8	124.143	193135.1	121.067	187369.9	126.435	200571.5	123.297	254292.4
Maharashtra	37.223	57363.5	38.257	67045.4	38.351	65340.3	40.559	64267.7	42.219	70892.8
Meghalaya	5.732	37974.5	2.524	12670.5	3.712	18634.2	2.308	8585.4	1.529	5687.7
Madhya Pradesh	75.590	111792.7	87.609	111478.2	107.714	132254.9	105.013	148372.8	112.127	174484.1
Odisha	112.917	150160.6	123.627	158984.3	138.461	121010.1	139.359	103882.9	143.328	130037.0
Telangana	50.469	73998.0	52.536	109642.6	60.380	122753.5	61.336	110294.2	62.010	119131.3
Uttar Pradesh	14.721	20046.1	14.957	16186.9	12.689	14028.1	16.056	19731.1	18.309	23827.2
West Bengal	28.244	40794.0	29.970	80025.8	25.751	73255.4	27.667	72246.3	29.240	78220.9
ALL INDIA	**565.765**	**825347.5**	**609.179**	**892871.7**	**639.230**	**883822.1**	**657.868**	**834632.6**	**675.400**	**975724.7**
LIGNITE :										
Gujarat	11.588	12547.1	12.317	17914.6	10.123	14723.5	10.546	13628.1	13.781	17808.6
Tamilnadu	25.056	41992.1	25.190	51122.4	24.227	49168.0	26.204	51991.8	23.569	47666.8
Rajasthan	7.627	5136.1	10.763	12590.0	9.492	11103.3	8.480	9815.1	9.294	13941.4
ALL INDIA	**44.271**	**59675.3**	**48.270**	**81627.0**	**43.842**	**74994.8**	**45.230**	**75435.0**	**46.644**	**79416.7**

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

TABLE 6.2 : STATEWISE PRODUCTION OF COAL AND ITS VALUE - BY SECTOR & CAPTIVE / NON-CAPTIVE UNITS DURING 2017-18

(Quantity in Million Tonnes and Value in Million Rupees)

Block	Sector	Quantity / Value	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Maharashtra	Meghalaya	Madhya Pradesh	Odisha	Telangana	Uttar Pradesh	West Bengal	ALL INDIA
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	**(15)**
NON CAPTIVE	Public	Prdn.	0.781	128.049	0.014	113.409	41.774		91.261	143.058	62.010	18.309	27.362	**626.027**
		Value	4312.4	104470.0	31.1	237315.9	69799.3		154768.6	129855.0	119131.3	23827.2	76925.2	**920436.0**
	Private	Prdn.				6.224		1.529						**7.753**
		Value				13012.35		5687.65						**18700.00**
	TOTAL	**Prdn.**	**0.781**	**128.049**	**0.014**	**119.633**	**41.774**	**1.529**	**91.261**	**143.058**	**62.010**	**18.309**	**27.362**	**633.780**
		Value	**4312.4**	**104470.0**	**31.1**	**250328.3**	**69799.3**	**5687.7**	**154768.6**	**129855.0**	**119131.3**	**23827.2**	**76925.2**	**939136.0**
CAPTIVE	Public	Prdn.		12.883		2.864								**15.747**
		Value		8302.1		3536.1								**11838.2**
	Private	Prdn.		1.614		0.800	0.445		20.866	0.270			1.878	**25.873**
		Value		2035.8		428.0	1093.5		19715.5	182.0			1295.7	**24750.5**
	TOTAL	**Prdn.**	**0.000**	**14.497**	**0.000**	**3.664**	**0.445**	**0.000**	**20.866**	**0.270**	**0.000**	**0.000**	**1.878**	**41.620**
		Value	**0.0**	**10338.0**	**0.0**	**3964.1**	**1093.5**	**0.0**	**19715.5**	**182.0**	**0.0**	**0.0**	**1295.7**	**36588.7**
TOTAL	**Public**	**Prdn.**	**0.781**	**140.932**	**0.014**	**116.273**	**41.774**	**0.000**	**91.261**	**143.058**	**62.010**	**18.309**	**27.362**	**641.774**
		Value	**4312.4**	**112772.2**	**31.1**	**240852.0**	**69799.3**	**0.0**	**154768.6**	**129855.0**	**119131.3**	**23827.2**	**76925.2**	**932274.2**
	Private	**Prdn.**	**0.000**	**1.614**	**0.000**	**7.024**	**0.445**	**1.529**	**20.866**	**0.270**	**0.000**	**0.000**	**1.878**	**33.626**
		Value	**0.0**	**2035.8**	**0.0**	**13440.4**	**1093.5**	**5687.7**	**19715.5**	**182.0**	**0.0**	**0.0**	**1295.7**	**43450.5**
	Total	**Prdn.**	**0.781**	**142.546**	**0.014**	**123.297**	**42.219**	**1.529**	**112.127**	**143.328**	**62.010**	**18.309**	**29.240**	**675.400**
		Value	**4312.4**	**114808.0**	**31.1**	**254292.4**	**70892.8**	**5687.7**	**174484.1**	**130037.0**	**119131.3**	**23827.2**	**78220.9**	**975724.7**

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

Table 6.3 : PITHEAD (RUN OF MINE) PRICE (RupeesTonne) 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 (RupeesTonne) 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 (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
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		
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		
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			
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

Source: Information provided by CIL

As per policy adopted by CIL, during ***2017-18*** , 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)	01-04-2013 to 31-03-2014			3110	2590	1910	1780			
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 (Raniganj)	01-04-2013 to 31-03-2014							2800	2330	
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	
BCCL (Specified)	01-04-2013 to 27-05-2013	4880	4080	3560	2570	1920	1780			
BCCL (Specified)	28-05-2013 to 31-03-2014	4880	4080	2890	2400	1770	1650			
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)	01-04-2013 to 31-03-2014			2630	2180	1610	1500			
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
CCL	01-04-2013 to 31-03-2014			2550	2110	1560	1460			
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			
WCL	01-04-2013 to 31-03-2014				2220	1830	1680			
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			
SECL	01-04-2013 to 31-03-2014							2260	1890	
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	

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

As per policy adopted by CIL, during ***2017-18*** , price of coking coal was notified by the respective subsidiary company and available in website.

Note: Direct Feed Grade has been introduced in 2017-18.

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
(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	4870	3450	3450	3288
G 3	Exceeding 6400 and not exceeding 6700	4420	3890	3890	3890	3890	3210	3210	3144
G 4	Exceeding 6100 and not exceeding 6400	3970	3490	3490	3490	3490	3000	3000	3000
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800	2750	2750	2737
G 6	Exceeding 5500 and not exceeding 5800	1740	1600	1600	1600	1600	1900	1900	2317
G 7	Exceeding 5200 and not exceeding 5500	1520	1400	1400	1400	1400	1600	1600	1926
G 8	Exceeding 4900 and not exceeding 5200	1370	1250	1250	1250	1250	1420	1420	1465
G 9	Exceeding 4600 and not exceeding 4900	1060	970	970	970	970	1100	1100	1140
G 10	Exceeding 4300 and not exceeding 4600	940	860	860	860	860	980	980	1024
G 11	Exceeding 4000 and not exceeding 4300	770	700	700	700	700	810	810	955
G 12	Exceeding 3700 and not exceeding 4000	720	660	660	660	660	760	760	886
G 13	Exceeding 3400 and not exceeding 3700	660	610	610	610	610	720	720	817
G 14	Exceeding 3100 and not exceeding 3400	600	550	550	550	550	650	650	748
G 15	Exceeding 2800 and not exceeding 3100	550	510	510	510	510	600	600	590
G 16	Exceeding 2500 and not exceeding 2800	490	450	450	450	450	530	530	504
G 17	Exceeding 2200 and not exceeding 2500	430	400	400	400	400	470	470	447

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

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

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

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

Grade of Coal	GCV Bands	Applicable to Sectors Other than Power Utilities (including IPPs), Fertiliser and Defence [Price- Rs./ Tonne]							
		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
(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	4870	3450	3450	3288
G 3	Exceeding 6400 and not exceeding 6700	4420	3890	3890	3890	3890	3210	3210	3144
G 4	Exceeding 6100 and not exceeding 6400	3970	3490	3490	3490	3490	3000	3000	3000
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800	2750	2750	2737
G 6	Exceeding 5500 and not exceeding 5800	2350	2150	2150	2150	2150	2280	2280	2524
G 7	Exceeding 5200 and not exceeding 5500	2050	1890	1890	1890	1890	1920	1920	2311
G 8	Exceeding 4900 and not exceeding 5200	1850	1690	1690	1690	1690	1700	1700	1757
G 9	Exceeding 4600 and not exceeding 4900	1430	1310	1310	1310	1310	1320	1320	1368
G 10	Exceeding 4300 and not exceeding 4600	1270	1160	1160	1160	1160	1180	1180	1228
G 11	Exceeding 4000 and not exceeding 4300	1040	950	950	950	950	970	970	1145
G 12	Exceeding 3700 and not exceeding 4000	970	890	890	890	890	910	910	1063
G 13	Exceeding 3400 and not exceeding 3700	890	820	820	820	820	860	860	980
G 14	Exceeding 3100 and not exceeding 3400	810	740	740	740	740	780	780	897
G 15	Exceeding 2800 and not exceeding 3100	740	680	680	680	680	720	720	708
G 16	Exceeding 2500 and not exceeding 2800	660	610	610	610	610	640	640	604
G 17	Exceeding 2200 and not exceeding 2500	580	540	540	540	540	570	570	536

* For GCV exceeding 7000 Kcal/ Kg, the price shall be increased by Rs. 150/-per tonne over and above the price applicable for GCV band exceeding 6700 but not exceeding 7000 cal/Kg, for increase in GCV by every 100 Kcal/ Kg or part thereof.

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

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

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

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

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

* For GCV exceeding 7000 Kcal/ Kg, the price shall be increased by Rs. 150/-per tonne over and above the price applicable for GCV band exceeding 6700 but not exceeding 7000 Kcal/Kg, for increase in GCV by every 100 Kcal/ Kg or part thereof.

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

Table 6.11: PIT HEAD (Run of Mines) PRICE (Rupees per Tonne) of Non-Coking Coal of Western Coalfields Ltd. (WCL)

(Applicable to Sectors Other than Power Utilities (including IPPs) and Defence Sector). [Price- Rs. /Tonne]

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

* For GCV exceeding 7000 Kcal/ Kg, the price shall be increased by Rs. 150/-per tonne over and above the price applicable for GCV band exceeding 6700 but not exceeding 7000 Kcal/Kg, for increase in GCV by every 100 Kcal/ Kg or part thereof.

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

Table 6.12 : PIT HEAD (RUN OF MINE) PRICE (Rupees per Tonne) OF THE SINGARENI COLLIERIES COMPANY LTD (Applicable to All Sectors)

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

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

Source : Information provided by SCCL

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

APPLICABLE FOR POWER UTILITY SECTOR

Grade of Coal	GCV RANGE	11-09-13 to	01-04-14 to	12-01-15 to	01-04-15 to	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
(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	4680
G 2	6701-7000	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480	4480
G 3	6401-6700	4390	4390	4390	4390	4390	4390	4390	4390	4390	4390	4390	4390
G 4	6101-6400	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340
G 5	5801-6100	4320	4320	4320	4320	4320	4320	3320	3320	3320	3520	3520	3700
G 6	5501-5800	2720	2720	3328	3328	3328	3328	3000	3000	3000	3200	3200	3600
G 7	5201-5500	2120	2120	2600	2600	2600	2600	2600	2600	2600	2800	2800	3100
G 8	4901-5200	1960	1960	2580	2580	2580	2580	2580	2580	2580	2600	2600	2900
G 9	4601-4900	1730	1730	1730	1730	1730	1730	1730	1730	1730	2030	2030	2330
G 10	4301-4600	1610	1610	1610	1610	1610	1610	1610	1610	1610	1900	1900	2200
G 11	4001-4300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1430	1430	1730
G 12	3701-4000	1050	1050	1050	1050	1050	1050	1050	1050	1050	1250	1250	1520
G 13	3401-3700	800	800	800	800	800	800	800	960	960	960	960	1160
G 14	3101-3400	710	710	710	710	710	710	710	710	710	710	710	1000
G 15	2801-3100	590	590	590	590	590	590	590	590	590	590	590	880
G 16	2501-2800	550	550	550	550	550	550	550	550	550	550	550	840
G 17	2201-2500	490	490	490	490	490	490	490	490	490	490	490	590

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	11-09-13 to 31-03-14	01-04-14 to 11-01-15	12-01-15 to 31-03-15	01-04-15 to 31-03-16	01-04-16 to 21-05-16	22-05-16 to 27-10-16	28-10-16 to 23-01-17	24-01-17 to 31-03-17	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
(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	4680
G 2	6701-7000	4480	4480	4480	4480	4480	4300	4300	4300	4300	4300	4300	4480
G 3	6401-6700	4390	4390	4390	4390	4390	3900	3900	3900	3900	3900	3900	4390
G 4	6101-6400	4340	4340	4340	4340	4340	3600	3600	3600	3600	3600	3600	4340
G 5	5801-6100	4320	4320	4320	4320	4320	3320	3320	3320	3320	3520	3520	3700
G 6	5501-5800	3310	3310	3328	3328	3328	3000	3000	3000	3000	3200	3200	3600
G 7	5201-5500	2580	2580	2600	2600	2600	2600	2600	2600	2600	2800	2800	3100
G 8	4901-5200	2550	2550	2580	2580	2580	2580	2580	2580	2580	2600	2600	2900
G 9	4601-4900	2250	2250	2280	2280	2280	2280	2280	2280	2280	2500	2500	2800
G 10	4301-4600	2100	2100	2130	2130	2130	2130	2130	2130	2130	2340	2340	2660
G 11	4001-4300	1700	1700	1725	1725	1725	1725	1725	1725	1725	1900	1900	2150
G 12	3701-4000	1370	1370	1395	1395	1395	1395	1395	1395	1395	1500	1500	1900
G 13	3401-3700	1040	1040	1065	1065	1065	1065	1065	1065	1065	1200	1200	1500
G 14	3101-3400	920	920	945	945	945	945	945	945	945	945	945	1300
G 15	2801-3100	770	770	795	795	795	795	795	795	795	795	795	1000
G 16	2501-2800	620	620	635	635	635	635	635	635	635	635	635	840
G 17	2201-2500	550	550	486	486	486	486	486	486	486	486	490	590

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

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

Section VII

7.1 : Import & Export

7.1. 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 2017-18, import of coal by India was 208.249 MT against import of 190.953 MT in 2016-17, thus import Increased by 9.06% over 2016-17. Import of coal, both in quantity and value is shown in Statement 7.1 below.

Statement 7.1: Import of Coal to India in 2017-18

Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	47.004	595226
Non-Coking	161.245	789543
Total	**208.249**	**1384769**

It may be seen that the share of coking coal in the total quantity was 22.57% but it accounted for 42.98% of the total value of import.

7.4 Statement 7.2 shows country wise import of coal in India in 2017-18. It can be seen that Indonesia with 46.01% share remained the leading supplier followed by Australia 22.15% and South Africa 18.48%. These three countries together accounted for 86.64% share in the country's import in 2017-18.

Statement 7.2: Source Country-Wise Import of Coal by India during 2017-18

Country	Quantity [MT]	Share
Indonesia	95.814	46.01%
Australia	46.121	22.15%
South Africa	38.493	18.48%
U S A	12.032	5.78%
Mozambique	5.914	2.84%
Russia	4.297	2.06%
Canada	3.562	1.71%
New Zealand	0.602	0.29%
Colombia	0.331	0.16%
Chile	0.273	0.13%
China P Rp	0.231	0.11%
Vietnam Soc Rep	0.210	0.10%
Others	0.369	0.18%
Total	**208.249**	**100%**

7.5 The break-up of source country wise import for coking and non-coking coal during 2017-18 is given in statement 7.3 and statement 7.4 respectively.

Statement 7.3 Source Country-Wise Import of Coking Coal by India during 2017-18		
Country	Quantity [MT]	Share
Australia	35.761	76.08%
Canada	3.301	7.02%
U S A	3.285	6.99%
Mozambique	2.382	5.07%
Indonesia	1.086	2.31%
New Zealand	0.602	1.28%
Russia	0.389	0.83%
Others	0.198	0.42%
Total	**47.004**	**100%**

Statement 7.4 Source Country-Wise Import of Non-Coking Coal to India during 2017-18		
Country	Quantity [MT]	Share
Indonesia	94.728	58.75%
South Africa	38.489	23.87%
Australia	10.361	6.43%
U S A	8.746	5.42%
Russia	3.909	2.42%
Mozambique	3.532	2.19%
Colombia	0.331	0.21%
Others	1.149	0.71%
Total	**161.245**	**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 7.5.

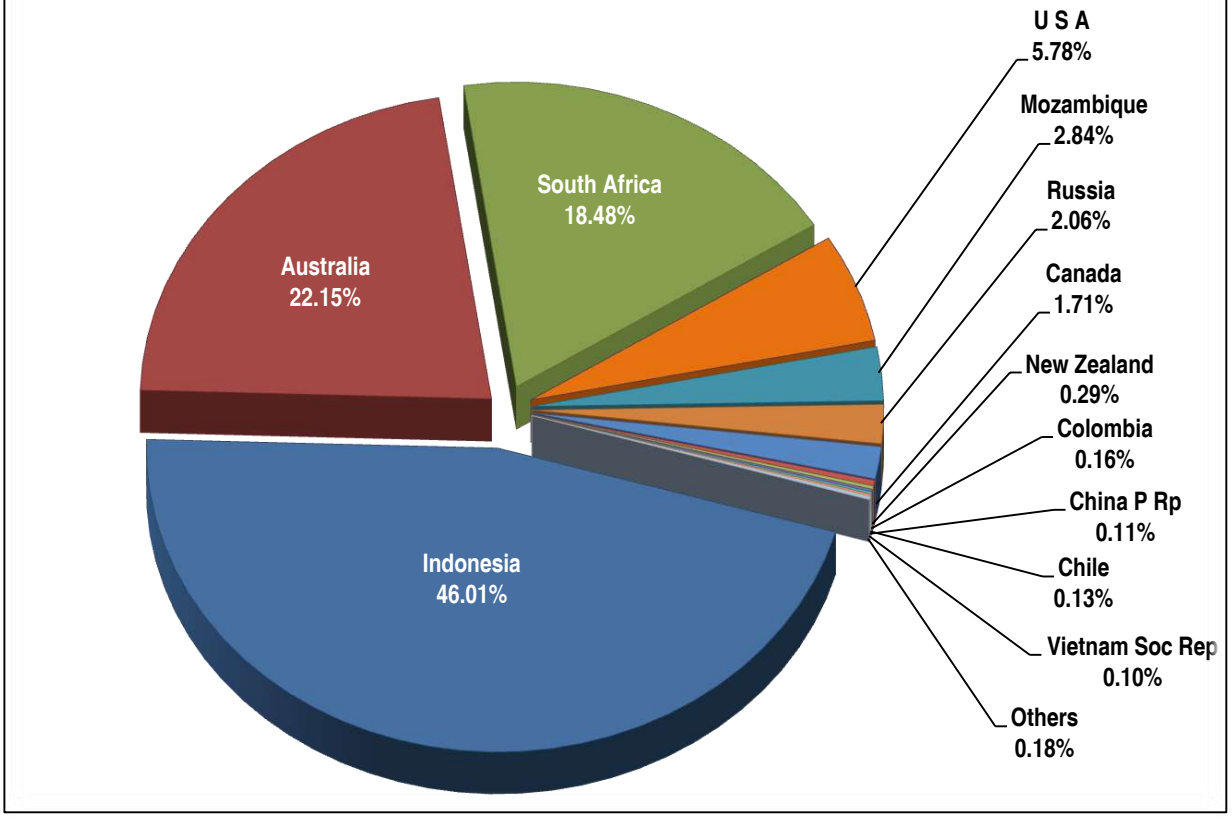
Statement 7.5: Demand, Production and Import of Coal in India in last five years [MT]			
Year	Demand *	Production	Import
2013-14	769.690	565.765	166.857
2014-15	787.030	609.179	217.783
2015-16	910.000	639.230	203.949
2016-17	884.870	657.868	190.953
2017-18	908.400	675.400	208.249

* Source: Annual Plan, MOC

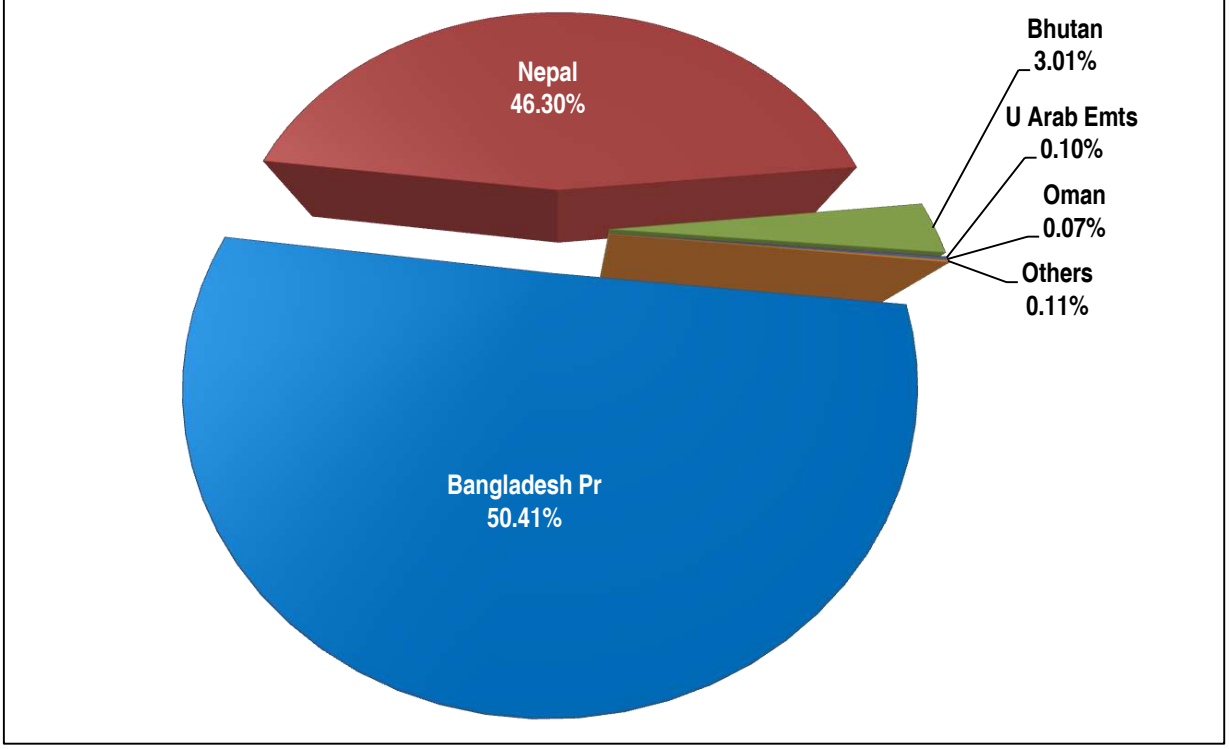
7.7 Export of Coal: Although, there is short supply of coal in India compared to its demand and it has to resort to import of coal, India do export some quantity of coal to its neighbouring countries. In 2017-18, the export of coal was 1.504 MT and mainly exported to Bangladesh and Nepal, respective share was 50.41% and 46.30%. Out of the export, share of coking coal was 0.068 MT and that was exported to Nepal. Export to other countries was totally negligible.

