



सत्यमेव जयते

कोल डाईरेक्टरी ऑफ इंडिया
COAL DIRECTORY OF INDIA
2014-15

कोयला सांख्यिकी
COAL STATISTICS

भारत सरकार
कोयला मंत्रालय
कोयला नियंत्रक का कार्यालय
कोलकाता

Government of India
Ministry of Coal
Coal Controller's Organisation
Kolkata



COAL DIRECTORY OF INDIA 2014-15

Coal Statistics



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

COAL DIRECTORY OF INDIA 2014-15

For any enquiry and suggestion please write to:-

Coal Controller's Organisation
1, Council House Street
Kolkata – 700 001
Tel: 91-33-2248-9616, 91-33-2248-8225
Fax : 91-33-2248-2459
E-mail : coalcont-wb@nic.in

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 2014-15 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.

Kolkata :
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(Anjani Kumar)
Coal Controller

Team Associated with the Publication

Sri Anjani Kumar	Coal Controller
Sri Sudip Kr. Ray	Deputy Director General
Sri Indradeep Roychowdhury	Deputy Director
Sri Sujoy Majumder	Officer on Special Duty
Sri Sadananda Mukherjee	Superintendent
Sri Goutam Bandyopadhyay	Accountant
Sri Sukumar Das	Assistant
Sri Pradyot Chowdhury	Assistant
Sri Sumanta Biswas	UDC
Smt Ruma Nayak	UDC
Sri Chandan Bandopadhyay	UDC
Ms. Manashi Goswami	Jr. Computer

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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, Sumner & Heatley applied to M/s. East India Company to raise coal in Raniganj coalfield along the Western Bank of river Damodar. However, coal mining did not receive adequate attention due to its inferior quality as compared to the quality of coal in UK. For some time, coal mining activities in India were at low ebb. However, coal mining received a thrust with the setting up of a rail link between Howrah and Raniganj in 1853.

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

1.1.3 Since 1920, a number of commissions & committees made observations on the question of conservation and winning of coal, safety of mines etc. which led to introduction of regulations and controls of the coal industry, in some form or other, in India. All the regulations and controls were directed towards state ownership of the coal mines in the country. Singareni Collieries Company Limited (SCCL) established in 1920 as a public limited company, has the distinction of being the first Government owned Coal Company in the country in 1945. In fact, in 1945, Nizam of Hyderabad bought majority of the shares of the company and brought the company under

the State of Hyderabad. From 1945 to 1949, the Hyderabad Construction Company Limited worked as Managing Agent of SCCL. In 1949 this function was entrusted to Industrial Trust Fund by the then Government of Hyderabad. Pursuant to the reorganization of States in 1956, the controlling interest of the company devolved on the Government of Andhra Pradesh. Thus, SCCL became a Government Company under the Companies Act in 1956. SCCL is now a joint undertaking of Government of Andhra Pradesh and Government of India sharing its equity in 51:49 ratio.

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

1.2 Nationalisation of Coal Mines.

1.2.1 Coal mines in India were nationalised in 1972-73 with the objectives of reorganising and restructuring of coal mines in the 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 centre 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 Till 31.3.2014, 218 coal blocks were allocated to different companies. Out of these 218 coal blocks, 87 have been deallocated for non-performance and 7 blocks have been reallocated making effective allocation of 138 coal blocks as on 31.3.2014. During 2014-15 significant changes took place in captive coal block scenario. The Hon'ble Supreme Court of India by order dated 25th August, 2014 read with order dated 24th September, 2014 cancelled allocation of 204 coal blocks and directed the government to take up fresh allocation through e-auction process. However, the producing coal blocks were

permitted to continue production till 31.03.2015. Thus as on 31.03.2015 the number of coal blocks producing were 40.

1.3.4 In the Coal Directory 2013-14 changes were made in presentation/ demarcation of coal blocks between public and private sectors. The demarcation between those two sectors was made strictly according to the original allotment of coal blocks either to the companies in public sector or private sector. This arrangement has been reflected in this year also.

1.4 Distribution and Marketing of Coal

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

1.4.2 Salient features of the New Coal Distribution Policy:

1. Existing classification of core and non-core sector is dispensed with. Each sector/ consumers would be treated on merit keeping in view regulatory provision applicable thereto and coal will be supplied by CIL/SCCL through Fuel Supply agreement (FSA), a legally enforceable buyer-seller coal supply agreements.
2. Requirement of Defence and Railways will be made in full at notified price.
3. While for Power (utilities), including Independent Power Producers/ CPP and

Fertiliser Sector, 100% of normative requirement of coal at notified price will be supplied, for other consumers this will be 75%.

4. Supply of coal to steel plants would be based on FSA and pricing would be on import parity pricing.
5. Consumers in small and medium sector, requiring coal less than 4200 tonnes annually will take coal either from state govt. notified agencies/NCCF//NSIC or from CIL/SCCL through FSA. CIL/SCCL will supply coal to the nominated agencies for such distribution.
6. Linkage system will be replaced by FSA.
7. New consumers of Power (U) /IPP/ CPP/ Fertiliser/ 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.

B. Concepts, Definitions and Practices

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

1.5 Import of Coal

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

1.6 Notified Price of Coal

1.6.1 Under the Colliery Control Order, 1945, the Central Government was empowered to fix the prices of coal grade-wise and colliery-wise. As per recommendations of Bureau of Industrial Costs and Prices and the Committee on Integrated Coal Policy, prices of different grades of coal had been subjected to deregulation since 22.3.96, 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.

energy as heat which has a variety of uses.

1.8 Classification of Coal

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

- **Hard Coal**
 - Anthracite
 - Bituminous coal

- Coking coal
- Other bituminous coal
- **Brown coal**
 - Sub-bituminous coal
 - Lignite

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

1.8.3 Classifying different types of coal into practical categories for use at an international level is difficult because divisions between coal categories vary between classification systems, both national and international, based on calorific value, volatile matter content, fixed carbon content, caking and coking properties, or some combination of two or more of these criteria.

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

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

- 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.

- Brown coal** - Non-agglomerating coal with a gross calorific value less than 5700 kcal/kg (23.9 GJ/t) containing more than 31% volatile matter on a dry mineral matter free basis.

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

1.9 Classification of Coal in India

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

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

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

1.9.4 **Non-Coking Coal:** Non-Coking Coal does not have coking properties and is mainly used for power generation. It is also used for cement, fertilizer, glass, ceramic,

paper, chemical and brick manufacturing, and for other heating purposes.

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

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

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

1.10 Categorisation of Coal in India

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

Grade	Ash Content
Steel Gr I	Ash content < 15%
Steel Gr II	15% ≤ Ash content < 18%
Washery Gr. I	18% ≤ Ash content < 21%.

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

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

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

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

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

N.B:

1. "Useful heat value" is defined as:

$$UHV = 8900 - 138 (A + M)$$

Where UHV = Useful heat value in kCal/kg,

A = Ash content (%),

M = Moisture content (%).

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

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

4. Ash percentage of coking coals and hard coke shall be determined after air drying as per 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.

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

Grades	GCV Range (Kcal/Kg)
G1	GCV exceeding 7000
G2	GCV between 6701 & 7000
G3	GCV between 6401 & 6700
G4	GCV between 6101 & 6400
G5	GCV between 5801 & 6100
G6	GCV between 5501 & 5800
G7	GCV between 5201 & 5500

Grades	GCV Range (Kcal/Kg)
G8	GCV between 4901 & 5200
G9	GCV between 4601 & 4900
G10	GCV between 4301 & 4600
G11	GCV between 4001 & 4300
G12	GCV between 3700 & 4000
G13	GCV between 3400 & 3700
G14	GCV between 3101 & 3400
G15	GCV between 2801 & 3100
G16	GCV between 2501 & 2800
G17	GCV between 2201 & 2500

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

Old Grading based on UHV	New Grading based on GCV
A	G1
	G2
	G3
B	G4
	G5
C	G6
D	G7
	G8
E	G9

Old Grading based on UHV	New Grading based on GCV
	G10
F	G11
	G12
G	G13
	G14
Non-coking Coal Ungraded	G15
	G16
	G17

1.11 Some General Concepts

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

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

occurs as veins in hard rock - underground mining methods extract the valued material.

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

1.11.4 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,

$$\text{Off-take} = \text{Despatches} + \text{Colliery Consumption}$$

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

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

1.11.7 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).

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

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

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

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

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

1.12 Commodity Classification

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

Highlights

(A) Production

In the year 2014-15, the total production of raw coal in India increased by 7.7% (from 565.765 MT in 2013-14 to 609.179 MT in 2014-15) and production of lignite increased by 9.0% (from 44.271 MT in 2013-14 to 48.270 MT in 2014-15). [Ref : table 3.1]

1. The contribution of public sector and private sector in the production of Raw Coal in 2014-15 was as follows:

Production of Raw Coal in 2014-15 (MT)			
Sector	Coking	Non-Coking	Total Coal
Public	51.010	516.022	567.032
Private	6.436	35.711	42.147
All India	57.446	551.733	609.179

[Ref : Table 3.8]