Statement 7.6: Export of Coal from India by destination countries during 2017-18		
Country	Quantity [MT]	Share
Bangladesh Pr	0.758	50.41%
Nepal	0.696	46.30%
Bhutan	0.045	2.99%
U Arab Emts	0.002	0.13%
Oman	0.001	0.07%
Others	0.002	0.13%
Total	**1.504**	**100**%

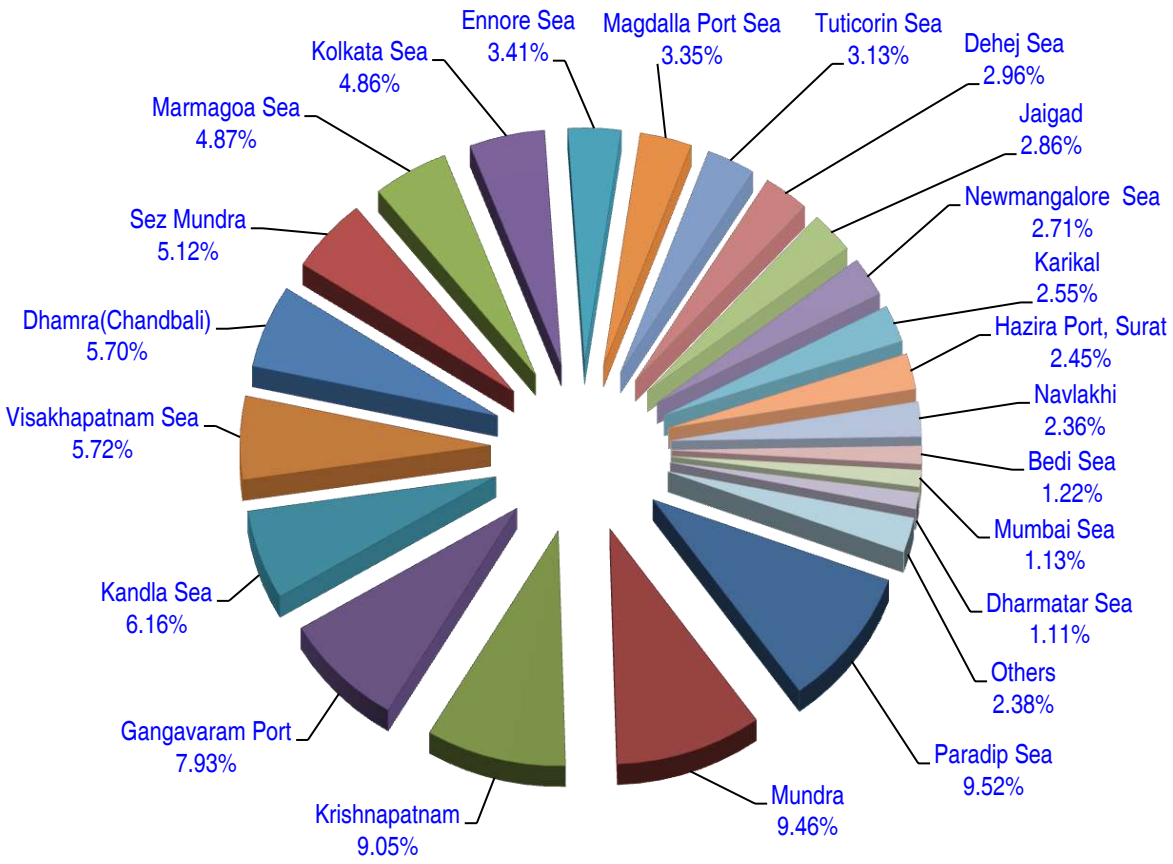
Ch.7.1: SHARE OF COUNTRY WISE IMPORT OF COAL IN 2017-18



Ch.7.2: SHARE OF COUNTRY WISE EXPORT OF COAL IN 2017-18



Ch.7.3 : SHARE OF PORT WISE IMPORT OF COAL IN 2017-18



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

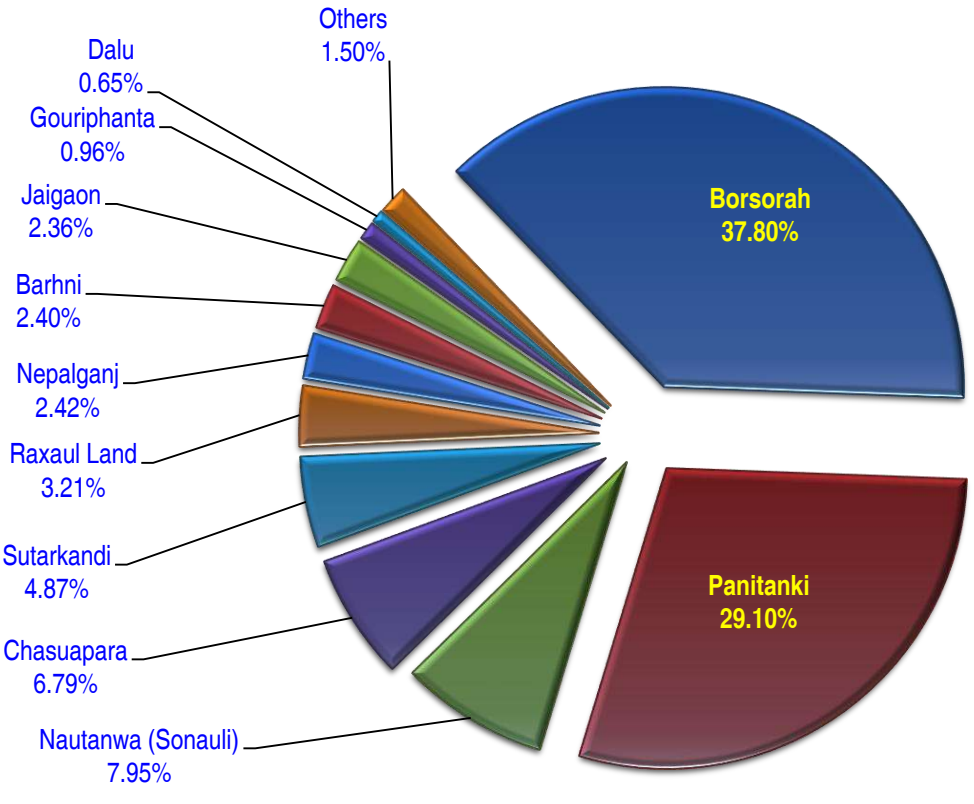


TABLE 7.1 : YEAR WISE IMPORT OF COAL AND COKE TO INDIA DURING LAST TEN YEARS

(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)
2008-09	21.080	226140.12	37.923	187268.24	**59.003**	**413408.35**	1.881	46050.69		
2009-10	24.690	201311.00	48.565	190489.00	**73.255**	**391800.00**	2.355	33311.00		
2010-11	19.484	208620.70	49.434	206875.09	**68.918**	**415495.80**	1.490	31203.55		
2011-12	31.801	424692.34	71.052	363683.49	**102.853**	**788375.83**	2.365	47584.54		
2012-13	35.557	378398.09	110.228	490056.94	**145.785**	**868455.02**	3.081	56918.82	0.0006	10.22
2013-14	36.872	348318.65	129.985	574973.16	**166.857**	**923291.81**	4.171	67994.89	0.0013	23.73
2014-15	43.715	337655.59	174.068	707410.50	**217.783**	**1045066.09**	3.294	43806.15	0.0006	17.03
2015-16	44.561	282519.09	159.388	577818.53	**203.949**	**860337.62**	3.072	32683.54	0.0010	14.83
2016-17	41.644	412300.61	149.309	590013.33	**190.953**	**1002313.94**	4.346	54019.35	0.0191	433.29
2017-18	47.004	595226.36	161.245	789543.41	**208.249**	**1384769.77**	4.585	91524.74	0.0104	116.50

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)
2008-09	0.109	244.96	1.546	3239.60	**1.655**	**3484.56**	1.338	7246.43		
2009-10	0.270	695.53	2.180	4346.64	**2.450**	**5042.17**	0.129	2080.04		
2010-11	0.111	265.00	1.764	4544.27	**1.875**	**4809.27**	0.729	11646.64		
2011-12	0.097	286.72	1.917	5525.35	**2.015**	**5812.07**	0.613	11524.78		
2012-13	0.056	302.18	2.387	8349.02	**2.443**	**8651.19**	1.201	6017.15	0.0691	360.27
2013-14	0.008	34.94	2.180	10805.12	**2.188**	**10840.07**	0.154	1521.38	0.0019	61.13
2014-15	0.042	413.03	1.196	6784.24	**1.238**	**7197.27**	0.102	1140.32	0.0028	39.81
2015-16	0.064	650.37	1.511	8348.06	**1.575**	**8998.43**	0.149	1493.51	0.0005	8.73
2016-17	0.027	114.53	1.746	9554.72	**1.773**	**9669.25**	0.089	1063.43	0.0054	305.12
2017-18	0.068	394.41	1.436	8388.62	**1.504**	**8783.03**	0.107	1726.21	0.0044	292.56

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 2017-18

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

Country	Coking Coal		Non Coking Coal		**Total Coal**		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	**Quantity**	**Value**	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Australia	35.761	449536.09	10.361	88708.38	**46.121**	**538244.476**	0.4907	9527.74		
Austria	0.016	301.85			**0.016**	**301.85**				
Canada	3.301	40391.05	0.261	2299.48	**3.562**	**42690.53**		0.10		
Chile			0.273	1004.90	**0.273**	**1004.90**	0.0271	320.80		
China P Rp	0.172	2981.87	0.059	952.62	**0.231**	**3934.49**	1.8282	37484.69	0.00039	4.72
Colombia			0.331	1946.76	**0.331**	**1946.76**	0.5805	9416.43		
Denmark				0.02	**0.000**	**0.02**				
Egypt A Rp					**0.000**	**0.00**	0.1027	2187.43	0.01000	111.22
Estonia					**0.000**	**0.00**	0.0000	0.42		
Finland			0.023	197.58	**0.023**	**197.58**	0.0001	1.18		
Germany			0.000	0.72	**0.000**	**0.72**	0.0002	3.19		
Indonesia	1.086	13482.15	94.728	387509.71	**95.814**	**400991.86**				
Iran	0.000	0.22			**0.000**	**0.22**	0.0020	37.68		
Ireland					**0.000**	**0.00**	0.0001	1.26		
Italy					**0.000**	**0.00**		0.03		
Japan					**0.000**	**0.00**	0.6043	12506.61		
Korea Rp					**0.000**	**0.00**	0.0163	400.07		
Kuwait			0.000	1.65	**0.000**	**1.65**				
Latvia			0.164	1482.56	**0.164**	**1482.56**	0.0037	53.50		
Lithuania					**0.000**	**0.00**	0.0008	14.02		
Malaysia					**0.000**	**0.00**	0.0001	1.81		
Mexico					**0.000**	**0.00**	0.0493	918.64		
Mozambique	2.382	28465.59	3.532	20219.56	**5.914**	**48685.16**				
Netherland			0.000	5.80	**0.000**	**5.80**	0.0000	0.21		
New Zealand	0.602	7543.39			**0.602**	**7543.39**				
Philippines			0.094	414.19	**0.094**	**414.19**				
Poland					**0.000**	**0.00**	0.7295	15543.11		
Russia	0.389	3522.10	3.909	30468.98	**4.297**	**33991.08**	0.1368	2996.06		
Saudi Arab					**0.000**	**0.00**	0.0008	10.19		
South Africa	0.004	71.22	38.489	196970.75	**38.493**	**197041.97**				
Spain			0.000	4.23	**0.000**	**4.23**	0.0003	7.62		
Thailand			0.005	32.27	**0.005**	**32.27**				
U K	0.002	46.11	0.001	17.63	**0.003**	**63.75**	0.0003	7.06		
U S A	3.285	48848.60	8.746	54701.58	**12.032**	**103550.18**	0.0109	84.61	0.00002	0.56
Vietnam Soc Rep			0.210	2378.74	**0.210**	**2378.74**	0.0000	0.30		
Unspecified	0.004	36.11	0.060	225.29	**0.064**	**261.40**				
TOTAL	**47.004**	**595226.36**	**161.245**	**789543.41**	**208.249**	**1384769.77**	**4.5848**	**91524.74**	**0.01041**	**116.50**

Source: DGCI & S , KOLKATA

TABLE 7.4 : DESTINATION COUNTRY-WISE EXPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2017-18

(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**			0.00005	6.42
Australia			0.00010	0.46	**0.00010**	**0.46**				
Azerbaijan					**0.00000**	**0.00**			0.00008	11.49
Baharain Is			0.00002	1.53	**0.00002**	**1.53**				
Bangladesh Pr			0.75805	3214.40	**0.75805**	**3214.40**	0.00088	13.34		
Bhutan	0.00009	1.06	0.04512	513.98	**0.04521**	**515.04**	0.05449	1241.90	0.00073	19.62
Brunei					**0.00000**	**0.00**			0.00002	2.29
China P Rp				0.01	**0.00000**	**0.01**				
Egypt A Rp			0.00000	0.03	**0.00000**	**0.03**				
Germany				0.00	**0.00000**	**0.00**				
Ghana					**0.00000**	**0.00**	0.00003	0.42		
Greece			0.00002	0.44	**0.00002**	**0.44**				
Indonesia					**0.00000**	**0.00**	0.00003	0.67	0.00003	4.62
Jordan			0.00002	0.37	**0.00002**	**0.37**	0.00034	9.69		
Kenya			0.00000	0.13	**0.00000**	**0.13**	0.00002	0.28		
Kuwait			0.00000	0.05	**0.00000**	**0.05**				
Malaysia			0.00006	1.52	**0.00006**	**1.52**			0.00005	6.85
Maldives			0.00000	0.02	**0.00000**	**0.02**				
Mauritius			0.00001	0.15	**0.00001**	**0.15**				
Mexico					**0.00000**	**0.00**			0.00006	9.12
Mozambique			0.00000	0.02	**0.00000**	**0.02**				
Myanmar					**0.00000**	**0.00**			0.00020	6.60
Nepal	0.06782	393.35	0.62832	4595.21	**0.69614**	**4988.55**	0.04506	315.88	0.00126	6.98
Netherland					**0.00000**	**0.00**			0.00005	6.85
Nigeria			0.00017	2.23	**0.00017**	**2.23**	0.00008	1.19		
Oman			0.00100	12.34	**0.00100**	**12.34**	0.00127	22.99	0.00045	64.01
Pakistan Ir					**0.00000**	**0.00**	0.00389	89.67	0.00021	5.74
Philippines			0.00035	10.80	**0.00035**	**10.80**				
Qatar			0.00003	1.09	**0.00003**	**1.09**				
Russia					**0.00000**	**0.00**			0.00018	28.90
Saudi Arab			0.00008	1.71	**0.00008**	**1.71**	0.00054	13.76	0.00068	76.18
Singapore			0.00000	0.04	**0.00000**	**0.04**			0.00008	12.06
South Africa				0.00	**0.00000**	**0.00**	0.00016	5.24		
Sri Lanka Dsr					**0.00000**	**0.00**	0.00027	7.72	0.00010	2.30
Sudan				0.01	**0.00000**	**0.01**	0.00010	2.05		
Thailand				0.00	**0.00000**	**0.00**		0.01		
U Arab Emts			0.00157	28.27	**0.00157**	**28.27**	0.00008	1.40	0.00007	7.64
U S A					**0.00000**	**0.00**			0.00011	14.41
Vietnam Soc Rep					**0.00000**	**0.00**			0.00000	0.47
Unspecified			0.00082	3.82	**0.00082**	**3.82**				
TOTAL	**0.06791**	**394.41**	**1.43575**	**8388.62**	1.50365	8783.03	**0.10725**	**1726.21**	**0.00441**	**292.56**

Source: DGCI & S , KOLKATA

TABLE 7.5 : PORT WISE IMPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2017-18

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

Port	Coking Coal		Non Coking Coal		**Total Coal**		Coke & Others Coal		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**			0.000001	0.06
Appiic Multi Prod Sez Vizag Dc			0.09178	394.42	**0.09178**	**394.42**	0.04556	838.11		
Bangalore Airport			0.00000	0.01	**0.00000**	**0.01**		0.01		
Bedi Sea			2.53538	10011.48	**2.53538**	**10011.48**				
Bhavnagar			0.41366	1979.46	**0.41366**	**1979.46**				
Cfs Patparganj					**0.00000**	**0.00**	0.00000	0.04		
Chennai Air				0.02	**0.00000**	**0.02**				
Chennai Sea	0.00118	29.78	0.02187	522.24	**0.02304**	**552.02**	0.01094	253.43	0.000263	3.55
Cochin Sea			0.04402	164.29	**0.04402**	**164.29**	0.00015	2.86		
Dehej Sea			6.16998	28095.40	**6.16998**	**28095.40**				
Delhi Air				0.08	**0.00000**	**0.08**				
Dhahanu Sea			0.36486	1789.39	**0.36486**	**1789.39**				
Dhamra(Chandbali)	6.38739	82844.74	5.47846	36377.72	**11.86586**	**119222.46**				
Dharmatar Sea			2.30675	9764.57	**2.30675**	**9764.57**	0.26178	6009.03		
Dighi Port Mumbai			0.11961	606.37	**0.11961**	**606.37**				
Ennore Sea	0.17794	2743.04	6.92778	27367.71	**7.10572**	**30110.76**				
Gangavaram Port	5.41169	71311.14	11.09324	54811.31	**16.50493**	**126122.45**				
Hazira Port, Surat	0.00065	16.33	5.10420	21216.39	**5.10485**	**21232.72**				
Hetero Infra Sez Nakkapalli Ap			0.01000	23.30	**0.01000**	**23.30**				
Hyderabad Airport	0.00000	0.03			**0.00000**	**0.03**	0.00000	0.08		
Icd Bangalore					**0.00000**	**0.00**	0.00003	0.42		
Icd Bhusawal					**0.00000**	**0.00**	0.00344	48.77		
Icd Durgapur, Wb			0.01035	268.99	**0.01035**	**268.99**				
Icd Nagpur			0.00070	19.83	**0.00070**	**19.83**				
Icd Raipur			0.00082	21.13	**0.00082**	**21.13**				
Icd Rewari					**0.00000**	**0.00**	0.00012	2.08		
Icd Sabarmati					**0.00000**	**0.00**	0.00002	0.59		
Icd Sahnewal, Grfl			0.00005	0.90	**0.00005**	**0.90**				
Icd Tondiar-Pet Chennai			0.00010	2.10	**0.00010**	**2.10**				
Jabilant Infra Ltd Kandla			0.03600	121.29	**0.03600**	**121.29**				
Jaigad	1.63321	21038.18	4.31355	21321.22	**5.94676**	**42359.40**	0.16766	3352.89		
Jaigaon	0.00025	1.51	0.00023	1.63	**0.00048**	**3.13**				
Jakhav			0.16891	842.45	**0.16891**	**842.45**				
Kakinada Sea			0.73930	3133.11	**0.73930**	**3133.11**				
Kandla Sea	0.57249	7255.41	12.25284	64792.38	**12.82533**	**72047.79**	0.02448	509.90		
Karikal	0.59855	7954.39	4.71674	22171.05	**5.31529**	**30125.44**				
Kattupalli Port/ Tiruvallur			0.00026	5.33	**0.00026**	**5.33**				
Kodinar Sea			0.29552	1569.36	**0.29552**	**1569.36**				
Kolkata Air	0.00000	0.04	0.00000	1.19	**0.00001**	**1.23**				
Kolkata Sea	6.62767	86875.20	3.48393	22697.51	**10.11159**	**109572.71**	0.49015	9888.64		
Krishnapatnam	2.12132	26402.90	16.72365	76424.14	**18.84498**	**102827.04**	0.84240	18385.69		
Magdalla Port Sea	0.84626	8184.17	6.13168	30475.90	**6.97794**	**38660.07**	1.13650	23389.04		
Mangalore Sez			0.01600	69.58	**0.01600**	**69.58**				
Marmagoa Sea	5.67463	66443.20	4.47240	30660.54	**10.14703**	**97103.74**	0.16048	3300.07		
Muldwarka			0.03350	137.80	**0.03350**	**137.80**				
Mumbai Air		0.24	0.00002	1.40	**0.00002**	**1.63**		0.21		
Mumbai Sea			2.35593	12151.49	**2.35593**	**12151.49**				
Mundra	0.96743	10847.11	18.73060	89538.66	**19.69802**	**100385.77**	0.00195	27.73		
Navlakhi			4.91760	22088.40	**4.91760**	**22088.40**				
Newmangalore Sea	0.15866	2308.65	5.48165	29404.39	**5.64031**	**31713.04**	0.39772	8198.18		
Nhava Sheva Sea			0.00187	55.65	**0.00187**	**55.65**	0.00137	25.10	0.000114	1.28
Okha	0.21148	2320.93	0.52519	2902.78	**0.73668**	**5223.71**				
Paradip Sea	10.06826	127738.85	9.75514	56713.59	**19.82339**	**184452.44**	0.63914	10683.71		
Pipavab(Vicyor)	0.03720	454.27	0.65942	3771.76	**0.69662**	**4226.04**	0.00916	108.51	0.010000	111.22
Porbandar			0.28831	1596.07	**0.28831**	**1596.07**				
Ramki Pharma City (India) Pvt			0.00500	12.86	**0.00500**	**12.86**				
Ranpar			0.11460	426.91	**0.11460**	**426.91**				
Revdanda			0.72732	3380.04	**0.72732**	**3380.04**				
Saraf Agencies Pvt Ltd			0.00300	27.34	**0.00300**	**27.34**				
Sez Dahej			0.01750	78.59	**0.01750**	**78.59**				
Sez Mundra			10.65313	43740.36	**10.65313**	**43740.36**				
Tuticorin Sea			6.52023	25835.00	**6.52023**	**25835.00**	0.00554	204.21		
Visakhapatnam Sea	5.50701	70456.25	6.41080	29956.52	**11.91781**	**100412.77**	0.38619	6295.43	0.000027	0.40
Unspecified					**0.00000**	**0.00**				
TOTAL	**47.00425**	**595226.36**	**161.24542**	**789543.41**	**208.24866**	**1384769.77**	**4.58478**	**91524.74**	**0.010405**	**116.50**

Source: DGCI & S , KOLKATA

TABLE 7.6 : PORT WISE EXPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2017-18

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

Port	Coking Coal		Non-Coking Coal		**Total Coal**		Coke & Coal Products		Lignite	
	Quantity	Value	Quantity	Value	**Quantity**	**Value**	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	**(6)**	**(7)**	(8)	(9)	(10)	(11)
Bairgania			0.00009	0.68	**0.00009**	**0.68**				
Bangalore Airport					**0.00000**	**0.00**		0.00		
Barhni	0.00009	0.86	0.03603	315.02	**0.03612**	**315.87**	0.01335	111.09	0.00006	0.34
Borsorah			0.56843	2339.77	**0.56843**	**2339.77**				
Chasuapara			0.10203	485.95	**0.10203**	**485.95**				
Chengrabandha Rly Station			0.00010	0.63	**0.00010**	**0.63**				
Chennai Air					**0.00000**	**0.00**		0.00		
Chennai Sea			0.00000	0.02	**0.00000**	**0.02**			0.00002	0.17
Dalu			0.00971	45.29	**0.00971**	**45.29**				
Delhi (Icd)			0.00001	0.20	**0.00001**	**0.20**				
Ghajadanga			0.00004	0.17	**0.00004**	**0.17**				
Golokgans Rly.Stn			0.00522	23.88	**0.00522**	**23.88**				
Gouriphanta			0.01443	108.20	**0.01443**	**108.20**				
Hatisar (Deosiri)			0.00318	30.01	**0.00318**	**30.01**				
Icd Durgapur, Wb					**0.00000**	**0.00**	0.00003	0.42		
Icd Hyderabad			0.00001	0.44	**0.00001**	**0.44**				
Icd Ludhiana				0.01	**0.00000**	**0.01**				
Icd Nagpur			0.00005	1.39	**0.00005**	**1.39**				
Icd Sahnewal, Grfl			0.00000	0.03	**0.00000**	**0.03**				
Icd Tuticorin					**0.00000**	**0.00**	0.00000	0.02		
Icd Vadodara/Baroda			0.00000	0.12	**0.00000**	**0.12**				
Jaigaon	0.00009	1.06	0.03536	428.57	**0.03545**	**429.63**	0.05449	1241.90	0.00073	19.62
Jogbani	0.00078	3.39	0.00206	13.30	**0.00284**	**16.69**	0.00083	7.39		
Joynagar			0.00029	1.86	**0.00029**	**1.86**				
Kattupalli Port/ Tiruvallur			0.00000	0.26	**0.00000**	**0.26**				
Kolkata Air				0.01	**0.00000**	**0.01**				
Kolkata Sea			0.00002	0.87	**0.00002**	**0.87**	0.00016	5.24		
Lcs Birpara Alipurduar			0.00658	55.40	**0.00658**	**55.40**				
Mahindra World City (Jaipur)			0.00000	0.02	**0.00000**	**0.02**				
Mankachar			0.00020	0.78	**0.00020**	**0.78**				
Mumbai Air				0.00	**0.00000**	**0.00**				
Mundra			0.00186	33.00	**0.00186**	**33.00**	0.00527	125.21	0.00220	249.66
Nautanwa (Sonauli)	0.06683	388.32	0.05271	398.40	**0.11954**	**786.72**	0.00365	28.36	0.00017	0.53
Nepalganj			0.03637	275.94	**0.03637**	**275.94**	0.00357	34.17		
Nhava Sheva Sea			0.00039	13.17	**0.00039**	**13.17**	0.00008	1.21	0.00020	16.13
Panitanki			0.43760	3199.96	**0.43760**	**3199.96**	0.00834	51.28	0.00103	6.10
Petrapole Land			0.00001	0.50	**0.00001**	**0.50**	0.00088	13.34		
Raxaul Land	0.00012	0.77	0.04812	277.45	**0.04824**	**278.22**	0.01532	83.60		
Sonbarsa			0.00026	1.19	**0.00026**	**1.19**				
Sutarkandi			0.07320	320.84	**0.07320**	**320.84**				
Toothibari, Maharajganj			0.00039	3.22	**0.00039**	**3.22**				
Visakhapatnam Sea			0.00100	12.11	**0.00100**	**12.11**	0.00127	22.99		
Unspecified					**0.00000**	**0.00**				
TOTAL	**0.06791**	**394.41**	**1.43575**	**8388.62**	**1.50365**	**8783.03**	**0.10725**	**1726.21**	**0.00441**	**292.56**

Source: DGCI & S , KOLKATA

Section VIII

Coal Consumption – A Sectoral Perspective

8.1 Consumption of Coal in India

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

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

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

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

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

8.1.6 Table 8.1 provides data on stock, receipt and consumption of indigenous and imported coking coal in integrated steel plants in the country. In 2017-18, the consumption of indigenous coking coal was 5.329 MT and that of imported coking coal was 20.059 MT. The corresponding figures for 2016-17 were 6.648 MT and 21.534 MT respectively. In 2017-18, in case of indigenous coking coal used by integrated steel plants, TISCO accounted for the consumption of 2.795 MT followed by SAIL 2.094 MT and 0.440 MT by VSP. In case of consumption of imported coking coal in 2017-18, consumption by SAIL 12.072 MT, TISCO 3.982 MT and VSP 4.005 MT.

8.1.7 Table 8.2 provides data on trend of consumption of coking coal by type. It also provides hot metal production and blend ratio.

8.2 Contribution of coal washeries

8.2.1 We have already explained the role of washeries in coal industry. Table 8.3 provides data on coking coal washeries in India in 2017-18. It may be seen that the total capacity of the coking coal washeries was 32.49 MTA. The share of public sector was 24.70 MTA and private sector 7.79 MTA.

8.2.2 Table 8.4 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 2015-16, 2016-17 and 2017-18 having washed coking coal production of 6.179 MT, 6.413 MT and 5.973 MT respectively. The corresponding

yield percentages were 43%, 46% and 48% respectively.

8.2.3 Table 8.5 provides details of non-coking coal washeries in public sector and private sector and their installed capacities. Table 8.6 records the performance of these washeries for last three years.

8.3 Power Generation Capacity

8.3.1 Table 8.7 shows the details of installed power generating capacity at all India level in 2017-18. It can be seen that the total power generating capacity has increased from 147965 MW as on 31.03.2009 to 344002 MW as on 31.03.2018. In total power generating capacity as on 31-03-2018, mode wise share was thermal power 222907 MW, hydro power 45293 MW, renewable energy sources 69022 MW and nuclear power 6780 MW.

8.3.2 Table 8.8 shows the gross electricity generation by prime movers for last ten years. It may be seen that the total gross electricity generation in 2017-18 was 1303455 MKwH.

8.4 Cement

8.4.1: Table 8.9 provides further details on cement and clinker capacity, production and capacity utilization in the country from the year 2001-02 to 2011-12. However, due to non-availability of data as a whole from Cement Manufacturer's Association of India since 2012-13, like previous years, state wise details of production, capacity etc. could not be incorporated since 2012-13.

8.4.2 Table 8.10 provides details of consumption of coal and fuel in cement sector for the period 2002-03 to 2017-18. As per information available from the Cement Manufacturer's Association of India, it may be observed that in 2017-18, the total consumption of coal (including lignite) in cement sector was 20.55 MT in the form of coal for kilns 8.88 MT, lignite 0.77 MT and pet coke 10.90 MT. The consumption by captive power plant in cement industry was 7.01 MT. However, information regarding the total cement production and the total consumption of coal etc. of the country was not available from the Cement Manufacturer's Associationof India. This organization could provide data only in respect of its member companies. Thus data at all India level was not available. The total receipt of coal including imported coal for cement manufacturing was 16.77 MT.

8.5 Some Key indicators for 2017-18

Installed Capacity of Coal Based Power Plants (Utilities) as on 31.03.2018	197172 MW
Electricity generation from coal based power plants in 2017-18 (Utilities)	986591 MKwH
Installed capacity of Coking Coal Washeries in 2017-18	32.49 MTA
Production of Washed Coking Coal in 2017-18	5.973 MT
Installed capacity of Non-coking Coal Washeries in 2017-18	105.24 MT
Production of Washed Non-coking Coal in 2017-18	37.801 MT

TABLE - 8.1: STOCK, RECEIPT & CONSUMPTION OF INDIGENOUS & IMPORTED COKING COAL IN INTEGRATED STEEL PLANTS

('000' Tonnes)

PLANT	ITEM	2017-18						2016-17					
		Indigenous			Imported	Total Coking	Boiler Coal	Indigenous			Imported	Total Coking	Boiler Coal
		Prime	Medium	**Total**				Prime	Medium	**Total**			
BHILAI	Opn. Stock	20	26	**46**	85	**131**	33	45	11	**56**	85	**141**	32
(B.S.P.)	Receipt	320	162	**482**	3629	**4111**	416	593	391	**984**	3790	**4774**	321
	Consumption	310	165	**475**	3793	**4268**	400	664	412	**1076**	3767	**4843**	306
	Cls. Stock	33	20	**53**	104	**157**	50	19	26	**45**	86	**131**	33
ROURKELA	Opn. Stock	10	10	**20**	45	**65**	62	15	4	**19**	73	**92**	110
(R.S.P.)	Receipt	273	162	**435**	2381	**2816**	1163	237	105	**342**	2599	**2941**	1213
	Consumption	273	165	**438**	2323	**2761**	1183	261	99	**360**	2626	**2986**	1260
	Cls. Stock	12	7	**19**	102	**121**	44	10	10	**20**	45	**65**	622
DURGAPUR	Opn. Stock	5	7	**12**	23	**35**	32	8	2	**10**	36	**46**	34
(D.S.P.)	Receipt	235	83	**318**	1620	**1938**	712	334	94	**428**	1556	**1984**	713
	Consumption	219	95	**314**	1615	**1929**	784	315	113	**428**	1610	**2038**	755
	Cls. Stock	18	1	**19**	44	**63**	30	5	7	**12**	23	**35**	32
BOKARO	Opn. Stock	15	16	**31**	65	**96**	23	46	5	**51**	61	**112**	103
(B.S.L)	Receipt	473	262	**735**	2580	**3315**	1717	478	253	**731**	2371	**3102**	1854
	Consumption	432	245	**677**	2795	**3472**	1682	459	265	**724**	2532	**3256**	1929
	Cls. Stock	16	23	**39**	73	**112**	74	15	31	**46**	65	**111**	23
I.S.P.	Opn. Stock	11	2	**13**	42	**55**	6	19	0	**19**	40	**59**	2
	Receipt	169	11	**180**	1447	**1627**	28	250	7	**257**	1438	**1695**	45
	Consumption	177	13	**190**	1546	**1736**	48	262	7	**269**	1521	**1790**	62
	Cls. Stock	12	0	**12**	65	**77**	2	11	1	**12**	42	**54**	5
	Opn. Stock	**61**	**61**	**122**	**260**	**382**	**156**	**133**	**22**	**155**	**295**	**450**	**281**
S A I L	**Receipt**	**1470**	**680**	**2150**	**11657**	**13807**	**4036**	**1892**	**850**	**2742**	**11754**	**14496**	**4146**
T O T A L	**Consumption**	**1411**	**683**	**2094**	**12072**	**14166**	**4097**	**1961**	**896**	**2857**	**12056**	**14913**	**4312**
	Cls. Stock	**91**	**51**	**142**	**388**	**530**	**200**	**60**	**75**	**135**	**261**	**396**	**715**
T.I.S.CO.	Opn. Stock	-	-	**225**	878	**1103**	-	-	-	**0**	986	**986**	-
	Receipt	-	-	**2737**	4262	**6999**	-	-	-	**3181**	5751	**8932**	-
	Consumption	-	-	**2795**	3982	**6777**	-	-	-	**3295**	5548	**8843**	-
	Cls. Stock	-	-	**167**	1158	**1325**	-	-	-	**215**	1126	**1341**	-
V.S.P.	Opn. Stock	0	45	**45**	340	**385**	98	0	196	**196**	458	**654**	193
	Receipt	0	490	**490**	3947	**4437**	1835	0	345	**345**	3811	**4156**	1755
	Consumption	0	440	**440**	4005	**4445**	1851	0	496	**496**	3930	**4426**	1850
	Cls. Stock	0	95	**95**	282	**377**	82	0	45	**45**	340	**385**	98
G R A N D	**Opn. Stock**	**61**	**106**	**392**	**1478**	**1870**	**254**	**133**	**218**	**351**	**1739**	**2090**	**474**
T O T A L	**Receipt**	**1470**	**1170**	**5377**	**19866**	**25243**	**5871**	**1892**	**1195**	**6268**	**21316**	**27584**	**5901**
	Consumption	**1411**	**1123**	**5329**	**20059**	**25388**	**5948**	**1961**	**1392**	**6648**	**21534**	**28182**	**6162**
	Cls. Stock	**91**	**146**	**404**	**1828**	**2232**	**282**	**60**	**120**	**395**	**1727**	**2122**	**813**

Table-8.2: Trends of Consumption of Coking Coal by type, Hot Metal Production and Various Operative Ratio

(Figs. in Thousand Tonnes)

Steel Plants	Year	Prime coking		Medium coking		Blendable		Imported Coking		Total Coking Coal		Hotmetal Production
		Quantity	Blend ratio	Quantity	Blend ratio	Quantity	Blend ratio	Quantity	Blend ratio	Quantity	Blend ratio	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
BSP	2013-14	352	7.2	536	10.9	0	0.0	4029	81.9	4917	100.0	5377
	2014-15	35	0.7	502	10.4	0	0.0	4287	88.9	4824	100.0	5072
	2015-16	149	3.0	581	11.5	0	0.0	4305	85.5	5035	100.0	5316
	2016-17	664	13.7	412	8.5	0	0.0	3767	77.8	4843	100.0	5041
	2017-18	580	10.9	346	6.5	0	0.0	4403	82.6	5329	100.0	4280
BSL	2013-14	220	7.8	162	5.7	0	0.0	2438	86.5	2820	100.0	4100
	2014-15	276	7.6	180	5.0	0	0.0	3155	87.4	3611	100.0	4253
	2015-16	187	5.2	278	7.7	0	0.0	3148	87.1	3613	100.0	3701
	2016-17	459	14.1	265	8.1	0	0.0	2532	77.8	3256	100.0	3411
	2017-18	706	15.4	372	8.1	0	0.0	3505	76.5	4583	100.0	4046
DSP	2013-14	244	12.6	188	9.7	0	0.0	1508	77.7	1940	100.0	2191
	2014-15	208	9.8	233	11.0	0	0.0	1684	79.2	2125	100.0	2296
	2015-16	210	10.2	182	8.9	0	0.0	1664	80.9	2056	100.0	2170
	2016-17	315	15.5	113	5.5	0	0.0	1610	79.0	2038	100.0	2317
	2017-18	468	17.7	194	7.3	0	0.0	1987	75.0	2649	100.0	2282
Rourkela	2013-14	295	10.3	170	5.9	0	0.0	2400	83.8	2865	100.0	2538
	2014-15	218	7.1	139	4.5	0	0.0	2702	88.3	3059	100.0	3156
	2015-16	123	4.0	126	4.1	0	0.0	2795	91.8	3044	100.0	3042
	2016-17	261	8.7	99	3.3	0	0.0	2626	87.9	2986	100.0	3094
	2017-18	482	11.7	156	3.8	0	0.0	3484	84.5	4122	100.0	3321
ISP	2013-14	331	23.5	0	0.0	0	0.0	1079	76.5	1410	100.0	220
	2014-15	244	18.3	0	0.0	0	0.0	1092	81.7	1336	100.0	565
	2015-16	241	15.0	0	0.0	0	0.0	1361	85.0	1602	100.0	1430
	2016-17	262	14.6	7	0.4	0	0.0	1521	85.0	1790	100.0	1811
	2017-18	325	14.1	8	0.3	0	0.0	1966	85.5	2299	100.0	2055
DPL	2013-14											
	2014-15											
	2015-16	<---------- NA ---------->										
	2016-17											
	2017-18											
VSP(RINL)	2013-14	0	0.0	404	10.0	0	0.0	3642	90.0	4046	100.0	3769
Visakhapatnam	2014-15	0	0.0	430	9.5	0	0.0	4089	90.5	4519	100.0	3780
	2015-16	0	0.0	387	8.7	0	0.0	4070	91.3	4457	100.0	3780
	2016-17	0	0.0	496	11.2	0	0.0	3930	88.8	4426	100.0	4386
	2017-18	0	0.0	440	9.9	0	0.0	4005	90.1	4445	100.0	5132
TISCO	2013-14	1042	14.8	2643	37.6	0	0.0	3341	47.6	7026	100.0	9899
Jamshedpur	2014-15	0.0	0.0	0.0	0.0	3196	41.2	4554	58.8	7750	100.0	10163
	2015-16	0.0	0.0	0.0	0.0	3367	48.1	3636	51.9	7003	100.0	10163
	2016-17	0.0	0.0	0.0	0.0	3295	47.5	5548	80.0	6935	127.5	13051
	2017-18	0.0	0.0	0.0	0.0	2795	41.2	3982	58.8	6777	100.0	10949

TABLE 8.3: COKING COAL WASHERIES IN INDIA DURING 2017-18

Sector	Owner Company	Name of Washery	Year of Commi-ssioning	Feed Type	State	Location/ Coal field	Raw Coal Capacity (MTA)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Public	Bharat Coking Coal Ltd.	Dugda	1968	Pr. Ckg.	Jharkhand	Jharia	2.00
		Bhojudih	1962 (Expn-64)	Pr. Ckg.	West Bengal	Jharia	1.70
		Sudamdih	1981	Pr. Ckg.	Jharkhand	Jharia	1.60
		Moonidih	1983	Pr. Ckg.	Jharkhand	Jharia	1.60
		Mahuda	1990	Md. Ckg.	Jharkhand	Jharia	0.63
		Madhuband	1998	Pr. Ckg.	Jharkhand	Jharia	2.50
	TOTAL						10.03
Public	Central Coalfields Ltd.	Kathara	1969	Md. Ckg.	Jharkhand	Bokaro	3.00
		Swang	1970	Md. Ckg.	Jharkhand	Bokaro	0.75
		Rajrappa	1987	Md. Ckg.	Jharkhand	Ramgarh	3.00
		Kedla	1997	Md. Ckg.	Jharkhand	Ramgarh	2.60
		Kargali	1958	Coking	Jharkhand	Bokaro	2.72
	TOTAL						**12.07**
Public	Western Coalfields Ltd.	Nandan	1984	Md. Ckg.	M.P.	Chhindwara	1.20
Public	All Coal India Ltd.						**23.30**
Public	Steel Authority of India Ltd.	Chasnala	1969	Coking	Jharkhand	Dhanbad	1.40
Total Public							**24.70**
Private	Tata Steel Ltd.	W.Bokaro-II	1984	Md. Ckg.	Jharkhand	Ramgarh	2.41
		W.Bokaro-III	1994	Md. Ckg.	Jharkhand	Ramgarh	3.08
		Jamadoba	1957	Pr. Ckg.	Jharkhand	Jamaboda	1.30
		Bhelatand	1995	Pr. Ckg.	Jharkhand	Bhelatand	1.00
Total Private							**7.79**
Grand Total							**32.49**

TABLE 8.4: COKING COAL WASHERY PERFORMANCE IN LAST THREE YEARS

(Figs. in Thousand Tonnes)

Year	Owner Company	Raw Coal Feed	Washed Coal Prod.	Yield (%) Washed Coal
(1)	(2)	(3)	(4)	(5)
	BCCL	1512	801	53
	CCL	3126	1115	36
	WCL	139	0	0
	Total CIL	4777	1916	40
2017-18	SAIL	1217	660	54
	Total Public	**5994**	**2576**	**43**
	TSL (Private)	6512	3397	52
	Total Private	**6512**	**3397**	**52**
	Grand Total	**12506**	**5973**	**48**
	BCCL	2471	1182	48
	CCL	3310	1139	34
	WCL	84	41	49
	Total CIL	5865	2362	40
2016-17	SAIL	1258	712	57
	Total Public	**7123**	**3074**	**43**
	TSL (Private)	6845	3339	49
	Total Private	**6845**	**3339**	**49**
	Grand Total	**13968**	**6413**	**46**
	BCCL	2340	599	26
	CCL	3812	1471	39
	WCL	155	81	52
	Total CIL	6307	2151	34
2015-16	SAIL	1220	581	48
	Total Public	**7527**	**2732**	**36**
	TSL (Private)	6761	3447	51
	Total Private	**6761**	**3447**	**51**
	Grand Total	**14288**	**6179**	**43**

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

TABLE 8.5: NON COKING COAL WASHERY IN INDIA DURING 2017-18

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
							9.00
	Northern Coalfields Ltd.	Bina Deshelling Plant	1999	Non-Coking	Uttar Pradesh	Sonebhadra	4.50
	All Coal India Ltd.						**13.50**
Total Public				Non-Coking			**13.50**
	ADANI ENTERPRISES LTD.	AEL	2012-13	Non-Coking	Chhatisgarh	Parsa	10.00
	ARYAN COAL BENEFICATION (INDIA) LTD.	CHAKABUWA	2004	Non-Coking	Chhatisgarh	Korba	7.50
		DIPKA	1999-2000	Non-Coking	Chhatisgarh	Korba	14.50
		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
	ARYAN ENERGY PVT. LTD.	HIMGIR	2011-12	Non-Coking	Odisha	Hemgir	5.00
		TALCHER	2003	Non-Coking	Odisha	Talcher	2.34
		RKP	2014	Non-Coking	Telengana	Mandamarri	1.00
	GLOBAL COAL & MINING PVT. LTD	IB VALLEY	2006	Non-Coking	Odisha	Ib valley	4.00
		RAMAGUNDAM	2004	Non-Coking	Telengana	Ramagundam	1.00
		TALCHER	2002	Non-Coking	Odisha	Talcher	4.00
		MANUGURU	2009	Non-Coking	Telengana	Manuguru	0.96
	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
	SPECTRUM COAL & POWER LTD	RATIJA	1999	Non-Coking	Chhatisgarh	Korba	11.00
	SPECTRUM COAL & POWER LTD	TALCHER	2015	Non-Coking	Odisha	Bharatpur	9.52
Total Private							**91.74**
Grand Total							**105.24**

TABLE 8.6: PERFORMANCE OF NON COKING COAL WASHERIES IN INDIA FOR LAST THREE FINANCIAL YEARS

Year	Company	Raw Coal Feed	Washed Coal Production	Yield (%)
(1)	(2)	(3)	(4)	(5)
	CCL	6283.00	6077.00	96.72
	Total CIL	**6283.00**	**6077.00**	96.72
	Total Public	**6283.00**	**6077.00**	96.72
	ADANI ENTERPRISES LTD.	8328.54	7143.20	85.77
2017-18	ARYAN COAL BENEFICATION PVT.LTD.	14092.15	11586.65	82.22
	ARYAN ENERGY PVT. LTD.	1062.09	726.93	68.44
	GLOBAL COAL & MINING PVT. LTD.	3819.46	2436.00	63.78
	JINDAL POWER LIMITED	701.14	506.65	72.26
	KARTIKAY COAL WASHERIES PVT. LTD	44.81	31.67	70.68
	SPECTRUM COAL & POWER LTD.	11836.92	9293.22	78.51
	Total Private	**39885.11**	**31724.32**	**79.54**
	Grand Total	**46168.11**	**37801.32**	**81.88**
	CCL	9304.00	8942.00	96.11
	NCL	3461.79	3155.29	91.15
	Total CIL	**12765.79**	**12097.29**	94.76
	Total Public	**12765.79**	**12097.29**	94.76
	ADANI ENTERPRISES LTD.	8267.00	7414.91	89.69
2016-17	ARYAN COAL BENEFICATION PVT.LTD.	14681.61	11862.73	80.80
	ARYAN ENERGY PVT. LTD.	1845.93	1284.58	69.59
	GLOBAL COAL & MINING PVT. LTD.	4481.89	3082.98	68.79
	JINDAL POWER LIMITED	505.81	379.26	74.98
	SPECTRUM COAL & POWER LTD.	11408.03	9000.17	78.89
	Total Private	**41190.27**	**33024.63**	**80.18**
	Grand Total	**53956.06**	**45121.92**	**83.63**
	CCL	9273.20	8652.57	93.31
	NCL	3285.30	3115.04	94.82
	Total CIL	**12558.50**	**11767.61**	93.70
	Total Public	**12558.50**	**11767.61**	93.70
	ADANI ENTERPRISES LTD.	6209.94	5351.11	86.17
2015-16	ARYAN COAL BENEFICATION PVT.LTD.	18111.79	14343.53	79.19
	ARYAN ENERGY PVT. LTD.	1208.76	860.21	71.16
	GLOBAL COAL & MINING PVT. LTD.	2678.16	1833.81	68.47
	JINDAL POWER LIMITED	348.16	259.59	74.56
	SPECTRUM COAL & POWER LTD.	10641.86	8471.98	79.61
	Total Private	**39198.67**	**31120.23**	**79.39**
	Grand Total	**51757.17**	**42887.84**	**82.86**

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

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

TABLE 8.7: ALL INDIA INSTALLED GENERATING CAPACITY (MW) SINCE END OF 10TH PLAN

Plan / Year	Modewise Breakup							Grand Total
	Hydro	Thermal				Nuclear	Renewable Energy Sources	
		Coal	Gas	Diesel	**Total**			
(1)	(2)	(3)	(4)	(5)	**(6)**	(7)	(8)	**(9)**
End of 10th Plan (31.03.2007)	34654	71121	13692	1202	**86015**	3900	7761	**132329**
31.03.2009 (Utilities+Non-Utilities)	36989	91466	18497	9950	**119913**	4120	13617	**174639**
Utilities	36878	77649	14876	1200	**93725**	4120	13242	**147965**
Non-Utilities	111	13817	3621	8750	**26188**	0	375	**26674**
31.03.2010 (Utilities+Non-Utilities)	36918	101381	21424	10657	**133462**	4560	15975	**190915**
Utilities	36863	84198	17056	1200	**102454**	4560	15521	**159398**
Non-Utilities	55	17183	4368	9457	**31008**	0	454	**31517**
31.03.2011 (Utilities+Non-Utilities)	37624	113030	22760	10855	**146645**	4780	19021	**208070**
Utilities	37567	93918	17706	1200	**112824**	4780	18455	**173626**
Non-Utilities	57	19112	5054	9655	**33821**	0	566	**34444**
31.03.2012 (Utilities+Non-Utilities)	39038	134638	24266	11155	**170059**	4780	25375	**239252**
Utilities	38990	112022	18381	1200	**131603**	4780	24504	**199877**
Non-Utilities	48	22616	5885	9955	**38456**	0	871	**39375**
31.03.2013 (Utilities+Non-Utilities)	39558	154111	24608	11155	**191066**	4780	28666	**264070**
Utilities	39491	130221	20110	1200	**151531**	4780	27542	**223344**
Non-Utilities	67	23890	4498	9955	**39535**	0	1124	**40726**
31.03.2014 (Utilities+Non-Utilities)	40595	170025	26533	12632	**209190**	4780	32951	**288021**
Utilities	40531	145273	21782	1200	**168255**	4780	31692	**245258**
Non-Utilities	64	24752	4751	11432	**40935**	0	1259	**42763**
31.03.2015 (Utilities+Non-Utilities)	41332	190725	28255	13209	**232189**	5780	37078	**316379**
Utilities	41267	164636	23062	1200	**188898**	5780	35777	**271722**
Non-Utilities	65	26089	5193	12009	**43291**	0	1301	**44657**
31.03.2016 (Utilities+Non-Utilities)	42843	213861	30327	13340	**257528**	5780	47292	**353442**
Utilities	42784	185173	24509	993	**210675**	5780	45924	**305163**
Non-Utilities	59	28688	5818	12347	**46853**	0	1368	**48279**
31.03.2017 (Utilities+Non-Utilities)	44544	222735	31438	14188	**268361**	5780	58677	**378362**
Utilities	44479	192163	25329	838	**218330**	6780	57244	**326833**
Non-Utilities	65	30572	6109	13350	**50031**	0	1433	**51529**
31.03.2018 (Utilities+Non-Utilities)	45344	230027	32053	13983	**276063**	5780	70748	**398935**
Utilities	45293	197172	24897	838	**222907**	6780	69022	**344002**
Non-Utilities	51	32855	7156	13145	**53156**	0	1726	**54933**

Note:

i) The Installed Capacity includes allocaled shares in Joint and Central Sector Utilities.

ii) Renewable Energy Sources includes Small Hydro Project, Biomass Gasifier, Biomass Power, Urban & Industrial Waste Power.