2. The production of coking coal in 2014-15 was 57.446 MT whereas it was 56.818 MT in 2013-14, thus 1.10% growth over 2013-14. The corresponding figure for non-coking coal was 551.733 MT and 508.947 MT during 2014-15 and 2013-14 respectively, marked 8.41% growth over 2013-14. [Ref Table: 3.8].
3. The production of washed coal (coking) in 2014-15 was 6.070 MT compared to 6.614 MT in 2013-14, thus 8.22% decrease over 2013-14 and middling (coking) was 4.75 MT in 2014-15 compared to 4.913 MT in 2013-14, decrease by 3.32% over 2013-14). [Ref Table: 3.12]
4. During 2014-15, Chhattisgarh registered highest coal production of 134.764 MT (22.12 %) followed by Jharkhand 124.143 MT (20.38%) and Odisha 123.627 MT (20.29%). Tamil Nadu was the largest producer of lignite, produced 25.190 MT followed by Gujarat 12.317 MT and Rajasthan 10.763 MT. [Ref Table: 3.11 & 3.10]
5. The contribution of Coal India Limited in the coal production of 2014-15 was 494.234 MT (81.13%) and that of SCCL was 52.536 MT (8.62%). During the period 2014-15, Neyveli Lignite Corporation contributed 26.543 MT (54.99%) to the total lignite production of 48.270 MT in 2014-15. [Ref Table: 3.8]
6. During 2014-15, highest coking coal producing state in India was Jharkhand (56.430 MT i.e. 98.23%) whereas highest non-coking coal producing state was Chhattisgarh (134.638 MT i.e. 24.40 %). [Ref Table: 3.9]
7. Around 92.04 % of coal production of India in 2014-15 was from open-cast mines (560.667 MT) and the rest 7.96% was from underground mines (48.512 MT). [Ref Table:-3.16]
8. During 2014-15, SECL produced highest quantity of coal from underground i.e. 16.036 MT (33.06%) followed by SCCL which produced 10.203 MT (21.03%). [Ref Table:3.17]
9. Overall Stripping Ratio for the year 2014-15 was 2.33 (Stripping Ratio is defined as the ratio of Over Burden Removal to Coal produced in Open Cast mining.) [Ref table 3.19]

10. Productivity (OMS) of underground mines for the year 2014-15 was 0.78 Tonnes for CIL and 1.10 Tonnes for SCCL. During 2014-15, OMS for opencast mines for CIL was 14.63 Tonnes and of SCCL was 12.14 Tonnes. (OMS is the output measured in tonnes per unit of man-shift) [Ref table: 3.20].

(B) Despatch

1. In the year 2014-15, despatch of indigenous raw coal was 603.772 MT against the corresponding figure of 572.06 MT during 2013-14 (increase of 5.54% over 2013-14). Lignite despatch was 46.954 MT in 2014-15 against the corresponding figure of 43.897 MT during 2013-14 (increase of 6.96% over 2013-14). [Ref table: 4.1]
2. The contribution of public sector and private sector in the dispatch of Raw Coal in 2014-15 was as follows: [Ref table: 4.8]

Despatches of Raw Coal in 2014-15 (MT)			
Sector	Coking	Non-coking	Total Coal
Public	50.289	511.533	561.822
Private	6.149	35.801	41.950
All India	56.438	547.334	603.772

3. Despatch of coking coal decreased to 56.438 MT in 2014-15 from 58.464 MT in 2013-14 (decrease of 3.47% over the previous year). [Ref : 4.8].
4. Despatch of Metallurgical coal decreased to 13.264 MT in 2014-15 from 15.236 MT in 2013-14, registering a decline of 12.94% over previous year. [Ref table:4.2]
5. Despatch of non-coking coal grew to 547.334 MT in 2014-15 from 513.596 MT in 2013-14, registering an increase of 6.57% over previous year. [Ref table: 4.2]
6. During 2014-15 despatch of washed coal (coking) was 6.080 MT and middling (coking) was 5.012 MT whereas during 2013-14 despatch of washed coal (coking) was 6.645 MT and middling (coking) was 4.894 MT. [Ref table 4.3]
7. All coal producing states except Meghalaya showed positive growth in coal despaches resulting into a 5.54% growth in coal despatch during 2014-15. [Ref Table:-4.6]
8. In terms of coal despatch Chhattisgarh had highest share of 129.392 MT (21.43%) followed by Odisha 125.382 MT (20.77%) and Jharkhand 122.044 MT (20.21%). [Ref table: 4.6]
9. In case of lignite despatch Tamil Nadu had the largest share of 24.088 MT (51.30%) followed by Gujarat 12.362 MT (26.33%) and Rajasthan 10.504 MT (22.37%). [Ref Table 4.7]
10. CIL despatched 488.860 MT and SCCL 52.662 MT of coal in 2014-15. Among other PSUs largest share in coal despatch was of PSEB-PANEM 3.454 MT. Despatch of coal from Private sector was 41.950 MT in which SPL had largest share of 9.261 MT followed by TISCO of 6.061 MT. [Ref Table 4.8]