Source : Central Electricity Authority.

Table 8.8: Electricity Gross Geneartion by Prime movers (Million KWh)

Year	Sector	Hydro	Thermal Electricity				Nuclear	Renewable Energy Sources	**Grand Total**
			Coal based	Gas based	Diesel etc.	**Total**			
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	(8)	(9)	**(10)**
2008-09	Utilities	110099	511895	71597	32649	**616141**	14927		**722625**
	Non Utilities	146	73626	15306	10643	**99575**	0		**90477**
	Total	110245	585521	86903	43292	**715716**	14927		**813102**
2009-10	Utilities	104060	539587	96373	41195	**677155**	0		**781215**
	Non Utilities	152	77416	19739	8826	**105981**	0		**106133**
	Total	104212	617003	116112	50021	**783136**	0		**887348**
2010-11	Utilities	114416	561298	100342	42426	**704066**	26266		**844748**
	Non Utilities	149	96657	15435	8676	**120768**	0		**120917**
	Total	114565	657955	115777	51102	**824834**	26266		**965665**
2011-12	Utilities	130511	612497	93281	53875	**759653**	32287		**922451**
	Non Utilities	131	104863	21972	7422	**134257**	0		**134388**
	Total	130642	717360	115253	61297	**893910**	32287		**1056839**
2012-13	Utilities	113720	691341	66664	59897	**817902**	32866		**964488**
	Non Utilities	118	113167	20769	9956	**143892**	0		**144010**
	Total	113838	804508	87433	69853	**961794**	32866		**1108498**
2013-14	Utilities	134848	745533	44522	67518	**857573**	34228		**1026649**
	Non Utilities	129	118178	19912	10769	**148859**	0		**148988**
	Total	134977	863711	64434	78287	**1006432**	34228		**1175637**
2014-15	Utilities	129244	835291	41075	75139	**951505**	36102		**1116851**
	Non Utilities	145	128401	21135	12376	**161912**	0		**162057**
	Total	129389	963692	62210	87515	**1113417**	36102		**1278908**
2015-16	Utilities	121377	895340	47122	557	**943019**	37414	65781	**1167591**
	Non Utilities	110	136721	21083	8412	**166216**	0	2046	**168372**
	Total	121487	1032061	68205	8969	**1109235**	37414	67827	**1335963**
2016-17	Utilities	122378	944022	49094	400	**993516**	37916	81548	**1235358**
	Non Utilities	144	137588	22855	9182	**169625**	0	2277	**172046**
	Total	122522	1081610	71949	9582	**1163141**	37916	83825	**1407404**
2017-18	Utilities	126123	986591	50208	348	**1037147**	38346	101839	**1303455**
	Non Utilities	112	143868	25362	8107	**177337**	0	2328	**179777**
	Total	126235	1130459	75570	8455	**1214484**	38346	104167	**1483232**

Source : Central Electricity Authority.

Table 8.9 : Cement and Clinker - Capacity, Production (Mill.Tons.) and Capacity Utilisation by Large Cement Plants

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

Source : Cement Manufacturers' Association

TABLE 8.10: CONSUMPTION OF COAL AND FUEL IN CEMENT SECTOR FROM 2002-03 TO 2017-18

(Quantities are in Million Tonnes)

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

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

** The ratio mainly relates to Dry process.

Source: Cement Manufacturers' Association.

Section IX

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 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. Production of Coal was 41.620 MT in 2017-18 from these total 18 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 2017-18 CMDPA of 5 coal blocks have been terminated.

9.1.7 Therefore, as on 31.03.2018, number of coal blocks stands exist are 107 (vested/ allotted - 77 + Custodian – 7 + Under Auction by Competitive Bidding Rules, 2012 – 13 and blocks not cancelled – 10).

9.1.8 As on 31.03.2018, number of lignite blocks stands allocated are 21.

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 AS ON 31.03.2018

Sector	End Use	No of blocks	Geological Reserves (Qty. in MT)
(1)	(2)	(3)	(4)
A. COAL BLOCKS			
Public Sector Undertakings	Power	53	15232.31
	Commercial Mining	15	1896.81
	NRS	5	494.15
	TOTAL	**73**	**17623.27**
Private Companies	Power	7	388.73
	UMPP	8	3730.54
	NRS	19	365.98
	TOTAL	**34**	**4485.25**
ALL INDIA	Power	60	15621.04
	Commercial Mining	15	1896.81
	UMPP	8	3730.54
	NRS	24	860.13
	TOTAL	**107**	**22108.52**
B. LIGNITE BLOCKS			
State PSU	Power	9	993.30
	Commercial	11	470.20
	Subtotal	**20**	**1463.50**
Private	Power	1	44.70
	Commercial	0	0.00
	Subtotal	**1**	**44.70**
ALL INDIA	Power	10	1038.00
	Commercial	11	470.20
	Grand Total	**21**	**1508.20**

*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 till 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 AS ON 31.03.2018

(GR in Million Tonnes)

Year of Allotment	Power		Ultra Mega Power Project		Non Regulated Sector		Govt. Commmercial		**Total**	
	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	**Coal Blocks (No.)**	**Geological/Extractable Reserves**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	**(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			19	366.97	7	364.86	**75**	**11151.94**
2016	9	3371.33			4	241.28	8	1531.95	**21**	**5144.56**
2017	1	393.60							**1**	**393.60**
Total	**60**	**15621.04**	**8**	**3730.54**	**24**	**860.13**	**15**	**1896.81**	**107**	**22108.52**

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 AS ON 31.03.2018

(GR in Million Tonnes)

State	Power		Ultra Mega Power Project		Non Regulated Sector		Govt. Commmercial		**Total**	
	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Arunachal Pradesh							1	4.79	**1**	**4.79**
Telengana	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	4885.33	2	1141.87	10	469.91	1	200.00	29	**6697.11**
Maharashtra	7	430.35	1	100.00	5	46.04	1	11.54	**14**	**587.93**
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**	**15621.04**	**8**	**3730.54**	**24**	**860.13**	**15**	**1896.81**	**107**	**22108.52**

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 Captive Coal Blocks under Custodian as on 31.03.2018

Sl.No.	Block allocated	No. of blocks	State where the block is located	Geological/ Extractable Reserves (in MT)	Name of the party	Type of Company (PSU(S)/ PSU(C)/ Private	End –Use Plant
(1)	(2)	(3)	(4)	(5)	(7)	(8)	(9)
1	Namchik Namphuk	1	ArP	4.79	Chairman, CIL (Custodian)	PSU(C)	Commercial
TOTAL ARUNACHAL PRADESH		**1**		**4.79**			
2-3	Gare-Palma-IV/2 & IV/3	2	CH	178.86	Chairman, CIL (Custodian)	PSU(C)	Commercial
4	Gare-Palma-IV/1	1	CH	158.00	Chairman, CIL (Custodian)	PSU(C)	Commercial
TOTAL CHHATTISGARH		**3**		**336.86**			
5	Marki Mangli-II	1	MH	11.54	Chairman, CIL (Custodian)	PSU(C)	Commercial
TOTAL MAHARASHTRA		**1**		**11.54**			
6	Gotitoria (East)	1	MP	5.146	Chairman, CIL (Custodian)	PSU(C)	Commercial
7	Gotitoria (West)	1	MP	6.527	Chairman, CIL (Custodian)	PSU(C)	Commercial
TOTAL MADHYAPRADESH		**2**		**11.673**			
TOTAL		**7**		**364.863**			

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 & Kasmir 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**			**5684.840**	

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	Chhattisgarh	421.51	09.09.09	Akaltara Power Ltd.	P	UMPP
2	Puta Parogia	1	Chhattisgarh	692.16	09.09.09	Akaltara Power Ltd.	P	UMPP
TOTAL CHHATTISGARH UMPP		**2**		**1113.67**				
3	Pakri-Barwadih	1	Jharkhand	1436.00	11.10.04	NTPC	PSU(C)	Power
4	Tasra	1	Jharkhand	251.88	26.02.96	Steel Authority of India Ltd.	PSU(C)	NRS
5	Kerandari BC	1	Jharkhand	916.52	20.07.07	Power Finance Corporation Talaiy UMPP Jharkhand	P	UMPP
6	Mourya	1	Jharkhand	225.35	26.06.09	Karanpura Energy Ltd.(SPV of JSEB)	P	UMPP
TOTAL JHARKHAND UMPP		**4**		**2829.75**				
7	Bhivkund	1	Maharashtra	100.00	17.07.08	MAHAGENCO	P	UMPP
TOTAL MAHARASHTRA UMPP		**1**		**100.00**				
8-9	Moher, Moher-Amlori Extn.	2	Madhya Pradesh	575.00	13.09.06	Power Finance Corporation Sasan UMPP	P	UMPP
TOTAL MADHYA PRADESH UMPP		**2**		**575.00**				
10	Bankui	1	Odisha	800.00	21.06.10	Sakshigopal Integrated Power Co Ltd.	P	UMPP
TOTAL ODISHA UMPP		**1**		**800.00**				
TOTAL		**10**		**5418.42**				

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 Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated as on 31.03.2018

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	Tadicherla-I	III	1	Telangana	45.36	31.08.15	Allotted	Telengana State Power Generation Corpn. Ltd.	PSU(S)	Power
TOTAL TELANGANA POWER			**1**		**45.36**					
2	Penagaddppa		1	Telangana	110.87	15.12.16	Allotted	M/s. Singareni Collieries Co. Ltd.	PSU(C)	Commercial
TOTAL TELANGANA COMMERCIAL			**1**		**110.87**					
3	Gare Palma Sector-I	III	1	CH	194.00	14.09.15	Allotted	Gujarat State Electricity Corporation Limited	PSU(S)	Power
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	WBPDCL	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	NA	08.06.16	Allotted	Damodar Valley Corporation Ltd.	PSU(C)	Power
TOTAL JHARKHAND POWER			**13**		**3068.33**					

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Table 9.7: Statewise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated as on 31.03.2018

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	Tadicherla-I	III	1	Telangana	45.36	31.08.15	Allotted	Telengana State Power Generation Corpn. Ltd.	PSU(S)	Power
30	Patal East		1	JH	200.00	29.09.16	Allotted	Jharkhand Mineral Development Corporation Ltd.	PSU(S)	Commercial
TOTAL JHARKHAND COMMERCIAL			**1**		**200.00**					
31	Moitra	III	1	JH	29.91	22.04.15	Vested	JSW Steel Ltd.	P	NRS
32-33	Brinda & Sasai	III	2	JH	25.40	22.04.15	Vested	Usha Martin Ltd	P	NRS
34	Meral	III	1	JH	12.67	22.04.15	Vested	Trimula Industries Ltd.	P	NRS
35	Parbatpur Central	II	1	JH	50.98	23.03.16	Allotted	Steel Authority of India Ltd	PSU(C)	NRS
36	Lohari	III	1	JH	9.05	22.04.15	Vested	Araanya Mines Private Ltd.	P	NRS
37	Kathautia	II	1	JH	23.96	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
38	Dumri	III	1	JH	46.14	22.04.15	Vested	Hindalco Industries Ltd.	P	NRS
39	Sitanala	III	1	JH	19.92	31.08.15	Allotted	Steel Authority of India Ltd.	PSU(C)	NRS
TOTAL JHARKHAND NRS			**9**		**218.03**					
40-45	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**					
46	Marki Mangli III	II	1	MH	3.58	17.04.15	Vested	B.S. Ispat Ltd.	P	NRS
47	Nerad Malegaon	III	1	MH	10.62	22.04.15	Vested	Indrajit Power Pvt. Ltd.	P	NRS
48	Marki Mangli-I	II	1	MH	9.78	30.09.15	Vested	Topworth Urja and Metals Ltd.	P	NRS
49	Belgaon	II	1	MH	7.14	23.03.15	Vested	Sunflag Iron and Steel Co. Ltd	P	NRS
50	Majra	III	1	MH	14.92	30.09.15	Vested	Jaypee Cement Corporation Ltd.	P	NRS
TOTAL MAHARASHTRA NRS			**5**		**46.04**					
51	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
52	Amelia (North)	II	1	MP	70.28	23.03.15	Vested	Jaiprakash Power Ventures Ltd.	P	Power
TOTAL MADHYAPRADESH POWER			**2**		**463.88**					
53	Sial Ghogri	II	1	MP	5.69	23.03.15	Vested	Reliance Cement Company Pvt. Ltd.	P	NRS
54	Bicharpur	II	1	MP	29.12	23.03.15	Vested	UltraTech Cement Ltd.	P	NRS
TOTAL MADHYAPRADESH NRS			**2**		**34.81**					
55	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**					
56	Talabira-I	II	1	Odisha	10.79	23.03.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
57	Dulanga	III	1	Odisha	152.05	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
58-59	Manoharpur & Dipside of Manoharpur	III	2	Odisha	152.12	31.08.15	Allotted	Odisha Coal & Power Ltd.	PSU(S)	Power
60	Naini	III	1	Odisha	270.00	13.08.15	Allotted	The Singareni Collieries Co. Ltd.	PSU(C)	Power
61	Talabira II & III	I	1	Odisha	152.33	02.05.16	Allotted	Neyveli Lignite Corporation Ltd.	PSU(C)	Power
62	Mandakini B	I	1	Odisha	1200.00	15.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
TOTAL ODISHA POWER			**7**		**1937.29**					
63-64	Utkal E & D	III	2	Odisha	171.37	02.05.16	Allotted	NALCO	PSU(C)	NRS
TOTAL ODISHA NRS			**2**		**171.37**					

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Table 9.7: Statewise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated as on 31.03.2018

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	Tadicherla-I	III	1	Telangana	45.36	31.08.15	Allotted	Telengana State Power Generation Corpn. Ltd.	PSU(S)	Power
65	Baitarni West	I	1	Odisha	602.00	29.09.16	Allotted	Odisha Mining Corporation Ltd.	PSU(S)	Commercial
TOTAL ODISHA COMMERCIAL			**1**		**602.00**					
66	Trans Damodar	II	1	West Bengal	47.32	23.03.15	Vested	The Durgapur Projects Ltd.	P	Power
67	Sarshatolli	II	1	West Bengal	51.03	23.03.15	Vested	CESC Ltd.	P	Power
68	Barjora (North)	II	1	West Bengal	56.57	31.03.15	Allotted	WBPDCL	PSU(C)	Power
69	Khagra Joydev	II	1	West Bengal	103.80	31.03.15	Allotted	Damodar Valley Corporation	PSU(C)	Power
70-71	Tara (East) and Tara (West)	II	2	West Bengal	11.06	31.03.15	Allotted	WBPDCL	PSU(S)	Power
72-73	Gangaramchak & Gangaramchak Bhadulia	II	2	West Bengal	11.05	31.03.15	Allotted	WBPDCL	PSU(S)	Power
74	Barjora	II	1	West Bengal	1.45	31.03.15	Allotted	WBPDCL	PSU(S)	Power
75	Kasta East	III	1	West Bengal	47.00	16.05.16	Allotted	WBPDCL	PSU(S)	Power
TOTAL WEST BENGAL POWER			**10**		**329.28**					
76	Ardhagram	II	1	West Bengal	18.93	14.07.16	Vested	OCL IRON AND STEEL LTD.	P	NRS
TOTAL WEST BENGAL NRS			**1**		**18.93**					
77	Gourangdih ABC		1	West Bengal	131.00	29.09.16	Allotted	West Bengal Mineral Development & Trading Corp. Ltd.	PSU(S)	Commercial
TOTAL WEST BENGAL COMMERCIAL			**1**	**West Bengal**	**131.00**					
TOTAL			**77**		**10640.40**					

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 Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated as on 31.03.2018

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)
1	Gare Palma IV/4	II	1	Chhattisgarh	12.30	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
2	Gare Palma IV/5	II	1	Chhattisgarh	42.43	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
3	Chotia	II	1	Chhattisgarh	18.49	23.03.15	Vested	Bharat Aluminium Company Ltd.	P	NRS
4	Gare Palma IV/8	III	1	Chhattisgarh	45.85	22.04.15	Vested	Ambuja Cements Ltd.	P	NRS
5	Moitra	III	1	Jharkhand	29.91	22.04.15	Vested	JSW Steel Ltd.	P	NRS
6-7	Brinda & Sasai	III	2	Jharkhand	25.40	22.04.15	Vested	Usha Martin Ltd	P	NRS
8	Meral	III	1	Jharkhand	12.67	22.04.15	Vested	Trimula Industries Ltd.	P	NRS
9	Lohari	III	1	Jharkhand	9.05	22.04.15	Vested	Araanya Mines Private Ltd.	P	NRS
10	Kathautia	II	1	Jharkhand	23.96	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
11	Dumri	III	1	Jharkhand	46.14	22.04.15	Vested	Hindalco Industries Ltd.	P	NRS
12	Marki Mangli III	II	1	Maharashtra	3.58	17.04.15	Vested	B.S. Ispat Ltd.	P	NRS
13	Nerad Malegaon	III	1	Maharashtra	10.62	22.04.15	Vested	Indrajit Power Pvt. Ltd.	P	NRS
14	Marki Mangli-I	II	1	Maharashtra	9.78	30.09.15	Vested	Topworth Urja and Metals Ltd.	P	NRS
15	Belgaon	II	1	Maharashtra	7.14	23.03.15	Vested	Sunflag Iron and Steel Co. Ltd	P	NRS
16	Majra	III	1	Maharashtra	14.92	30.09.15	Vested	Jaypee Cement Corporation Ltd.	P	NRS
17	Sial Ghogri	II	1	Madhya Pradesh	5.69	23.03.15	Vested	Reliance Cement Company Pvt. Ltd.	P	NRS
18	Bicharpur	II	1	Madhya Pradesh	29.12	23.03.15	Vested	UltraTech Cement Ltd.	P	NRS
19	Ardhagram	II	1	West Bengal	18.93	14.07.16	Vested	OCL Iron And Steel Ltd.	P	NRS
TOTAL PRIVATE NRS			**19**		**365.98**					
20	Amelia (North)	II	1	Madhya Pradesh	70.28	23.03.15	Vested	Jaiprakash Power Ventures Ltd.	P	Power
21	Tokisud North	II	1	Jharkhand	51.97	23.03.15	Vested	Essar Power MP Ltd.	P	Power
22	Jitpur	III	1	Jharkhand	65.54	22.04.15	Vested	Adani Power Ltd.	P	Power
23	Ganeshpur	III	1	Jharkhand	91.80	22.04.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
24	Talabira-I	II	1	Odisha	10.79	23.03.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
25	Trans Damodar	II	1	West Bengal	47.32	23.03.15	Vested	The Durgapur Projects Ltd.	P	Power
26	Sarshatolli	II	1	West Bengal	51.03	23.03.15	Vested	CESC Ltd.	P	Power
TOTAL PRIVATE POWER			**7**		**388.73**					

Contd.....

Table 9.8: Sectorwise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated as on 31.03.2018

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)
27	Parbatpur Central	II	1	Jharkhand	50.98	23.03.16	Allotted	Steel Authority of India Ltd	PSU(C)	NRS
28	Sitanala	III	1	Jharkhand	19.92	31.08.15	Allotted	Steel Authority of India Ltd.	PSU(C)	NRS
29-30	Utkal E & D	III	2	Odisha	171.37	02.05.16	Allotted	NALCO	PSU(C)	NRS
TOTAL PSU NRS			**4**		**242.27**					
31	Tubed	III	1	Jharkhand	NA	08.06.16	Allotted	Damodar Valley Corporation	PSU(C)	Power
32	Talaipalli	III	1	Chhattisgarh	861.25	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
33-34	Chatti Bariatu, Chatti Bariatu South	III	2	Jharkhand	390.96	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
35	Saharpur Jamarpani	III	1	Jharkhand	524.00	13.08.15	Allotted	UP Rajya Vidyut Utpadan Nigam Ltd.	PSU(C)	Power
36	Dulanga	III	1	Odisha	152.05	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
37	Naini	III	1	Odisha	270.00	13.08.15	Allotted	The Singareni Collieries Co. Ltd.	PSU(C)	Power
38	Barjora (North)	II	1	West Bengal	56.57	31.03.15	Allotted	WBPDCL	PSU(C)	Power
39	Khagra Joydev	II	1	West Bengal	103.80	31.03.15	Allotted	Damodar Valley Corporation	PSU(C)	Power
40	Tadicherla-I	III	1	Telangana	45.36	31.08.15	Allotted	Telengana State Power Generation Corpn. Ltd.	PSU(S)	Power
41	Gare Palma Sector-I	III	1	Chhattisgarh	194.00	14.09.15	Allotted	Gujarat State Electricity Corporation Limited	PSU(S)	Power
42-43	Gidhmuri & Paturia	III	2	Chhattisgarh	257.83	13.10.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
44	Parsa	III	1	Chhattisgarh	184.26	08.09.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
45	Gare Pelma Sector II	III	1	Chhattisgarh	655.15	31.08.15	Allotted	Maharashtra State Power Generation Co Ltd	PSU(S)	Power
46-47	Parsa East & Kanta Basan	II	2	Chhattisgarh	450.97	31.03.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
48	Gare Palma Sector-III	III	1	Chhattisgarh	134.09	14.09.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
49	Pachwara Central	II	1	Jharkhand	239.75	31.03.15	Allotted	Punjab State Power Corp. Ltd.	PSU(S)	Power
50	Badam	III	1	Jharkhand	90.50	31.08.15	Allotted	Bihar State Power Generation Co. Ltd.	PSU(S)	Power
51	Pachwara North	II	1	Jharkhand	392.75	31.03.15	Allotted	WBPDCL	PSU(S)	Power
52	Rajbar E&D	III	1	Jharkhand	526.05	30.06.15	Allotted	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
53	Banhardih	III	1	Jharkhand	553.00	30.06.15	Allotted	Jharkhand Urja Utpadan Nigam Ltd.	PSU(S)	Power
54-59	Baranj – I, II, III, IV, Kiloni & Manora Deep	II	6	Maharashtra	90.35	31.03.15	Allotted	Karnataka Power Corporation Ltd	PSU(S)	Power

Contd.....

Table 9.8: Sectorwise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated as on 31.03.2018

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)
60-61	Manoharpur & Dipside of Manoharpur	III	2	Odisha	152.12	31.08.15	Allotted	Odisha Coal & Power Ltd.	PSU(S)	Power
62-63	Tara (East) and Tara (West)	II	2	West Bengal	11.06	31.03.15	Allotted	WBPDCL	PSU(S)	Power
64-65	Gangaramchak & Gangaramchak Bhadulia	II	2	West Bengal	11.05	31.03.15	Allotted	WBPDCL	PSU(S)	Power
66	Barjore	II	1	West Bengal	1.45	31.03.15	Allotted	WBPDCL	PSU(S)	Power
67	Kerandari	III	1	Jharkhand	142.01	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
68	Amelia	I	1	Madhya Pradesh	393.60	17.01.17	Allotted	THDC India Limited (JV of Govt. of India & Govt. of U.P.)	PSU(C)	Power
69	Talabira-II & III	I	1	Odisha	152.33	02.05.16	Allotted	Neyveli Lignite Corporation Ltd.	PSU(C)	Power
70	Mandakini B	I	1	Odisha	1200.00	15.09.16	Allotted	NTPC Ltd.	PSU(C)	Power
71	Kasta East	III	1	West Bengal	47.00	16.05.16	Allotted	WBPDCL	PSU(S)	Power
TOTAL PSU POWER			**41**		**8283.31**					
72	Baitarni West	I	1	Odisha	602.00	29.09.16	Allotted	Odisha Mining Corporation Ltd.	PSU(S)	Commercial
73	Penagaddppa		1	Telangana	110.87	15.12.16	Allotted	M/s. Singareni Collieries Co. Ltd.	PSU(C)	Commercial
74	Madanpur South		1	Chhattisgarh	175.24	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corp. Ltd.	PSU(S)	Commercial
75	Patal East		1	Jharkhand	200.00	29.09.16	Allotted	Jharkhand Mineral Development Corporation Ltd.	PSU(S)	Commercial
76	Suliyari		1	Madhya Pradesh	141.00	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corporation Ltd.	PSU(S)	Commercial
77	Gourangdih ABC		1	West Bengal	131.00	29.09.16	Allotted	West Bengal Mineral Development & Trading Corp. Ltd.	PSU(S)	Commercial
TOTAL PSU COMMERCIAL			**6**		**1360.11**					
ALL TOTAL			**77**		**10640.40**					

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 ESTIMATESTABLE

Year	Target / Achivement	Power		Iron & Steel		Govt. Comm		Private Comm & Cements		**Total**	
		No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	**No. of Coal Blocks**	**Production (Mill. Tonnes)**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	**(11)**	**(12)**
1997-98	Achievement	2	0.71							**2**	**0.71**
1998-99		2	1.79	1	0.04					**3**	**1.83**
1999-00		2	2.17	1	0.78					**3**	**2.95**
2000-01		2	2.41	1	1.42					**3**	**3.83**
2001-02		2	2.91	1	1.55					**3**	**4.46**
2002-03		3	3.40	1	2.12					**4**	**5.52**
2003-04		4	5.36	1	2.47					**5**	**7.83**
2004-05		4	6.92	2	3.09			2	0.10	**8**	**10.11**
2005-06		5	7.58	2	5.76			2	0.28	**9**	**13.62**
2006-07		5	10.07	4	7.32			2	0.22	**11**	**17.61**
XI th Five Year Plan											
2007-08	Target 1	13	13.90	4	8.05	1	0.20	2	0.33	**28**	**22.48**
2007-08	Achvmt	7	12.83	5	8.01	1	0.08	2	0.33	**15**	**21.25**
2008-09	Target 1	20	22.53	14	11.21	3	1.65	3	0.33	**58**	**35.72**
2008-09	Achvmt	14	21.25	8	8.39	1	0.14	2	0.24	**25**	**30.01**
2009-10	Target 1	30	24.90	37	19.04	6	2.85	2	0.30	**77**	**47.09**
2009-10	Achvmt	14	25.74	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 2017-18 ALONG WITH PROJECTION MADE AT CCO

Year	Target / Achivement	Power		NRS		Govt. Comm		**Total**	
		No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	**No. of Coal Blocks**	**Production (Mill. Tonnes)**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	**(9)**	**(10)**
2015-16	Target	6	22.70	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**

Table - 9.11 : LIGNITE BLOCKS STAND ALLOCATED AS ON 31.03.2018

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	12-05-2001	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	Not available	Akrimota	GMDC	1	Pub	81.00	Commercial	Non-producing
8	Gujarat	06.09.2005	Khadsaliya-II & Surka III	GIPCL	2	Pub	22.50	Power	Non-producing
9	Gujarat	5.12.2001	Surkha (North), Bhavnagar	GMDC	1	Pub	69.63	Commercial	-
	Gujarat		**Total**		**11**		**715.67**		
1	Rajasthan	02.11.1994	Giral	RSSML	1	Pub	101.90	Commercial	Producing
2	Rajasthan	25.08.2001	Matasukh	RSMML	1	Pub	16.90	Commercial	Producing
3	Rajasthan	25.08.2001	Kasnau Igiya	RSMML	1	Pub		Commercial	Producing
4	Rajasthan	06.09.2004	Soneri	RSMML	1	Pub	42.56	Power	Non-producing
5	Rajasthan	01.07.2005	Gurha(W)	RSMML	1	Pub	37.50	Power	Non-producing
6	Rajasthan	01.07.2005	Gurha(E)	V.S Lig	1	Pvt	44.66	Power	Producing
7	Rajasthan	13.11.2006	Kapurdih	RRVPNL	1	Pub	91.99	Power	Producing
8	Rajasthan	13.11.2006	Jalipa	RSMML	1	Pub	316.28	Power	Non-producing
9	Rajasthan	13.11.2006	Shivkar-Kurla	RSMML	1	Pub	112.00	Power	Non-producing
10	Rajasthan	13.11.2006	Sachcha Sauda	RSMML	1	Pub	28.70	Power	Non-producing
			Total		**10**		**792.49**		
			Grand Total		**21**		**1508.16**		

Note: GR of Kharsaliya etc. is estimated from inferred GR, GR of Rajpardi extn is included in Rajapardi.

Section X

World Coal Review

10.1 Reserve

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 2017. It can be seen that the top five places, as per coal reserve, are occupied by USA (24.24%), Russian Federation (15.49%), China (13.41%), Australia (13.99%) and India (9.44%). These five countries together account for 76.57% of total world coal reserves.

Statement 10.1: World Proved Coal and Lignite Reserve (MT) at the end of 2017

Country / Group	Reserve	% Share
US	250916	24.24%
Russian Federation	160364	15.49%
Australia	144818	13.99%
China	138819	13.41%
India	97728	9.44%
Germany	36108	3.49%
Ukraine	34375	3.32%
Poland	25811	2.49%
Kazakhstan	25605	2.47%
Indonesia	22598	2.18%
Others	97870	9.46%
Total World	**1035012**	**100.00%**

Source: International Energy Agency (IEA).

10.2 Production

10.2.1 In the World, in 2017, production of coal and lignite was 6489.33 MT and 831.06 MT respectively. In 2016, production of coal and lignite was 6279.12 MT and 820.70 MT respectively. Statement 10.2 shows main coal producing countries during 2017. In this Statement it can be seen that the top six positions are occupied by China (3158.63 MT), India (676.48 MT), USA (638.00 MT), Indonesia (487.61 MT), Australia (443.80 MT), and Russian Federation (311.62 MT) and these six countries together account for about 88.07% of total world coal production whereas China alone accounts for 48.67% of the world coal production.

Statement 10.2: World Coal Production (MT) in 2017

Country / Group	Production	% Share
People's Republic of China	3158.63	48.67%
India	676.478	10.42%
United States	638.004	9.83%
Indonesia	487.607	7.51%
Australia	443.795	6.84%
Russian Federation	311.624	4.80%
South Africa	257.107	3.96%
Kazakhstan	100.226	1.54%
Colombia	89.439	1.38%
Poland	65.379	1.01%
Others	261.037	4.02%
World	**6489.326**	**100.00%**

10.2.2 World Coking Coal production during 2017 is given in Statement 10.3.

Statement 10.3: World Coking Coal Production (MT) in 2017

Country	Production	% Share
People's Republic of China	539.578	51.89%
Australia	190.000	18.27%
Russian Federation	85.952	8.27%
United States	65.427	6.29%
India	40.920	3.94%
Canada	26.860	2.58%
Mongolia	25.773	2.48%
Kazakhstan	15.468	1.49%
Poland	12.380	1.19%
Ukraine	5.236	0.50%
Others	32.294	3.11%
World	**1039.888**	**100.00%**

Source: International Energy Agency (IEA).

10.2.5 Statement 10.4 provides world lignite production during 2017 by major lignite producing countries.

Statement 10.4: World Lignite Production (MT) in 2017

Country	Production	% Share
Germany	171.286	20.61%
Russian Federation	75.616	9.10%
Turkey	74.100	8.92%
United States	63.565	7.65%
Poland	61.161	7.36%
Australia	57.261	6.89%
India	47.452	5.71%
Serbia	39.759	4.78%
Czech Republic	39.310	4.73%
Greece	37.383	4.50%
Others	164.169	19.75%
World	**831.062**	**100.00%**

Source: International Energy Agency (IEA)

10.3 Import and Export

10.3.1 In 2017, world coal import was 1313.14 MT against 1381.74 MT in 2016. In 2017, import of coking coal and non-coking coal was 278.74 MT and 1034.40 MT respectively. Import of lignite was 5.16 MT. Statement 10.5 shows major country wise import of coking coal and non-coking coal during 2017.

Statement 10.5: World Coal Import (MT) in 2017

Country	Import		
	Coking Coal	Non Coking Coal	**Total Coal**
People's Republic of China	59.307	196.297	**255.604**
India	47.041	146.601	**193.642**
Japan	48.294	137.676	**185.970**
Korea	35.254	99.207	**134.461**
Chinese Taipei	6.581	59.046	**65.627**
Germany	12.320	45.437	**57.757**
Netherlands	4.589	44.870	**49.459**
Turkey	5.794	30.422	**36.216**
Brazil	10.698	8.804	**19.502**
Ukraine	8.109	7.539	**15.648**
Others	40.752	258.502	**299.254**
World	**278.739**	**1034.401**	**1313.140**

10.3.2. In 2017, total coal export was 1316.98 MT against 1357.12 MT in 2016. During 2017, export of coking coal was 313.30 MT, non-coking coal 1003.68 MT and lignite 9.96 MT. Statement 10.6 shows major country wise export of coal during 2017.

Statement 10.6: World Coal Export (MT) in 2017

Country	Export		
	Coking Coal	Non Coking Coal	**Total Coal**
Australia	187.998	201.303	**389.301**
Indonesia	3.340	369.576	**372.916**
Russian Federation	21.743	144.093	**165.836**
Colombia	1.205	82.120	**83.325**
South Africa	1.039	68.905	**69.944**
United States	37.131	17.526	**54.657**
Canada	28.039	2.205	**30.244**
Mongolia	20.424	3.130	**23.554**
Mozambique	3.863	5.374	**9.237**
Poland	2.438	6.658	**9.096**
Others	6.076	102.792	**108.868**
World	**313.296**	**1003.682**	**1316.978**

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 2017

(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)
US	220800	30116	**250916**	0.24	357.29	* More than 500 years.
Canada	4346	2236	**6582**	0.01	110.66	w Less than 0.05%.
Mexico	1160	51	**1211**	0.00	116.26	
Total North America	**226306**	**32403**	**258709**	**0.25**	335.04	**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
Brazil	1547	5049	**6596**	0.01	944.06	
Colombia	4881	0	**4881**	0.00	54.57	
Venezuela	731	0	**731**	0.00	1624.44	
Other S. & Cent. America	1784	24	1808	0.00	635.93	
Total S. & Cent. America	**8943**	**5073**	**14016**	**0.01**	**140.56**	
Bulgaria	192	2174	**2366**	0.00	68.66	
Czech Republic	1099	2541	**3640**	0.00	81.01	
Germany	8	36100	**36108**	0.03	206.17	
Greece	0	2876	**2876**	0.00	76.03	
Hungary	276	2633	**2909**	0.00	365.74	
Poland	19808	6003	**25811**	0.02	203.11	
Romania	11	280	**291**	0.00	11.33	
Serbia	402	7112	**7514**	0.01	188.01	
Spain	868	319	**1187**	0.00	426.82	
Turkey	378	10975	**11353**	0.01	115.41	
United Kingdom	70	0	**70**	0.00	23.02	
Other Europe	1108	5172	**6280**	0.01	191.58	
Total Europe	**24220**	**76185**	**100405**	**0.10**	**159.37**	**Reserves-to-production (R/P) ratio** - If the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.
Kazakhstan	25605	0	25605	0.02	230.39	
Russian Federation	69634	90730	**160364**	0.15	391.06	
Ukraine	32039	2336	**34375**	0.03	1021.11	
Uzbekistan	1375	0	**1375**	0.00	340.46	
Other CIS	1509	0	**1509**	0.00	417.52	
Total CIS	**130162**	**93066**	**223228**	**0.22**	396.83	
South Africa	9893	0	**9893**	0.01	39.21	
Zimbabwe	502	0	**502**	0.00	171.45	
Other Africa	2756	66	**2822**	0.00	183.93	**Reserves-to-production (R/P)** ratios are calculated excluding other solid fuels in reserves and production.
Middle East	1203	0	**1203**	0.00	983.93	
Total Middle East & Africa	**14354**	**66**	**14420**	**0.01**	**53.06**	
Australia	68310	76508	**144818**	0.14	300.89	
China	130851	7968	**138819**	0.13	39.40	**Shares of total and R/P** ratios are calculated using million tonnes figures.
India	92786	4942	**97728**	0.09	136.49	
Indonesia	15068	7530	**22598**	0.02	49.02	
Japan	340	10	**350**	0.00	252.07	
Mongolia	1170	1350	2520	0.00	50.93	
New Zealand	825	6750	7575	0.01	2572.38	
Pakistan	207	2857	**3064**	0.00	755.42	
South Korea	326	0	**326**	0.00	219.09	
Thailand	0	1063	**1063**	0.00	65.38	
Vietnam	3116	244	**3360**	0.00	88.24	
Other Asia Pacific	1326	687	**2013**	0.00	31.18	
Total Asia Pacific	**314325**	**109909**	**424234**	**0.41**	**79.15**	
Total World	**718310**	**316702**	**1035012**	**1.00**	**134.49**	
of which: OECD	**320377**	**177608**	**497985**	**0.48**	**282.26**	
Non-OECD	**397933**	**139094**	**537027**	**0.52**	**90.54**	
European Union	**22913**	**53416**	**76329**	**0.07**	**164.47**	

Source: Includes data from Federal Institute for Geosciences and Natural Resources (BGR) Energy Study 2017.

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

(Quantity In Million Tonnes Oil Equivalent)

Countries	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Change 2017 over 2016	2017 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
US	1063.0	975.2	983.7	993.9	922.1	893.4	907.2	813.7	660.8	702.3	6.6%	9.1%
Canada	68.4	64.6	68.0	67.5	67.1	68.0	67.9	62.0	60.9	59.5	-2.0%	0.8%
Mexico	14.4	12.7	15.3	19.6	15.2	14.6	14.9	12.3	11.4	10.4	-8.5%	0.1%
Total North America	**1145.9**	**1052.5**	**1067.0**	**1081.0**	**1004.4**	**976.1**	**990.1**	**887.9**	**733.0**	**772.2**	**5.6%**	**10.0%**
Brazil	6.6	5.1	5.4	5.5	6.6	8.6	7.9	6.4	7.0	7.0	-	0.1%
Colombia	73.5	72.8	74.4	85.8	89.0	85.5	88.6	85.5	90.5	89.4	-0.9%	1.2%
Venezuela	5.1	3.3	2.6	2.6	1.9	1.2	0.8	0.8	0.9	0.5	-52.4%	♦
Other S. & Cent. America	0.8	0.9	0.8	0.9	1.0	3.2	4.5	3.4	2.8	2.8	1.2%	♦
Total S. & Cent. America	**85.9**	**82.0**	**83.2**	**94.8**	**98.5**	**98.5**	**101.8**	**96.1**	**101.3**	**99.7**	**-1.3%**	**1.3%**
Bulgaria	29.1	27.3	29.4	37.1	33.4	28.6	31.3	35.9	31.3	34.5	10.5%	0.4%
Czech Republic	60.2	56.4	55.4	58.1	55.2	49.1	47.1	46.8	45.5	44.9	-0.9%	0.6%
Germany	192.5	183.6	182.3	188.6	196.2	190.6	185.8	184.3	175.7	175.1	♦	2.3%
Greece	65.7	64.9	56.5	58.7	63.0	53.9	50.8	46.2	32.6	37.8	16.2%	0.5%
Hungary	9.4	9.0	9.1	9.6	9.3	9.6	9.6	9.3	9.2	8.0	-13.5%	0.1%
Poland	144.0	135.2	133.2	139.3	144.1	142.9	137.1	135.8	131.0	127.1	-2.8%	1.6%
Romania	35.9	34.0	31.1	35.5	33.9	24.7	23.6	25.5	23.0	25.7	12.1%	0.3%
Serbia	39.2	38.8	37.9	40.8	38.2	40.3	29.8	37.8	38.5	40.0	4.0%	0.5%
Spain	10.2	9.4	8.4	6.6	6.2	4.4	3.9	3.1	1.7	2.8	60.1%	♦
Turkey	79.4	79.5	73.4	76.0	71.5	60.4	65.2	58.4	73.0	99.8	37.1%	1.3%
United Kingdom	18.1	17.9	18.3	18.6	17.0	12.8	11.6	8.6	4.2	3.0	-27.0%	♦
Other Europe	64.1	66.0	68.5	70.4	63.2	72.2	67.8	62.2	57.5	58.8	2.6%	0.8%
Total Europe	**747.7**	**721.9**	**703.6**	**739.1**	**731.0**	**689.4**	**663.7**	**653.8**	**623.3**	**657.5**	**5.8%**	**8.5%**
Kazakhstan	111.1	100.9	110.9	116.4	120.5	119.6	114.0	107.3	103.1	111.1	8.1%	1.4%
Russian Federation	330.2	302.4	322.9	337.4	358.3	355.2	357.4	372.6	386.5	411.2	6.7%	5.3%
Ukraine	79.9	74.4	77.3	85.2	87.3	84.8	64.0	38.5	41.7	34.2	-17.8%	0.4%
USSR	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Uzbekistan	3.3	3.7	3.3	3.8	4.0	4.1	4.4	4.0	3.9	4.0	4.4%	0.1%
Other CIS	3.1	3.0	3.1	3.8	4.3	4.2	4.1	4.0	4.6	5.4	19.4%	0.1%
Total CIS	**527.5**	**484.3**	**517.5**	**546.6**	**574.4**	**567.9**	**544.0**	**526.4**	**539.8**	**566.0**	**5.1%**	**7.3%**
Total Middle East	**2.0**	**1.6**	**1.5**	**1.6**	**1.5**	**1.5**	**1.5**	**1.5**	**1.6**	**1.6**	**-**	**♦**
South Africa	252.2	247.8	254.5	252.8	258.6	256.3	261.5	252.1	251.2	252.3	0.7%	3.3%
Zimbabwe	1.5	1.7	2.7	2.6	1.6	3.1	5.8	4.3	2.7	2.9	8.7%	♦
Other Africa	1.4	1.3	1.8	2.0	7.1	8.3	9.4	9.6	8.8	15.3	74.0%	0.2%
Total Africa	**255.1**	**250.8**	**258.9**	**257.3**	**267.2**	**267.7**	**276.7**	**266.0**	**262.8**	**270.6**	**3.2%**	**3.5%**
Australia	408.4	422.2	434.4	423.2	448.2	472.8	504.5	504.5	503.9	481.3	-4.2%	6.2%
China	2903.4	3115.4	3428.4	3764.4	3945.1	3974.3	3873.9	3746.5	3410.6	3523.2	3.6%	45.6%
India	515.4	556.8	572.3	563.8	605.6	608.5	646.2	674.2	693.3	716.0	3.6%	9.3%
Indonesia	240.2	256.2	275.2	353.3	385.9	474.6	458.1	461.6	456.2	461.0	1.3%	6.0%
Japan	1.2	1.3	0.9	1.3	1.3	1.2	1.3	1.2	1.3	1.4	3.9%	♦
Mongolia	10.1	14.4	25.2	32.0	29.9	30.1	25.3	24.2	35.1	49.5	41.4%	0.6%
New Zealand	4.8	4.6	5.3	4.9	4.9	4.6	4.0	3.4	2.9	2.9	2.9%	♦
Pakistan	4.0	3.5	3.4	3.2	3.0	3.0	3.4	3.3	4.1	4.1	-0.8%	0.1%
South Korea	2.8	2.5	2.1	2.1	2.1	1.8	1.7	1.8	1.7	1.5	-13.6%	♦
Thailand	18.1	17.6	18.3	21.3	18.1	18.1	18.0	15.2	17.0	16.3	-4.0%	0.2%
Vietnam	39.8	44.1	44.8	46.6	42.1	41.1	41.1	41.7	38.5	38.1	-0.9%	0.5%
Other Asia Pacific	39.0	34.5	37.0	38.6	39.6	39.8	40.5	44.9	65.5	64.6	-1.2%	0.8%
Total Asia Pacific	**4187.2**	**4473.0**	**4847.3**	**5254.8**	**5525.9**	**5669.9**	**5618.0**	**5522.4**	**5230.1**	**5359.7**	**2.8%**	**69.4%**
Total World	**6951.3**	**7066.1**	**7479.1**	**7975.4**	**8203.0**	**8270.9**	**8195.7**	**7954.2**	**7492.0**	**7727.3**	**3.4%**	**100.0%**
of which: OECD	**2179.0**	**2078.0**	**2088.2**	**2108.0**	**2057.8**	**2026.7**	**2057.7**	**1928.2**	**1747.2**	**1792.2**	**2.9%**	**23.2%**
Non-OECD	**4772.3**	**4988.1**	**5390.8**	**5867.3**	**6145.2**	**6244.2**	**6138.0**	**6025.9**	**5744.8**	**5935.2**	**3.6%**	**76.8%**
European Union #	**597.2**	**573.0**	**562.7**	**589.7**	**590.5**	**558.1**	**539.6**	**527.9**	**481.8**	**490.1**	**2.0%**	**6.3%**

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

^ Less than 0.05. w Less than 0.05%.

n/a not available.

USSR includes 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	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Change in 2017 over 2016	2017 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
US	535.9	471.4	498.8	470.6	416.0	431.8	430.9	372.2	340.6	332.1	-2.2%	8.9%
Canada	29.4	23.5	24.8	21.8	21.1	20.8	19.6	19.9	18.9	18.6	-1.4%	0.5%
Mexico	10.1	10.3	12.7	14.7	12.8	12.7	12.7	12.7	12.4	13.1	5.6%	0.4%
Total North America	**575.5**	**505.2**	**536.3**	**507.1**	**449.9**	**465.4**	**463.2**	**404.8**	**371.9**	**363.8**	**-1.9%**	**9.7%**
Argentina	1.5	0.8	1.2	1.3	1.2	1.3	1.4	1.4	1.0	1.1	1.7%	♦
Brazil	13.8	11.1	14.5	15.4	15.3	16.5	17.5	17.6	15.9	16.5	4.1%	0.4%
Chile	4.4	4.0	4.5	5.8	6.7	7.5	7.6	7.3	7.4	6.7	-9.1%	0.2%
Colombia	5.0	4.0	4.6	3.7	4.7	5.0	5.1	5.4	5.5	4.0	-27.6%	0.1%
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Peru	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.8	1.0	1.0	-	♦
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.3	0.3	-10.8%	♦
Central America	0.5	0.4	0.5	0.7	0.8	0.8	0.9	1.3	1.5	1.3	-13.9%	♦
Other Caribbean	2.1	1.7	1.9	2.1	1.9	2.1	2.4	2.2	2.2	1.9	-14.2%	0.1%
Other South America	^	^	^	^	^	^	^	^	^	^	-2.2%	♦
Total S. & Cent. Americ	**28.3**	**23.1**	**28.1**	**30.0**	**31.6**	**34.3**	**35.9**	**36.2**	**34.9**	**32.7**	**-5.9%**	**0.9%**
Austria	3.8	2.9	3.4	3.5	3.2	3.3	3.0	3.2	3.0	3.2	5.0%	0.1%
Belgium	4.5	3.1	3.8	3.5	3.2	3.3	3.3	3.2	3.0	2.9	-1.5%	0.1%
Bulgaria	7.6	6.4	6.9	8.1	6.9	5.9	6.4	6.6	5.7	6.3	10.6%	0.2%
Croatia	0.7	0.5	0.7	0.7	0.6	0.7	0.6	0.6	0.7	0.4	-37.3%	♦
Cyprus	^	^	^	^	^	^	^	^	^	^	2184.8%	♦
Czech Republic	19.7	17.7	18.8	18.4	17.4	17.2	16.0	16.6	16.6	16.0	-3.0%	0.4%
Denmark	4.1	4.0	3.8	3.2	2.5	3.2	2.6	1.7	2.1	1.6	-25.1%	♦
Estonia	3.4	3.1	3.9	4.1	3.8	4.4	4.2	3.9	3.8	4.5	18.7%	0.1%
Finland	5.3	5.4	6.8	5.5	4.5	5.0	4.5	3.8	4.4	4.1	-5.6%	0.1%
France	12.1	10.8	11.5	9.8	11.1	11.6	8.6	8.4	8.2	9.1	11.4%	0.2%
Germany	80.1	71.7	77.1	78.3	80.5	82.8	79.6	78.7	75.8	71.3	-5.8%	1.9%
Greece	8.3	8.4	7.9	7.9	8.1	7.0	6.7	5.6	4.4	4.9	11.7%	0.1%
Hungary	3.1	2.6	2.7	2.7	2.6	2.3	2.2	2.4	2.3	2.3	1.8%	0.1%
Iceland	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.6%	♦
Ireland	2.3	2.0	2.0	1.9	2.3	2.0	2.0	2.2	2.1	1.9	-9.4%	0.1%
Italy	15.8	12.4	13.7	15.4	15.7	13.5	13.1	12.3	11.0	9.8	-10.5%	0.3%
Latvia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	^	^	^	-8.2%	♦
Lithuania	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	5.4%	♦
Luxembourg	0.1	0.1	0.1	0.1	0.1	^	0.1	^	0.1	^	-17.0%	♦
Macedonia	1.5	1.3	1.3	1.5	1.4	1.2	1.1	1.0	0.9	0.9	0.2%	♦
Netherlands	8.0	7.5	7.5	7.4	8.2	8.2	9.1	11.0	10.2	9.1	-10.4%	0.2%
Norway	0.7	0.6	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8	2.3%	♦
Poland	55.2	51.8	55.1	55.0	51.2	53.4	49.4	48.7	49.5	48.7	-1.4%	1.3%
Portugal	2.5	2.9	1.6	2.2	2.9	2.6	2.7	3.3	3.2	3.5	10.6%	0.1%
Romania	9.6	7.6	7.0	8.2	7.6	5.8	5.7	5.9	5.3	5.7	6.8%	0.2%
Slovakia	4.0	3.9	3.9	3.7	3.5	3.5	3.4	3.3	3.2	3.3	3.6%	0.1%
Slovenia	1.5	1.4	1.5	1.5	1.4	1.3	1.1	1.1	1.1	1.2	4.4%	♦
Spain	13.5	9.4	6.9	12.8	15.5	11.4	11.6	13.7	10.5	13.4	28.5%	0.4%
Sweden	2.4	1.9	2.5	2.5	2.2	2.2	2.1	2.1	2.1	1.9	-6.2%	0.1%
Switzerland	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-	♦
Turkey	29.6	30.9	31.4	33.9	36.5	31.6	36.1	34.7	38.5	44.6	16.3%	1.2%
United Kingdom	35.6	29.8	30.9	31.4	39.0	37.0	29.8	23.2	11.2	9.0	-19.4%	0.2%
Other Europe	13.7	13.9	13.9	15.7	14.1	14.6	12.8	14.6	15.3	15.7	2.6%	0.4%
Total Europe	**349.3**	**314.3**	**327.8**	**340.2**	**347.3**	**336.4**	**319.3**	**313.1**	**295.1**	**296.4**	**0.7%**	**7.9%**
Azerbaijan	^	^	^	^	^	^	^	^	^	^	-	♦
Belarus	0.6	0.6	0.6	0.8	0.8	0.9	0.8	0.6	0.7	0.9	16.2%	♦
Kazakhstan	33.8	30.9	33.4	36.3	37.9	37.5	37.0	34.2	33.9	36.2	7.0%	1.0%
Russian Federation	100.7	92.2	90.5	94.0	98.4	90.5	87.6	92.1	89.2	92.3	3.8%	2.5%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	41.8	35.9	38.3	41.5	42.5	41.6	35.6	27.3	29.7	24.6	-17.1%	0.7%
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
Uzbekistan	1.0	1.0	0.9	1.1	1.2	1.1	1.2	1.1	1.0	1.2	20.8%	♦
Other CIS	1.1	0.9	0.9	1.0	1.4	1.4	1.7	1.8	1.6	1.9	16.0%	0.1%
Total CIS	**179.0**	**161.5**	**164.7**	**174.7**	**182.1**	**173.0**	**163.8**	**157.3**	**156.2**	**157.0**	**0.8%**	**4.2%**

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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	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Change in 2017 over 2016	2017 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Iran	1.2	1.4	1.3	1.4	1.1	1.4	1.6	1.5	0.9	0.9	3.0%	♦
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Israel	7.9	7.7	7.7	7.9	8.8	7.4	6.9	6.8	5.7	5.2	-8.4%	0.1%
Kuwait	^	-	^	^	-	0.3	0.2	0.2	0.2	0.2	-29.1%	♦
Oman	^	^	^	^	^	0.1	0.1	0.1	0.1	0.1	-	♦
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	0.1	^	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	-	♦
United Arab Emirates	0.3	0.3	0.7	0.4	1.4	1.8	2.0	1.7	1.5	1.6	1.7%	♦
Other Middle East	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.4	0.4	0.4	-9.8%	♦
Total Middle East	**9.7**	**9.6**	**10.1**	**10.3**	**11.9**	**11.5**	**11.5**	**10.7**	**9.1**	**8.5**	**-5.9%**	**0.2%**
Algeria	0.8	0.5	0.3	0.3	0.3	0.2	0.2	0.1	^	^	-	♦
Egypt	0.7	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.2	0.2	4.2%	♦
Morocco	3.7	2.7	2.8	3.0	3.0	3.0	4.0	4.4	4.3	4.5	4.2%	0.1%
South Africa	93.3	93.8	92.8	90.5	88.3	88.4	89.5	83.0	84.7	82.2	-2.7%	2.2%
Eastern Africa	1.8	2.0	2.8	3.1	2.5	3.8	5.9	4.9	3.9	4.1	5.6%	0.1%
Middle Africa	^	^	^	^	^	^	^	^	^	^	-	♦
Western Africa	0.2	0.2	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.4	2.8%	♦
Other Northern Africa	-	-	-	^	^	-	-	-	-	-	n/a	-
Other Southern Africa	1.0	1.1	0.7	0.8	1.1	1.2	1.4	1.4	1.4	1.7	19.8%	♦
Total Africa	**101.4**	**101.0**	**100.1**	**98.4**	**96.0**	**97.2**	**101.9**	**94.6**	**94.9**	**93.1**	**-1.7%**	**2.5%**
Australia	54.9	53.1	49.4	48.1	45.1	43.0	42.6	43.9	43.6	42.3	-2.8%	1.1%
Bangladesh	0.6	0.8	0.8	0.7	0.9	1.0	0.9	2.3	2.2	2.3	7.3%	0.1%
China	1609.3	1685.8	1748.9	1903.9	1927.8	1969.1	1954.5	1914.0	1889.1	1892.6	0.5%	50.7%
China Hong Kong SAR	6.9	7.2	6.2	7.4	7.3	7.8	8.1	6.7	6.7	6.3	-6.1%	0.2%
India	259.3	280.8	290.4	304.6	330.0	352.8	387.5	395.3	405.6	424.0	4.8%	11.4%
Indonesia	31.5	33.2	39.5	46.9	53.0	57.0	45.1	51.2	53.4	57.2	7.4%	1.5%
Japan	120.3	101.6	115.7	109.6	115.8	121.2	119.1	119.0	118.8	120.5	1.7%	3.2%
Malaysia	9.8	10.6	14.8	14.8	15.9	15.1	15.4	17.4	19.6	20.0	2.5%	0.5%
New Zealand	2.1	1.6	1.4	1.4	1.7	1.5	1.5	1.4	1.2	1.2	5.2%	♦
Pakistan	6.0	4.9	4.6	4.0	4.0	3.2	4.7	4.7	5.6	7.1	26.2%	0.2%
Philippines	6.4	6.1	7.0	7.7	8.1	10.0	10.6	11.6	11.7	13.1	12.0%	0.4%
Singapore	^	^	^	^	^	0.3	0.4	0.4	0.4	0.4	-6.7%	♦
South Korea	66.1	68.6	75.9	83.6	81.0	81.9	84.6	85.5	81.9	86.3	5.7%	2.3%
Sri Lanka	0.1	0.1	0.1	0.3	0.5	0.5	0.9	1.2	1.3	1.4	5.4%	♦
Taiwan	37.0	35.2	37.6	38.9	38.0	38.6	39.0	37.8	38.6	39.4	2.5%	1.1%
Thailand	15.0	15.0	15.4	15.7	16.5	16.2	17.9	17.5	17.7	18.3	3.7%	0.5%
Vietnam	11.9	11.2	14.6	17.3	16.1	17.2	20.8	26.2	28.3	28.2	♦	0.8%
Other Asia Pacific	20.5	16.6	16.2	13.2	13.9	11.2	12.7	12.2	18.3	19.4	6.2%	0.5%
Total Asia Pacific	**2257.5**	**2332.3**	**2438.6**	**2618.3**	**2675.5**	**2747.5**	**2766.5**	**2748.3**	**2744.0**	**2780.0**	**1.6%**	**74.5%**
Total World	**3500.6**	**3447.0**	**3605.6**	**3778.9**	**3794.5**	**3865.3**	**3862.2**	**3765.0**	**3706.0**	3731.5	**1.0%**	**100.0%**
of which: OECD	1147.1	1026.3	1088.7	1069.4	1025.5	1035.9	1017.9	952.9	897.6	893.4	-0.2%	23.9%
Non-OECD	2353.5	2420.6	2516.9	2709.5	2769.0	2829.4	2844.2	2812.1	2808.4	2838.0	1.3%	76.1%
European Union #	303.6	267.4	280.2	288.1	294.3	288.1	268.2	261.7	239.5	234.3	-1.9%	6.3%

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

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

^ Less than 0.05.

w 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: Differences between these consumption figures and the world production statistics are accounted for by stock changes, and unadvoidable disparities in the definition, measurement or conversion of coal supply and demand data.

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

Growth rates are adjusted for leap years.

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

† Source: IHS Northwest Europe prices for 1990-2000 are the average of the monthly marker, 2001-2017 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 -2017, 5,500 kilocalories per kilogram NAR, including cost and freight (CFR).

‡ Source: S&P Global Platts ©2018, S&P Global Inc. Prices are for CAPP 12,500 Btu, 1.2 SO2 coal, fob. Prices for 1996-2000 are by coal price publication date, 2001-2005 by coal price assessment date. 2006-2017 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 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	25016	2745	23608	9962	2194	26860	2563	22694	9247	2213
Mexico	4399	38	7654	476	1368	4566	39	6751	420	1295
United States	50136	243948	299591	66313	10755	65427	254285	318292	63565	11746
Total North America	**79551**	**246731**	**330853**	**76751**	**14317**	**96853**	**256887**	**347737**	**73232**	**15254**
Costa Rica	0	0	0	0	0	0	0	0	0	
Cuba	0	0	0	0	0	0	0	0	0	
Dominican Republic	0	0	0	0	0	0	0	0	0	
Guatemala	0	0	0	0	0	0	0	0	0	
Honduras	0	0	0	0	0	0	0	0	0	
Jamaica	0	0	0	0	0	0	0	0	0	
Panama	0	0	0	0	0	0	0	0	0	
Total South America	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Argentina	0	23	0	0	631	0	23	0	0	
Bolivarian Republic of Venezuela	0	749	0	0	0	0	749	0	0	
Brazil	0	101	3424	3480	9233	0	99	3227	1492	10359
Chile	0	2525	0	0	400	0	2495	0	0	493
Colombia	4352	86160	0	0	2369	5982	83457	0	0	
Peru	0	251	0	0	0	0	301	0	0	
Uruguay	0	0	0	0	0	0	0	0	0	
South America	**4352**	**89809**	**3424**	**3480**	**12633**	**5982**	**87124**	**3227**	**1492**	**10852**
Albania	0	6	0	0	0	0	84	0	55	
Armenia	0	0	0	0	0	0	0	0	0	
Austria	0	0	0	0	1351	0	0	0	0	1355
Belarus	0	0	0	0	0	0	0	0	0	
Belgium	0	0	0	0	1205	0	0	0	0	1194
Bosnia and Herzegovina	0	0	0	13644	880	0	0	0	14029	
Bulgaria	0	0	0	31231	0	0	0	0	34276	
Croatia	0	0	0	0	0	0	0	0	0	
Cyprus	0	0	0	0	0	0	0	0	0	
Czech Republic	3384	3401	0	38528	2209	2913	2688	0	39310	2489
Denmark	0	0	0	0	0	0	0	0	0	0
Estonia	0	0	0	0	13	0	0	0	0	19
Finland	0	0	0	0	882	0	0	0	0	864
Macedonia	0	0	0	5152	0	0	0	0	5043	
France	0	0	0	0	3127	0	0	0	0	3250
Georgia	0	0	0	297	0	0	0	0	272	
Germany	2164	1914	0	171547	9387	2362	1474	0	171286	8843
Greece	0	0	0	32638	0	0	0	0	37383	0
Hungary	0	0	0	9216	891	0	0	0	7954	955
Iceland	0	0	0	0	0	0	0	0	0	0
Ireland	0	0	0	0	0	0	0	0	0	0

Contd…..

Table-10.5: Production of Coal and Coke by Major Coal Producing Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Italy	0	0	0	0	1740	0	0	0	0	1930
Kazakhstan	15468	81856	0	5750	2840	15468	84758	0	5739	
Kosovo	0	0	0	8801	0	0	0	0	7575	
Latvia	0	0	0	0	0	0	0	0	0	0
Lithuania	0	0	0	0	0	0	0	0	0	
Luxembourg	0	0	0	0	0	0	0	0	0	0
Montenegro	0	0	0	1398	0	0	0	0	1475	
Netherlands	0	0	0	0	2034	0	0	0	0	1964
Norway	0	818	0	0	0	0	131	0	0	0
Other Americas	0	0	0	0	0	0	0	0	0	
Poland	13204	57181	0	60246	9718	12380	52999	0	61161	9431
Portugal	0	0	0	0	0	0	0	0	0	0
Republic of Moldova	0	0	0	0	0	0	0	0	0	
Romania	0	0	0	22980	0	0	0	0	25675	
Russian Federation	83764	209098	0	73485	39500	85952	225672	0	75616	39934
Serbia	0	0	0	38440	0	0	0	0	39759	
Slovak Republic	0	0	0	1847	1635	0	0	0	1836	1582
Slovenia	0	0	0	3349	0	0	0	0	3356	0
Spain	0	1070	730	0	1978	0	944	1833	0	2040
Sweden	0	0	0	0	1171	0	0	0	0	1155
Switzerland	0	0	0	0	0	0	0	0	0	0
Turkey	695	618	1452	70239	4239	675	574	1295	74100	4310
Ukraine	10495	25122	0	0	12722	5236	19558	0	0	
United Kingdom	53	4125	0	0	1348	39	3002	0	0	1379
Total Europe	**129227**	**385209**	**2182**	**588788**	**98870**	**125025**	**391884**	**3128**	**605900**	**82694**
Australia	189302	223898	25670	61473	2660	190000	226877	26918	57261	2686
New Zealand	1171	34	1352	313	502	1173	39	1410	319	509
Total Australia and Oceania	**190473**	**223932**	**27022**	**61786**	**3162**	**191173**	**226916**	**28328**	**57580**	**3195**
Algeria	0	0	0	0	0	0	0	0	0	
Benin	0	0	0	0	0	0	0	0	0	
Botswana	0	1877	0	0	0	0	2222	0	0	
Egypt	0	0	0	0	217	0	0	0	0	
Ethiopia	0	0	0	0	0	0	0	0	0	
Kenya	0	0	0	0	0	0	0	0	0	
Mauritius	0	0	0	0	0	0	0	0	0	
Morocco	0	0	0	0	0	0	0	0	0	
Mozambique	3863	2203	0	0	0	6953	4307	0	0	
Namibia	0	0	0	0	0	0	0	0	0	
Niger	0	0	0	247	0	0	0	0	247	
Nigeria	0	46	0	0	0	0	46	0	0	
Senegal	0	0	0	0	0	0	0	0	0	

Contd…..

Table-10.5: Production of Coal and Coke by Major Coal Producing Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
South Africa	3742	251567	0	0	1940	4416	252691	0	0	
United Republic of Tanzania	0	276	0	0	0	0	563	0	0	
Zambia	0	328	0	0	0	0	328	0	0	
Zimbabwe	451	1185	0	0	332	466	2462	0	0	
Other Africa	0	200	0	0	0	0	200	0	0	
Total Africa	**8056**	**257682**	**0**	**247**	**2489**	**11835**	**262819**	**0**	**247**	**0**
Bangladesh	0	1022	0	0	0	0	1161	0	0	
Cambodia	0	0	0	0	0	0	0	0	0	
Chinese Taipei	0	0	0	0	6226	0	0	0	0	
Democratic People's Republic of	0	28305	2755	0	0	0	16138	2755	0	
Hong Kong (China)	0	0	0	0	0	0	0	0	0	
India	57136	601131	0	45230	33983	40920	635558	0	47452	
Indonesia	3340	129436	330701	0	0	1840	140242	345525	0	
Islamic Republic of Iran	909	206	0	0	1157	909	206	0	0	
Israel	0	0	0	0	0	0	0	0	0	0
Japan	0	1288	0	0	32689	0	1322	0	0	32200
Jordan	0	0	0	0	0	0	0	0	0	
Korea	0	1726	0	0	15924	0	1486	0	0	16073
Kyrgyzstan	0	248	0	1603	0	0	248	0	1603	
Lebanon	0	0	0	0	0	0	0	0	0	
Malaysia	0	2259	0	0	0	0	2885	0	0	
Mongolia	19998	5496	0	6672	28	25773	15589	0	6783	
Myanmar	0	317	0	233	0	0	317	0	233	
Nepal	0	21	0	0	0	0	21	0	0	
Other Asia	0	1608	0	14383	54	0	1608	0	15374	
Pakistan	0	3584	0	504	0	0	3232	0	1209	
People's Republic of China	547017	2510708			448796	539578	2619052			
Philippines	0	0	11211	0	0	0	0	11578	0	
Singapore	0	0	0	0	0	0	0	0	0	
Sri Lanka	0	0	0	0	0	0	0	0	0	
Syrian Arab Republic	0	0	0	0	0	0	0	0	0	
Tajikistan	0	1311	0	50	0	0	1707	0	53	
Thailand	0	0	0	16979	0	0	0	0	16280	
United Arab Emirates	0	0	0	0	0	0	0	0	0	
Uzbekistan	0	360	0	3989	0	0	376	0	3624	
Viet Nam	0	38527	0	0	0	0	40382	0	0	
Yemen	0	0	0	0	0	0	0	0	0	
Total Asia	**628400**	**3327553**	**344667**	**89643**	**538857**	**609020**	**3481530**	**359858**	**92611**	**48273**
World	**1040059**	**4530916**	**708148**	**820695**	**670328**	**1039888**	**4707160**	**742278**	**831062**	**160268**

Source: International Energy Agency (IEA)

Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	3794	2280	1386	18	846	3451	1596	1262	10	979
Mexico	132	6600	3667	3	1187	456	6200	1621	3	1109
United States	654	4934	1380	87	53	870	5975	2003	87	207
Total North America	**4580**	**13814**	**6433**	**108**	**2086**	**4777**	**13771**	**4886**	**100**	**2295**
Costa Rica	0	1	0	0		0	1	0	0	124
Cuba	0	2	0	0		0	2	0	0	1
Dominican Republic	0	1041	0	0		0	1123	0	0	475
Guatemala	0	1497	0	0		0	2045	0	0	0
Honduras	0	172	0	0		0	164	0	0	0
Jamaica	0	122	0	0		0	94	0	0	0
Panama	0	87	0	0		0	300	0	0	0
Total South America	**0**	**2922**	**0**	**0**	**0**	**0**	**3729**	**0**	**0**	**600**
Argentina	559	951	0	0		551	655	0	0	0
Bolivarian Republic of Venezue	0	0	0	0		0	0	0	0	0
Brazil	11566	9200	205	0	731	10698	8592	212	0	1107
Chile	575	10541	0	0	0	467	11118	0	0	0
Colombia	0	0	0	0		0	0	0	0	0
Peru	0	416	0	0		0	610	0	0	119
Uruguay	0	4	0	0		0	5	0	0	0
South America	**12700**	**21112**	**205**	**0**	**731**	**11716**	**20980**	**212**	**0**	**1226**
Albania	0	112	0	0		0	81	0	0	0
Armenia	0	0	0	0		0	2	0	0	0
Austria	1751	1730	66	10	943	1797	1534	70	10	842
Belarus	0	756	0	0		0	724	0	0	54
Belgium	1635	1935	0	0	267	1477	2036	0	0	205
Bosnia and Herzegovina	1361	0	0	96		1302	0	0	87	17
Bulgaria	0	895	0	0		0	762	0	0	97
Croatia	0	594	0	49		0	1045	0	44	30
Cyprus	0	16	0	0		0	0	0	0	0
Czech Republic	2060	1577	0	172	229	1661	1904	0	138	498
Denmark	0	3075	0	0	12	0	2886	0	0	11
Estonia	0	45	0	0	0	0	23	0	0	0
Finland	1502	2708	0	0	253	1289	2723	0	0	323
Macedonia	0	34	119	14		0	26	161	19	1
France	4287	9735	0	61	494	4463	7261	0	99	370
Georgia	0	162	0	0		0	104	0	0	147
Germany	12847	35073	0	30	2297	12320	45437	0	26	2388
Greece	0	418	0	0	0	0	312	0	0	0
Hungary	1337	178	142	62	105	1222	162	130	48	26

Contd....

Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Iceland	0	122	0	0	14	0	124	0	0	25
Ireland	0	1986	0	0	0	0	1912	0	0	0
Italy	2257	13023	124	2	684	2415	14162	128	2	985
Kazakhstan	0	142	0	0		0	24	0	0	835
Kosovo	0	2	0	8		0	2	0	2	0
Latvia	0	68	0	0	0	0	67	0	0	0
Lithuania	0	275	0	0		0	225	0	0	16
Luxembourg	0	68	0	0	1	0	81	0	0	1
Montenegro	0	0	0	5		0	0	0	5	0
Netherlands	4225	35957	0	78	1069	4589	44870	0	36	735
Norway	0	781	0	0	411	0	660	0	0	426
Other Americas	0	744	0	0		0	210	0	0	0
Poland	3630	9715	0	311	209	2210	6089	0	289	123
Portugal	0	5666	0	0	11	0	4911	0	0	13
Republic of Moldova	0	199	0	0		0	99	0	0	0
Romania	0	188	677	0		10	147	641	213	808
Russian Federation	978	25735	0	2321	105	633	21091	0	2296	73
Serbia	0	149	0	488		0	179	0	336	664
Slovak Republic	2732	1076	0	490	245	2686	871	0	494	153
Slovenia	0	11	372	0	30	0	13	361	11	28
Spain	1767	17410	0	0	261	1767	12063	0	0	186
Sweden	1667	1064	0	0	96	2047	1053	0	0	103
Switzerland	0	52	0	123	15	0	47	0	133	16
Turkey	5274	32978	0	0	630	5794	30422	0	0	590
Ukraine	12360	7418	0	0		8109	7539	0	0	1612
United Kingdom	2692	5802	0	0	943	2781	5713	0	0	1222
Total Europe	**64362**	**219674**	**1500**	**4320**	**9324**	**58572**	**219596**	**1491**	**4288**	**13623**
Australia	42	18	0	0	186	20	10	0	0	189
New Zealand	0	74	388	0	0	0	74	379	0	0
Total Australia and Oceania	**42**	**92**	**388**	**0**	**186**	**20**	**84**	**379**	**0**	**189**
Algeria	0	0	0	0		0	0	0	0	78
Benin	0	0	0	0		0	120	0	0	0
Botswana	0	0	0	0		0	0	0	0	0
Egypt	598	0	0	0		257	0	0	0	371
Ethiopia	0	487	0	0		0	442	0	0	0
Kenya	0	529	0	0		0	557	0	0	0
Mauritius	0	1431	0	0		0	926	0	0	0
Morocco	0	6809	0	0		0	6724	0	0	0
Mozambique	0	0	0	0		0	0	0	0	0
Namibia	0	6	0	0		0	0	0	0	0

Contd....

Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Niger	0	0	0	0		0	0	0	0	0
Nigeria	0	79	0	0		0	0	0	0	0
Other Africa	0	1061	0	0		0	1061	0	0	0
Senegal	0	613	0	0		0	737	0	0	0
South Africa	0	0	0	0		530	0	0	0	0
United Republic of Tanzania	0	0	0	0		0	0	0	0	0
Zambia	0	0	0	0		0	0	0	0	0
Zimbabwe	0	24	0	0		0	24	0	0	0
Total Africa	**598**	**11039**	**0**	**0**	**0**	**787**	**10591**	**0**	**0**	**449**
Bangladesh	0	2614	0	56		0	2184	0	0	0
Cambodia	0	0	2382	0		0	0	1429	0	0
Chinese Taipei	6599	48688	12304	0		6581	46514	12532	0	201
Democratic People's Republic	0	706	0	0		0	1240	0	0	200
Hong Kong (China)	0	10503	0	0		0	11161	0	0	0
India	47003	84282	76987	0		47041	75777	70824	0	3072
Indonesia	3741	0	0	0		3899	0	0	0	0
Islamic Republic of Iran	218	15	0	0		319	15	0	0	26
Israel	0	8516	0	0	0	0	8795	0	0	0
Japan	47347	140163	0	0	1213	48294	137676	0	0	1987
Jordan	0	156	0	0		0	315	0	0	28
Korea	35676	105136	7423	0	334	35254	92638	6569	0	340
Kyrgyzstan	0	1237	0	31		0	794	0	5	0
Lebanon	0	262	0	0		0	257	0	0	0
Malaysia	0	31479	0	0		0	27238	0	0	0
Mongolia	0	2	0	0		0	1	0	0	0
Myanmar	0	0	0	288		0	0	0	437	0
Nepal	0	911	0	0		0	1128	0	0	0
Other Asia	0	1131	0	0		0	833	0	0	0
Pakistan	0	10039	0	0		0	5165	0	0	0
People's Republic of China	69899	201205				59307	196297			1
Philippines	0	17426	3417	128		0	15157	4537	250	336
Singapore	0	732	0	0		0	681	0	0	11
Sri Lanka	0	2270	0	0		0	2405	0	0	0
Syrian Arab Republic	0	0	0	0		0	0	0	0	1
Tajikistan	0	6	0	0		0	10	0	0	0
Thailand	31	23344	0	180		0	22581	0	55	30
United Arab Emirates	1184	332	0	0		2172	609	0	0	1
Uzbekistan	0	0	0	0		0	0	0	20	0
Viet Nam	0	12679	3829	0		0	10778	2421	0	202
Yemen	0	409	0	0		0	121	0	0	0
Total Asia	**211698**	**704243**	**106342**	**683**	**1547**	**202867**	**660370**	**98312**	**767**	**6436**
World	**293980**	**972896**	**114868**	**5111**	**13874**	**278739**	**929121**	**105280**	**5155**	**24818**

Source: International Energy Agercy (IEA)

Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	28945	1982	49	84	5	28039	2192	13	86	44
Mexico	0	3	0	0	99	0	2	0	0	0
United States	50126	29996	7812	21	1097	37131	14652	2874	19	907
Total North America	**79071**	**31981**	**7861**	**105**	**1201**	**65170**	**16846**	**2887**	**105**	**951**
Costa Rica	0	0	0	0		0	0	0	0	0
Cuba	0	0	0	0		0	0	0	0	0
Dominican Republic	0	0	0	0		0	0	0	0	0
Guatemala	0	0	0	0		0	0	0	0	0
Honduras	0	0	0	0		0	0	0	0	0
Jamaica	0	0	0	0		0	0	0	0	0
Panama	0	0	0	0		0	0	0	0	0
Total South America	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Argentina	0	3	0	0		0	11	0	0	43
Bolivarian Republic of Venezu	0	312	0	0		0	580	0	0	0
Brazil	0	0	0	0	0	0	0	0	0	0
Chile	0	914	0	0	46	0	870	0	0	146
Colombia	2951	83167	0	0		1205	82120	0	0	1773
Peru	0	294	0	0		0	165	0	0	0
Uruguay	0	0	0	0		0	0	0	0	0
South America	**2951**	**84690**	**0**	**0**	**46**	**1205**	**83746**	**0**	**0**	**1962**
Albania	0	0	0	55		0	0	0	0	0
Armenia	0	0	0	0		0	0	0	0	0
Austria	0	0	0	0	0	0	0	0	0	0
Belarus	0	167	0	0		0	36	0	0	0
Belgium	0	72	0	0	9	0	66	0	0	7
Bosnia and Herzegovina	0	0	0	241		0	0	0	258	377
Bulgaria	0	0	0	21		0	0	0	17	0
Croatia	0	0	0	0		0	0	0	0	0
Cyprus	0	0	0	0		0	0	0	0	0
Czech Republic	1466	948	0	948	631	2088	1428	0	855	543
Denmark	0	0	0	0	0	0	21	0	0	0
Estonia	0	0	0	0	19	0	0	0	0	13
Finland	14	0	0	0	100	0	0	0	0	54
Macedonia	0	0	2	1		0	0	2	0	0
France	0	0	0	0	6	0	0	0	0	83
Georgia	0	0	0	2		0	0	0	2	0
Germany	0	222	0	0	842	0	278	0	0	715
Greece	0	6	0	0	0	0	0	0	0	0
Hungary	0	0	0	2	327	0	0	0	211	424
Iceland	0	0	0	0	0	0	0	0	0	0
Ireland	0	12	0	0	0	0	10	0	0	0
Italy	0	46	0	0	327	0	0	0	0	374

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Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Kazakhstan	1127	23782	0	2227		1127	22662	0	2204	4
Kosovo	0	0	0	14		0	0	0	18	0
Latvia	0	6	0	0	0	0	6	0	0	0
Lithuania	0	0	0	0		0	0	0	0	0
Luxembourg	0	0	0	0	0	0	0	0	0	0
Montenegro	0	0	0	97		0	0	0	42	0
Netherlands	0	24420	0	0	1144	0	34579	0	0	766
Norway	0	75	0	0	0	0	912	0	0	0
Other Americas	0	0	0	0		0	0	0	0	0
Poland	2753	4312	0	256	6513	2438	6658	0	212	6970
Portugal	0	0	0	0	0	0	0	0	0	0
Republic of Moldova	0	0	0	0		0	0	0	0	0
Romania	0	0	0	0		0	0	0	3	0
Russian Federation	22755	158263	0	8701	2920	21743	144093	0	5272	2261
Serbia	0	0	0	72		0	0	0	66	0
Slovak Republic	0	0	0	0	4	0	0	0	0	13
Slovenia	0	0	0	0	0	0	0	0	0	0
Spain	0	264	0	0	132	0	453	0	0	137
Sweden	0	0	0	0	30	0	0	0	0	28
Switzerland	0	0	0	0	0	0	0	0	0	0
Turkey	9	91	0	0	5	4	57	0	0	5
Ukraine	560	76	0	0		336	184	0	0	257
United Kingdom	2	493	0	0	0	1	443	0	0	0
Total Europe	**28686**	**213255**	**2**	**12637**	**13009**	**27737**	**211886**	**2**	**9160**	**13031**
Australia	177199	201739	0	0	588	187998	201303	0	0	712
New Zealand	1142	0	44	0	0	1187	0	0	0	0
Total Australia and Oceania	**178341**	**201739**	**44**	**0**	**588**	**189185**	**201303**	**0**	**0**	**712**
Algeria	0	0	0	0		0	0	0	0	0
Benin	0	0	0	0		0	0	0	0	0
Botswana	0	95	0	0		0	205	0	0	0
Egypt	0	0	0	0		0	0	0	0	76
Ethiopia	0	0	0	0		0	0	0	0	0
Kenya	0	0	0	0		0	0	0	0	0
Mauritius	0	0	0	0		0	0	0	0	0
Morocco	0	0	0	0		0	0	0	0	0
Mozambique	6953	4827	0	0		3863	5374	0	0	0
Namibia	0	0	0	0		0	0	0	0	0
Niger	0	0	0	0		0	0	0	0	0
Nigeria	0	0	0	0		0	0	0	0	0
Other Africa	0	483	0	0		0	483	0	0	0
Senegal	0	0	0	0		0	0	0	0	0
South Africa	1153	69812	0	0		1039	68905	0	0	0

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Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
United Republic of Tanzania	0	0	0	0		0	0	0	0	0
Zambia	0	0	0	0		0	0	0	0	0
Zimbabwe	0	0	0	0		0	0	0	0	211
Total Africa	**8106**	**75217**	**0**	**0**	**0**	**4902**	**74967**	**0**	**0**	**287**
Bangladesh	0	0	0	0		0	0	0	0	0
Cambodia	0	0	0	0		0	0	0	0	0
Chinese Taipei	0	1	0	0		0	1	0	0	0
Democratic People's Republic	0	2671	0	0		0	22586	0	0	0
Hong Kong (China)	0	0	0	0		0	0	0	0	0
India	68	1435	0	0		27	911	0	1	149
Indonesia	1840	139942	248795	0		3340	129046	240530	0	0
Islamic Republic of Iran	223	0	0	0		103	0	0	0	1
Israel	0	0	0	0	0	0	0	0	0	0
Japan	0	2	0	0	1223	0	2	0	0	1014
Jordan	0	0	0	0		0	0	0	0	0
Korea	0	0	0	0	0	0	0	0	0	0
Kyrgyzstan	0	101	0	0		0	250	0	91	0
Lebanon	0	0	0	0		0	0	0	0	0
Malaysia	0	797	0	0		0	24	0	0	0
Mongolia	25730	7261	0	408		20424	3130	0	553	0
Myanmar	0	0	0	0		0	0	0	13	0
Nepal	0	0	0	0		0	0	0	0	0
Other Asia	0	161	0	0		0	5	0	0	54
Pakistan	0	0	0	0		0	0	0	0	0
People's Republic of China	2229	5816				1203	7448			10119
Philippines	0	0	5830	0		0	0	6835	0	0
Singapore	0	0	0	0		0	0	0	0	0
Sri Lanka	0	0	0	0		0	0	0	0	0
Syrian Arab Republic	0	0	0	0		0	0	0	0	0
Tajikistan	0	5	0	0		0	0	0	0	0
Thailand	0	46	0	0		0	34	0	0	0
United Arab Emirates	0	0	0	0		0	0	0	0	0
Uzbekistan	0	0	0	0		0	0	0	41	0
Viet Nam	0	2225	0	0		0	1243	0	0	183
Yemen	0	0	0	0		0	0	0	0	0
Total Asia	**30090**	**160463**	**254625**	**408**	**1223**	**25097**	**164680**	**247365**	**699**	**11520**
World	**327245**	**767345**	**262532**	**13150**	**16067**	**313296**	**753428**	**250254**	**9964**	**28463**

Source: International Energy Agency (IEA)

Table 10.8 : Supply of Coal and Coke by Major Exporting Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	2378	3137	22886	8713	2957	2283	3012	22283	8832	3138
Mexico	4852	6236	8851	453	2477	4698	6644	8970	276	2383
United States	14384	259061	317035	67218	10810	15916	240610	319843	64342	10721
Total North America	**21614**	**268434**	**348772**	**76384**	**16244**	**22897**	**250266**	**351096**	**73450**	**16242**
Costa Rica	0	1	0	0	124	0	0	0	0	
Cuba	0	2	0	0	1	0	2	0	0	
Dominican Republic	0	1085	0	0	475	0	1041	0	0	
Guatemala	0	1803	0	0	0	0	1996	0	0	
Honduras	0	164	0	0	0	0	172	0	0	
Jamaica	0	73	0	0	0	0	122	0	0	
Panama	0	300	0	0	0	0	87	0	0	
Total South America	**0**	**3428**	**0**	**0**	**600**	**0**	**3420**	**0**	**0**	**0**
Argentina	551	686	0	0	609	559	617	0	0	
Venezuela	0	169	0	0	0	0	437	0	0	
Brazil	10398	8826	3555	2868	10317	11666	9252	3617	1492	11238
Chile	467	12492	0	0	326	575	12122	0	0	323
Colombia	3147	6059	0	0	596	3031	4063	0	0	
Peru	0	1150	0	0	87	0	1179	0	0	
Uruguay	0	5	0	0	0	0	4	0	0	
South America	**14563**	**29387**	**3555**	**2868**	**11935**	**15831**	**27674**	**3617**	**1492**	**11561**
Albania	0	87	0	0	0	0	196	0	0	
Armenia	0	2	0	0	0	0	0	0	0	
Austria	1816	1630	70	10	2276	1763	1586	66	10	2298
Belarus	0	618	0	0	50	0	647	0	0	
Belgium	1638	2022	0	0	1422	1621	2098	0	0	1454
Bosnia and Herzegovina	1238	0	0	13799	428	1379	0	0	13950	
Bulgaria	0	901	0	31001	100	0	881	0	34255	
Croatia	0	1020	0	50	29	0	600	0	49	
Cyprus	0	0	0	0	0	0	5	0	0	
Czech Republic	3117	4771	0	38216	2162	3402	3573	0	37727	2059
Denmark	0	3387	0	0	12	0	2652	0	0	12
Estonia	0	27	0	0	0	0	45	0	0	0
Finland	1200	3696	0	0	1068	1187	3197	0	0	1011
Macedonia	0	29	175	5227	2	0	34	121	5243	
France	4343	8391	0	107	3323	4514	9304	0	58	3514
Georgia	0	95	0	287	126	0	162	0	270	
Germany	15132	45358	0	171041	11060	14652	36157	0	171367	10298
Greece	0	333	0	34230	0	0	373	0	37664	0
Hungary	1223	178	134	9046	505	1316	180	143	7979	727
Iceland	0	124	0	0	25	0	122	0	0	14
Ireland	0	2245	0	0	0	0	1788	0	0	0
Italy	2440	14474	128	2	2451	2309	12899	124	2	2305

Contd....

Table 10.8 : Supply of Coal and Coke by Major Exporting Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Kazakhstan	14341	61244	0	3723	3691	14341	61118	0	3512	
Kosovo	0	2	0	9052	0	0	2	0	7726	
Latvia	0	71	0	0	0	0	70	0	0	0
Lithuania	0	246	1	0	16	0	252	0	0	
Luxembourg	0	81	0	0	1	0	68	0	0	1
Montenegro	0	0	0	1361	0	0	0	0	1383	
Netherlands	4356	12121	0	36	1979	4394	10276	0	78	1977
Norway	0	712	0	0	411	0	832	0	0	425
Other Americas	0	210	0	0	0	0	744	0	0	
Poland	13178	61540	0	60390	2916	13374	61105	0	61167	3244
Portugal	0	4801	0	0	12	0	5450	0	0	12
Republic of Moldova	0	125	0	0	0	0	223	0	0	
Romania	10	126	659	23218	829	1	181	651	24783	
Russian Federation	62654	85398	0	69430	37254	62733	94861	0	70295	37081
Serbia	0	189	0	38992	662	0	133	0	40166	
Slovak Republic	2718	948	0	2420	1770	2720	1084	0	2281	1792
Slovenia	0	11	372	3376	27	0	11	403	3339	30
Spain	1862	15950	1380	0	1922	1746	18662	2147	0	2246
Sweden	1542	1131	0	0	1262	1513	1089	0	0	1325
Switzerland	0	51	0	130	16	0	52	0	123	15
Turkey	6296	30728	1557	67950	5056	6390	33165	1495	71700	5145
Ukraine	18278	35570	0	0	14238	17036	29712	0	0	
United Kingdom	2775	15108	0	0	2461	3029	11344	0	0	2316
Total Europe	**160157**	**415751**	**4476**	**583094**	**99562**	**159420**	**406933**	**5150**	**595127**	**79301**
Australia	3567	25956	25670	61473	2137	3602	29934	26918	57261	2284
New Zealand	74	105	1917	307	502	64	104	1921	322	509
Total Australia and Oceania	**3641**	**26061**	**27587**	**61780**	**2639**	**3666**	**30038**	**28839**	**57583**	**2793**
Algeria	0	0	0	0	0	0	0	0	0	
Benin	0	120	0	0	0	0	0	0	0	
Botswana	0	1672	0	0	0	0	2127	0	0	
Egypt	257	0	0	0	512	598	0	0	0	
Ethiopia	0	442	0	0	0	0	487	0	0	
Kenya	0	557	0	0	0	0	529	0	0	
Mauritius	0	926	0	0	0	0	1431	0	0	
Morocco	0	6490	0	0	0	0	6745	0	0	
Mozambique	0	17	0	0	0	0	17	0	0	
Namibia	0	34	0	0	0	0	6	0	0	
Niger	0	0	0	247	0	0	0	0	247	
Nigeria	0	46	0	0	0	0	125	0	0	
Other Africa	0	815	0	0	0	0	778	0	0	
Senegal	0	737	0	0	0	0	613	0	0	
South Africa	3233	182662	0	0	1940	3263	182879	0	0	

Contd....

Table 10.8 : Supply of Coal and Coke by Major Exporting Countries during 2016 & 2017 e

(Quantity in Thousand Tonnes)

Country	2016					2017 e				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
United Republic of Tanzania	0	276	0	0	0	0	563	0	0	
Zambia	0	328	0	0	0	0	328	0	0	
Zimbabwe	451	2636	0	0	121	466	2186	0	0	
Total Africa	**3941**	**197758**	**0**	**247**	**2573**	**4327**	**198814**	**0**	**247**	**0**
Bangladesh	0	3403	0	0	0	0	3775	0	56	
Cambodia	0	0	1429	0	0	0	0	2382	0	
Chinese Taipei	6513	47718	11089	0	6434	6599	48687	12304	0	
Democratic People's Republic	0	6959	2755	0	200	0	6959	2755	0	
Hong Kong (China)	0	11161	0	0	0	0	10503	0	0	
India	101688	684180	70824	45229	36906	88515	728652	76987	47452	
Indonesia	3899	390	90171	0	0	3741	300	96730	0	
Islamic Republic of Iran	1125	221	0	0	1182	904	221	0	0	
Israel	0	9185	0	0	0	0	8279	0	0	0
Japan	48294	138962	0	0	33991	47347	141483	0	0	32598
Jordan	0	315	0	0	28	0	156	0	0	
Korea	35758	92583	6569	0	16264	36126	106912	7423	0	16407
Kyrgyzstan	0	911	0	1292	0	0	1384	0	1634	
Lebanon	0	257	0	0	0	0	262	0	0	
Malaysia	0	29861	0	0	0	0	33567	0	0	
Mongolia	41	2367	0	5866	28	43	2505	0	6209	
Myanmar	0	317	0	657	0	0	317	0	521	
Nepal	0	1149	0	0	0	0	932	0	0	
Other Asia	0	2459	0	14383	0	0	2578	0	15374	
Pakistan	0	8749	0	504	0	0	13271	0	1209	
People's Republic of China	601236	3041536			453968	607248	3046452			
Philippines	0	15157	9301	250	336	0	17426	9512	128	
Singapore	0	681	0	0	11	0	732	0	0	
Sri Lanka	0	2082	0	0	0	0	2270	0	0	
Syrian Arab Republic	0	0	0	0	1	0	0	0	0	
Tajikistan	0	1321	0	50	0	0	1708	0	53	
Thailand	0	17575	0	16942	66	90	17701	0	16315	
United Arab Emirates	2172	609	0	0	1	1184	332	0	0	
Uzbekistan	0	360	0	3968	0	0	376	0	3624	
Viet Nam	0	47387	2421	0	19	0	50836	3829	0	
Yemen	0	121	0	0	0	0	409	0	0	
Total Asia	**800726**	**4167976**	**194559**	**89141**	**549435**	**791797**	**4248985**	**211922**	**92575**	**49005**
World	**1004642**	**5108795**	**578949**	**813514**	**682988**	**997938**	**5166130**	**600624**	**820474**	**158902**

Source: International Energy Agency (IEA)

Section XI

Mine Statistics

11.1.1 Mine statistics in terms of number and distribution of mines has been drawing attention of policy makers in the country. This section, therefore, deals with this aspect in detail. The information has been provided in tabular form in nine tables to describe Number of Mines, company-wise (Table11.1), Number of Mines, State-wise (Table11.2), Number of Mines, Sector-wise (Table11.3), Number of Mines, Captive/ Non Captive (Table11.4), Number of Mines, Public / Private, Captive/Non Captive (Table11.5), Number of Working Coal Mines (Table11.6), Number of working Lignite Mines (Table11.7), Number of Mines - State-wise, Public/ private, Captive/ Non captive (Table11.8), and Number of Lignite Mines, State-wise, Public/ private, Captive/ Non captive (Table11.9) as on 31.03.2018.

11.1.2 As on 31.03.2018, the total number of operating coal mines was 455. 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 31.03.2018

State	No. of coal mines		
	Captive	Non-Captive	Total
Arunachal Pradesh	0	1	**1**
Assam	0	4	**4**
Chhattisgarh	8	47	**55**
Jammu & Kashmir	0	2	**2**
Jharkhand	3	117	**120**
Madhya Pradesh	3	58	**61**
Maharashtra	2	56	**58**
Meghalaya	0	3	**3**
Odisha	1	25	**26**
Uttar Pradesh	0	4	**4**
Telangana	0	49	**49**
West Bengal	1	71	**72**
All India	**18**	**437**	**455**

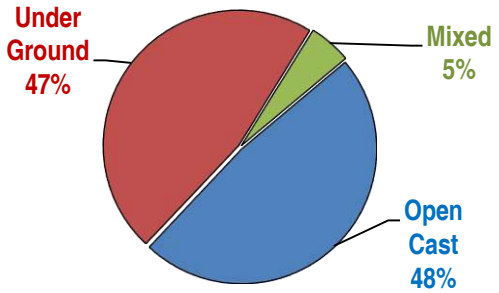
11.1.3 As on 31.03.2018, the total number of operating lignite mines was reported to be 19. The state-wise distribution of these lignite mines is given in statement 11.2.

Statement 11.2: state-wise distribution of lignite mines as on 31.03.2018

State	No. of coal mines		
	Captive	Non-Captive	Total
Gujarat	9	0	**9**
Rajasthan	5	1	**6**
Tamilnadu		3	**3**
All India	**14**	**4**	**18**

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-II : Type of Coal Mines in India as on 31/03/2018 [OC, UG & MIXED]



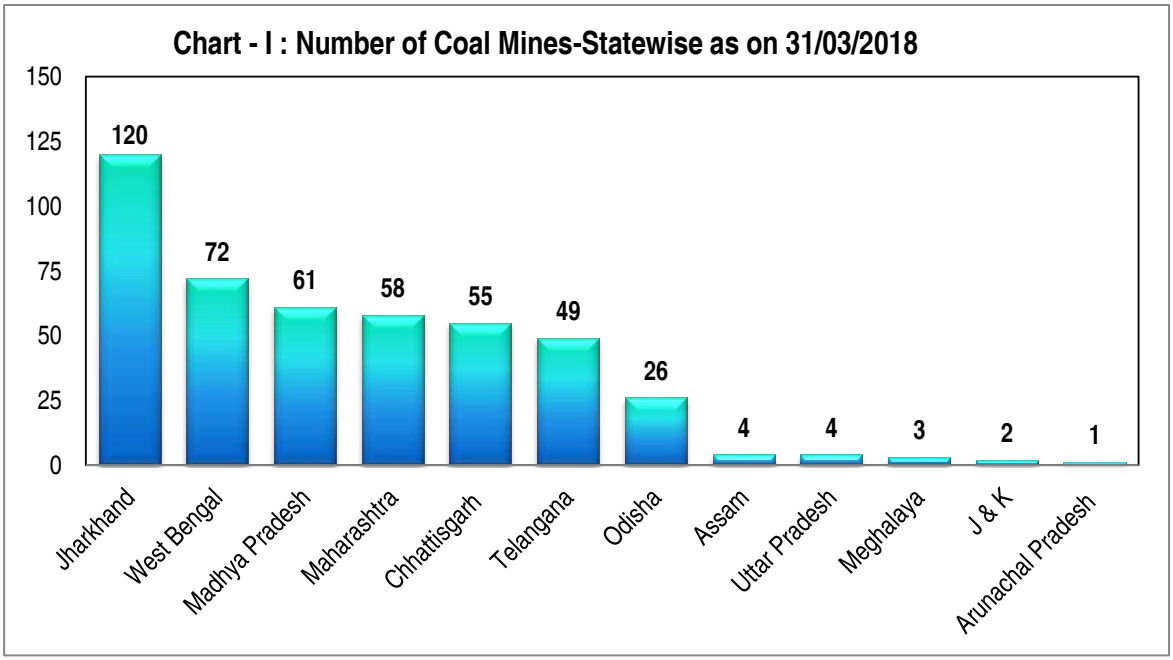


Chart - I : Number of Coal Mines-Statewise as on 31/03/2018
150
125
100
75
50
25
0
120
72
61
58
55
49
26
4
4
3
2
1
Jharkhand
West Bengal
Madhya Pradesh
Maharashtra
Chhattisgarh
Telangana
Odisha
Assam
Uttar Pradesh
Meghalaya
J & K
Arunachal Pradesh

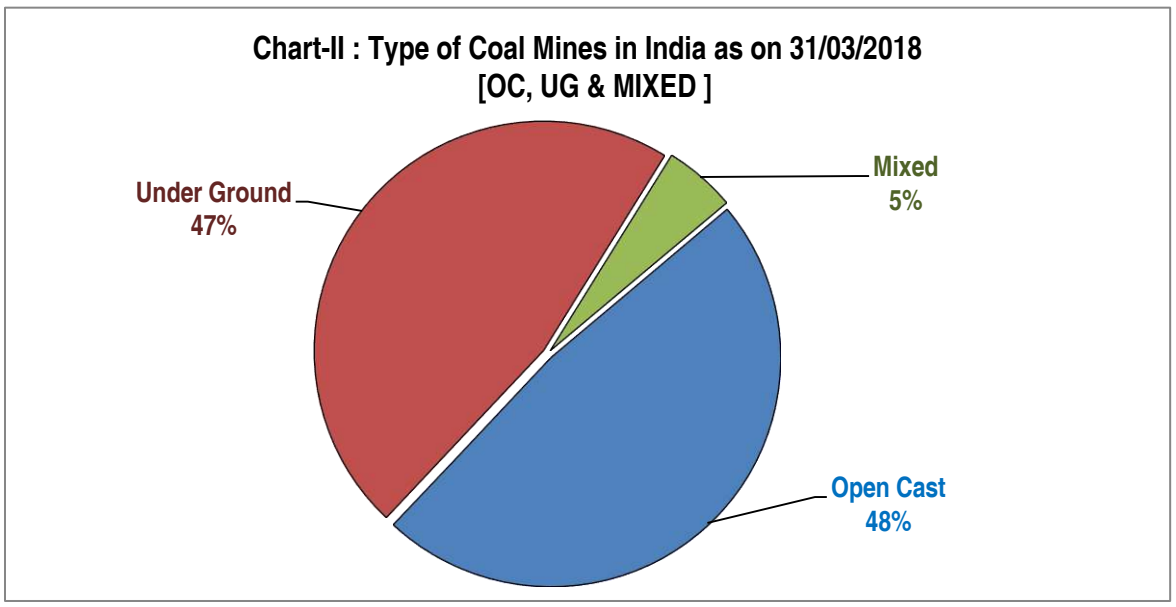


Chart-II : Type of Coal Mines in India as on 31/03/2018
[OC, UG & MIXED]
Under Ground
47%
Mixed
5%
Open Cast
48%

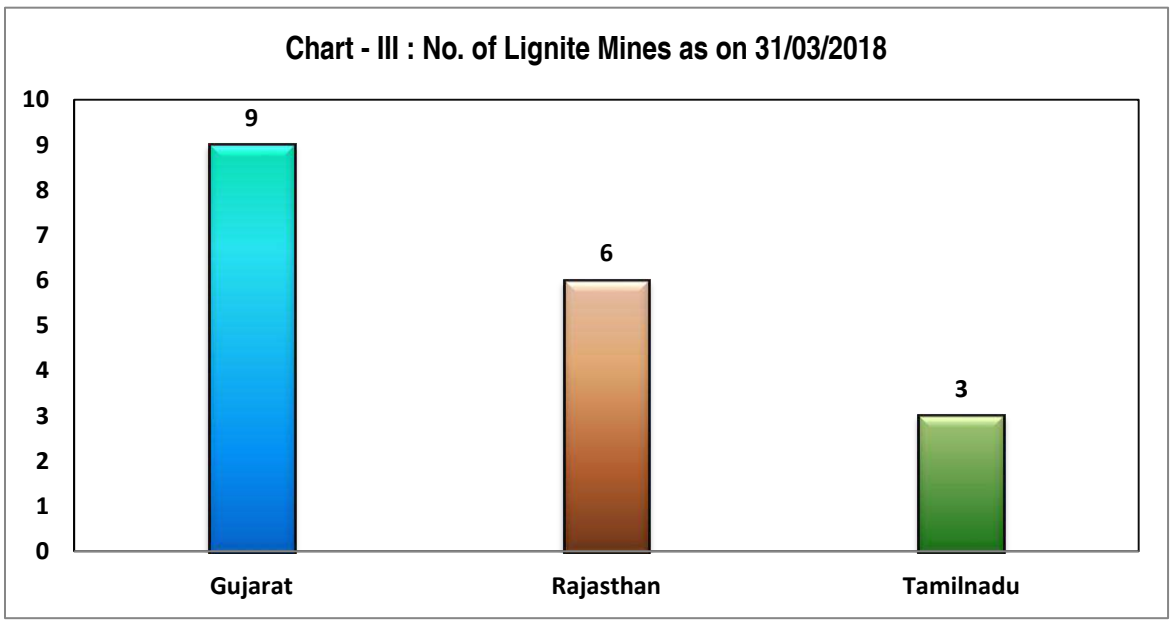


Chart - III : No. of Lignite Mines as on 31/03/2018
10
9
8
7
6
5
4
3
2
1
0
9
6
3
Gujarat
Rajasthan
Tamilnadu

Table 11.1: Number of Coal & Lignite Mines -Companywise as on 31/03/2018

Coal / Lignite	Company	Number of Mines			
		OC	UG	Mixed	**Total**
(1)	(2)	(3)	(4)	(5)	**(6)**
Coal	ECL	19	54	10	**83**
	BCCL	19	11	7	**37**
	CCL	43	11	0	**54**
	NCL	10	0	0	**10**
	WCL	42	37	1	**80**
	SECL	23	52	0	**75**
	SECL(GP-IV/2&3)	2	0	0	**2**
	SECL(GP-IV/1)	1	0	0	**1**
	MCL	17	8	0	**25**
	NEC	4	1	0	**5**
	CIL	**180**	**174**	**18**	**372**
	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**
	RRVUNL	2	0	0	**2**
	NTPC	1	0	0	**1**
	PUBLIC	**205**	**207**	**21**	**433**
	TSL	3	4	1	**8**
	MEG	3	0	0	**3**
	CESC	1	0	0	**1**
	HIL	2	0	1	**3**
	SPL	1	0	0	**1**
	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**
	PRIVATE	**14**	**6**	**2**	**22**
	Total	**219**	**213**	**23**	**455**
Lignite	NLCL	4			**4**
	GMDCL	6			**6**
	GIPCL	2			**2**
	GHCL	1			**1**
	RSMML	3			**3**
	VSLPPL	1			**1**
	BLMCL	1			**1**
	Total	**18**			**18**

Table 11.2: Number of Coal & Lignite Mines -Statewise as on 31/03/2018

Coal / Lignite	States	Number of Mines			
		OC	UG	Mixed	**Total**
(1)	(2)	(3)	(4)	(5)	**(6)**
Coal	Arunachal Pradesh	1	0	0	**1**
	Assam	3	1	0	**4**
	Chhattisgarh	25	29	1	**55**
	J & K	0	2	0	**2**
	Jharkhand	77	33	10	**120**
	Madhya Pradesh	19	41	1	**61**
	Maharashtra	37	21	0	**58**
	Meghalaya	3	0	0	**3**
	Odisha	18	8	0	**26**
	Telangana	19	30	0	**49**
	Uttar Pradesh	4	0	0	**4**
	West Bengal	13	48	11	**72**
	All India	**219**	**213**	**23**	**455**
Lignite	Gujarat	9			**9**
	Tamilnadu	3			**3**
	Rajasthan	5			**5**
	All India	**17**			**17**

Table 11.3: Number of Mines -Sectorwise as on 31/03/2018

Type	Sector	Number of Mines			
		OC	UG	Mixed	**Total**
(1)	(2)	(3)	(4)	(5)	**(6)**
COAL :	Public	205	207	21	**433**
	Private	14	6	2	**22**
	Total	**219**	**213**	**23**	**455**
LIGNITE :	Public	16			**16**
	Private	2			**2**
	Total	**18**			**18**

Table 11.4: Number of Mines -Captive/Non Captive as on 31/03/2018

Type	Sector	Number of Mines			
		OC	UG	Mixed	**Total**
(1)	(2)	(3)	(4)	(5)	**(6)**
COAL :	Captive	15	2	1	**18**
	Non Captive	204	211	22	**437**
	Total	**219**	**213**	**23**	**455**
LIGNITE :	Captive	14			**14**
	Non Captive	4			**4**
	Total	**18**			**18**

Table 11.5: Number of Mines -Public/Private, Captive/Non Captive as on 31/03/2018

Type	Sector	No. of Collieries			
		OC	UG	Mixed	**Total**
(1)	(2)	(3)	(4)	(5)	**(6)**
COAL :	Public Non-Captive	198	207	21	**426**
	Private Non-Captive	6	4	1	**11**
	Public Captive	7	0	0	**7**
	Private Captive	8	2	1	**11**
	Total	**219**	**213**	**23**	**455**
LIGNITE :	Public Captive	12			**12**
	Public Non-Captive	4			**4**
	Private Captive	2			**2**
	Private Non-Captive	0			**0**
	Total	**18**			**18**

Table 11.6: Number of Working Coal Mines as on 31/03/2018

(including non-producing but not closed and under construction mines)

Company	Arunachal Pradesh			Assam			Chhattisgarh				J & K			Jharkhand				Madhya Pradesh			
	OC	UG	TOTAL	OC	UG	TOTAL	OC	UG	Mixed	TOTAL	OC	UG	TOTAL	OC	UG	Mixed	TOTAL	OC	UG	Mixed	TOTAL
(1)	(5)	(6)	(1)	(2)	(3)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
ECL						0				0			0	8	6	1	15				0
BCCL						0				0			0	18	11	7	36				0
CCL						0				0			0	43	11		54				0
NCL						0				0			0				0	6			6
WCL						0				0			0				0	6	17	1	24
SECL						0	18	29	0	47			0				0	5	23		28
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	1		1	3	1	4				0			0				0				0
CIL	**1**	**0**	**1**	**3**	**1**	**4**	**21**	**29**	**0**	**50**	**0**	**0**	**0**	**69**	**28**	**8**	**105**	**17**	**40**	**1**	**58**
SCCL			0			0				0			0				0				0
JKML			0			0				0		2	2				0				0
JSMDCL			0			0				0			0	1			1				0
DVC			0			0				0			0	1			1				0
IISCO			0			0				0			0		1	1	2				0
SAIL			0			0				0			0	1			1				0
RRVUNL			0			0	2			2			0				0				0
NTPC			0			0				0			0	1			1				0
PUBLIC	**1**	**0**	**1**	**3**	**1**	**4**	**23**	**29**	**0**	**52**	**0**	**2**	**2**	**73**	**29**	**9**	**111**	**17**	**40**	**1**	**58**
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	1			1
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
PRIVATE	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**1**	**3**	**0**	**0**	**0**	**4**	**4**	**1**	**9**	**2**	**1**	**0**	**3**
Total	**1**	**0**	**1**	**3**	**1**	**4**	**25**	**29**	**1**	**55**	**0**	**2**	**2**	**77**	**33**	**10**	**120**	**19**	**41**	**1**	**61**

Contd...

Table 11.6: Number of Working Coal Mines as on 31/03/2018
(including non-producing but not closed and under construction mines)

Company	Maharashtra				Meghalaya		Odisha			UP		Telangana			West Bengal				**All India**			
	OC	UG	Mixed	TOTAL	OC	TOTAL	OC	UG	TOTAL	OC	TOTAL	OC	UG	TOTAL	OC	UG	Mixed	TOTAL	**OC**	**UG**	**Mixed**	**TOTAL**
(26)	(27)	(28)	(29)	(30)	(40)	(41)	(31)	(32)	(33)	(34)	(35)	(2)	(3)	(4)	(36)	(37)	(38)	(39)	(42)	(43)	(44)	(45)
ECL				0		0			0		0			0	11	48	9	68	**19**	**54**	**10**	**83**
BCCL				0		0			0		0			0	1			1	**19**	**11**	**7**	**37**
CCL				0		0			0		0			0				0	**43**	**11**	**0**	**54**
NCL				0		0			0	4	4			0				0	**10**	**0**	**0**	**10**
WCL	36	20		56		0			0		0			0				0	**42**	**37**	**1**	**80**
SECL				0		0			0		0			0				0	**23**	**52**	**0**	**75**
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	**4**	**1**	**0**	**5**
CIL	**36**	**20**	**0**	**56**	**0**	**0**	**17**	**8**	**25**	**4**	**4**	**0**	**0**	**0**	**12**	**48**	**9**	**69**	**180**	**174**	**18**	**372**
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**
RRVUNL				0		0			0		0			0				0	**2**	**0**	**0**	**2**
NTPC				0		0			0		0			0				0	**1**	**0**	**0**	**1**
PUBLIC	**36**	**20**	**0**	**56**	**0**	**0**	**17**	**8**	**25**	**4**	**4**	**19**	**30**	**49**	**12**	**48**	**11**	**71**	**205**	**207**	**21**	**433**
TSL				0		0			0		0			0				0	**3**	**4**	**1**	**8**
MEG					3	3			0		0			0				0	**3**	**0**	**0**	**3**
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	**1**	**0**	**0**	**1**
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**
PRIVATE	**1**	**1**	**0**	**2**	**3**	**3**	**1**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**14**	**6**	**2**	**22**
Total	**37**	**21**	**0**	**58**	**3**	**3**	**18**	**8**	**26**	**4**	**4**	**19**	**30**	**49**	**13**	**48**	**11**	**72**	**219**	**213**	**23**	**455**

Table 11.7: Number of Working Lignite Mines as on 31/03/2018

Company	Captive & Non Captive	Public & Private	GUJARAT			TAMILNADU			RAJASTHAN			**All India**		
			OC	UG	**TOTAL**	OC	UG	**TOTAL**	OC	UG	**TOTAL**	**OC**	**UG**	**TOTAL**
(1)	(2)	(3)	(4)	(5)	**(6)**	(7)	(8)	**(9)**	(10)	(11)	**(12)**	**(13)**	**(14)**	**(15)**
NLCL	Non Captive	Public			**0**	3		**3**	1		**1**	**4**	**0**	**4**
GMDCL	Captive	Public	6		**6**			**0**			**0**	**6**	**0**	**6**
GIPCL	Captive	Public	2		**2**			**0**			**0**	**2**	**0**	**2**
GHCL	Captive	Private	1		**1**			**0**			**0**	**1**	**0**	**1**
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			**9**	**0**	**9**	**3**	**0**	**3**	**6**	**0**	**6**	**18**	**0**	**18**

TABLE 11.8: NO. OF COAL MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE AS WELL AS STATE-WISE BREAKUP as on 31/03/2018

State	Captive	Non-Captive	**Total**	Public	Private	**Total**
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Arunachal Pradesh	0	1	**1**	1	0	**1**
Assam	0	4	**4**	4	0	**4**
Chhattisgarh	8	47	**55**	52	3	**55**
Jammu & Kashmir	0	2	**2**	2	0	**2**
Jharkhand	3	117	**120**	111	9	**120**
Madhya Pradesh	3	58	**61**	58	3	**61**
Maharashtra	2	56	**58**	56	2	**58**
Meghalaya	0	3	**3**	0	3	**3**
Odisha	1	25	**26**	25	1	**26**
Uttar Pradesh	0	4	**4**	4	0	**4**
Telangana	0	49	**49**	49	0	**49**
West Bengal	1	71	**72**	71	1	**72**
All India	**18**	**437**	**455**	**433**	**22**	**455**

TABLE 11.9: NO. OF LIGNITE MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE AS WELL AS STATE-WISE BREAK UP as on 31/03/2018

State	Captive	Non-Captive	**Total**	Public	Private	**Total**
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gujarat	9	0	**9**	8	1	**9**
Rajasthan	5	1	**6**	5	1	**6**
Tamilnadu		3	**3**	3		**3**
All India	**14**	**4**	**18**	**16**	**2**	**18**

NOTE ON MEGHALAYA COAL

The Status of Coal Mining in the State of Meghalaya:-

In the last few years the state of Meghalaya has emerged as an important coal producer of the country. As reported by the Geological Survey of India, the quantum of coal reserve in Meghalaya as on 01-04-2018 is 576 Million Tonnes (89 Million Tonnes proved, 17 Million Tonnes Indicated and 471 Million Tonnes Inferred). The quantity of coal produced in the state during the previous 23 years is given below.

(Quantity in Million Tonnes)

Sl. No.	Year	Production
1	1995-1996	3.248
2	1996-1997	3.241
3	1997-1998	3.234
4	1998-1999	4.238
5	1999-2000	4.060
6	2000-2001	4.065
7	2001-2002	5.149
8	2002-2003	4.406
9	2003-2004	5.439
10	2004-2005	5.345
11	2005-2006	5.566
12	2006-2007	5.787
13	2007-2008	6.541
14	2008-2009	5.489
15	2009-2010	5.767
16	2010-2011	6.974
17	2011-2012	7.206
18	2012-2013	5.640
19	2013-2014	5.732
20	2014-2015	2.524
21	2015-2016	3.712
22	2016-2017	2.308
23	2017-2018	1.529

According to the Mining & Geology Deptt. of the Govt. of Meghalaya, ungraded type of coal is mined from the large number of small coal mines of Jaintia Hills, Garo Hills, Khasi Hills (East & West).

Area Wise Production of Coal in Meghalaya during Last Ten Years

(Quantity in Million Tonnes)

Years	Jaintia Hills	Garo Hills	Khasi Hills	**Total**
2008-09	2.891	1.004	1.594	**5.489**
2009-10	3.722	1.562	0.483	**5.767**
2010-11	4.743	1.940	0.291	**6.974**
2011-12	4.622	2.108	0.476	**7.206**
2012-13	2.870	2.380	0.390	**5.640**
2013-14	2.781	2.519	0.432	**5.732**
2014-15	1.601	0.395	0.528	**2.524**
2015-16	1.662	0.701	1.349	**3.712**
2016-17	0.597	0.279	1.432	**2.308**
2017-18	0.587	0.101	0.841	**1.529**

These mines are in unorganised sector (Private non-captive) and are mostly operated by the local tribal in their private lands.

Meghalaya coal is despatched by road as there is no rail link in the state. Coal extracted from this state is primarily despatched to the other North Eastern states and different Northern non-coal-producing states like Haryana, Himachal Pradesh, Punjab, Rajasthan etc. Besides, it is also exported to the neighboring countries, particularly to Bangladesh.

The availability of data on coal from the State of Meghalaya:-

The Directorate of Mineral Resources, Government of Meghalaya, collects production and despatch data on coal. The figures relating to despatch of coal are compiled by the Directorate from the monthly returns furnished by the different check gates. Since there is no other source of production data and small miners are expected to sell off their produce as soon as it is mined, production is assumed to be same as despatch.

Monthly Production /Despatch of Meghalaya coal during 2017-18

(Quantity in Million Tonnes)

Month	**Production**
April'17	0.127
May'17	0.127
June'17	0.127
July'17	0.127
August'17	0.127
September'17	0.127
October'17	0.127
November'17	0.127
December'17	0.127
January'18	0.127
February'18	0.127
March'18	0.132
Total 2017-18	**1.529**

ABBREVIATIONS **Annexure-II**

COAL COMPANIES:

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

LIGNITE COMPANIES:

NLC	Neyveli Lignite Corporation Limited - Public - Non Captive
GIPCL	Gujarat Industries Power Company Limited - Public - Captive
GMDCL	Gujarat Mineral Development Corporation Limited - Public - Captive
GHCL	Gujarat Heavy Chemical Limited - Private - Captive
RSMML	Rajasthan State Mines and Mineral Limited - Public - Captive
VSLPPL	V. S Lignite Power Limited - Private - Captive
BLMCL	Barmer Lignite Mining Company Limited - Public - Captive

O.C.	OPEN CAST
U.G.	UNDER GROUND
OBR	Over Burden Removal