11. Powerhouses (Utility) continued to be the largest coal receiver. This sector received 435.438 MT (72.12%) in 2014-15 against 394.529 MT (68.91%) in 2013-14 of total despatch. Cement sector received 11.357 MT in 2014-15 against 11.936 MT in 2013-14. Despatch to Steel Sector in 2014-15 was 12.021 MT against 15.487 MT in 2013-14. [Ref table 4.18]
12. During the year 2014-15 despatch of raw coal (external) by rail was 297.131 MT (49.21%) and by road was 154.409 MT (25.57%). [Ref Table: 4.15]

(C) Pit Head Closing Stock

1. Pit-head closing stock of raw coal at the end of 2014-15 was 59.389 MT against 55.514 MT at the end of 2013-14. Closing stock of lignite at the end of 2014-15 was 3.176 MT whereas it was 1.860 MT at the end of 2013-14. [Ref Table 5.1]. Out of total closing stock of 59.389 MT at the end of 2014-15, Public Sector accounted for 59.101MT. [Ref Table 5.6]
2. Pit-head closing stock of coking coal was 6.964 MT at the end of 2014-15 against 6.412 MT at the end of 2013-14 and pit-head closing stock of non-coking coal was 52.425 MT at the end of 2014-15 against 49.102 MT at the end of 2013-14. [Ref Table 5.2].

(D) Import and Export

1. During the year 2014-15 total import of coal was 217.783 MT compared to 166.857 MT in 2013-14, resulting an increase of 32.52% over 2013-14. Import of coking coal was 43.715 MT in 2014-15 whereas it was 36.872 MT in 2013-14, resulting an increase of 18.56% over 2013-14. Import of Non-coking coal was 174.068 MT in 2014-15 against 129.985 MT in 2013-14, an increase of 33.91% over 2013-14. [Ref table 7.1]
2. Coal in India was mainly imported from Indonesia (123.734 MT) followed by Australia (47.619 MT) and South Africa (30.731 MT). [Ref Table: 7.3]
3. Coal was mainly imported through Mundra, Paradip, Dehej and Vishakhapatnam ports. [Ref table 7.5]
4. Export of coal during 2014-15 was 1.238 MT against 2.188 MT in 2013-14. Coal was mainly exported to Bangladesh (0.542 MT) and Nepal (0.482 MT). [Ref Table 7.4]
5. Coal was mainly exported through Panitanki, Borsorah and Magdalla ports. [Ref Table 7.6]

(E) Captive Coal block

1. In the year 2014-15, the total production of raw coal from captive coal blocks in India was 52.72 MT compared to 39.49 MT in 2013-14, resulting an increase of 33.54% over 2013-14. During 2014-15, production of coal from coal blocks allocated for Power Sector was 37.93 MT over 26.81 MT coal produced in 2013-14. [Ref table 9.5]
2. During 2014-15 production of coal from Coal Blocks allocated to Iron & Steel sector was 11.95 MT over 11.64 MT coal during 2013-14. [Ref Table 9.5]

(F) 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
2010-11	Provisional	49.533	483.543	533.076	37.735	48.936	474.311	523.247	37.516
	Final	49.547	483.147	532.694	37.733	48.950	474.515	523.465	37.685
	Change (F-P)	0.03%	-0.08%	-0.07%	-0.01%	0.03%	0.04%	0.04%	0.45%
2011-12	Provisional	51.654	488.286	539.940	43.105	51.528	483.624	535.152	42.500
	Final	51.660	488.290	539.950	42.332	51.723	483.576	535.299	41.883
	Change (F-P)	0.01%	0.00%	0.00%	-1.79%	0.38%	-0.01%	0.03%	-1.45%
2012-13	Provisional	51.834	505.873	557.707	46.598	55.212	514.555	569.767	46.312
	Final	51.582	504.820	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	572.060	43.897
	Change(F-P)	0.00%	-0.001%	-0.001%	0.00%	0.16%	0.64%	0.80%	0.00%
2014-15	Provisional	57.451	554.984	612.435	48.257	56.614	551.016	607.630	46.941
	Final	57.446	551.733	609.179	48.270	56.438	547.334	603.772	46.954
	Change (F-P)	0.00%	-0.59%	-0.53%	0.00%	-0.31%	-0.67%	-0.63%	0.00%

N.B : F=Final , P=Provisional,

(G) Geological Coal Reserve

As per Geological Survey of India geological reserves of coal in India as on 01.04.2015 was 3,06,596 Million Tonnes for coal seams of 0.9m and above in thickness and up to the 1200m depth from surface. The type wise break up of coal reveals that reserve of coking coal (Prime, Medium and Semi-coking) was 34,404 Million Tonnes and non- coking coal was 2,72,192 Million Tonnes.

Total coal extracted since 1950 up to 2014-15 was around 13144.723 Million Tonnes.

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

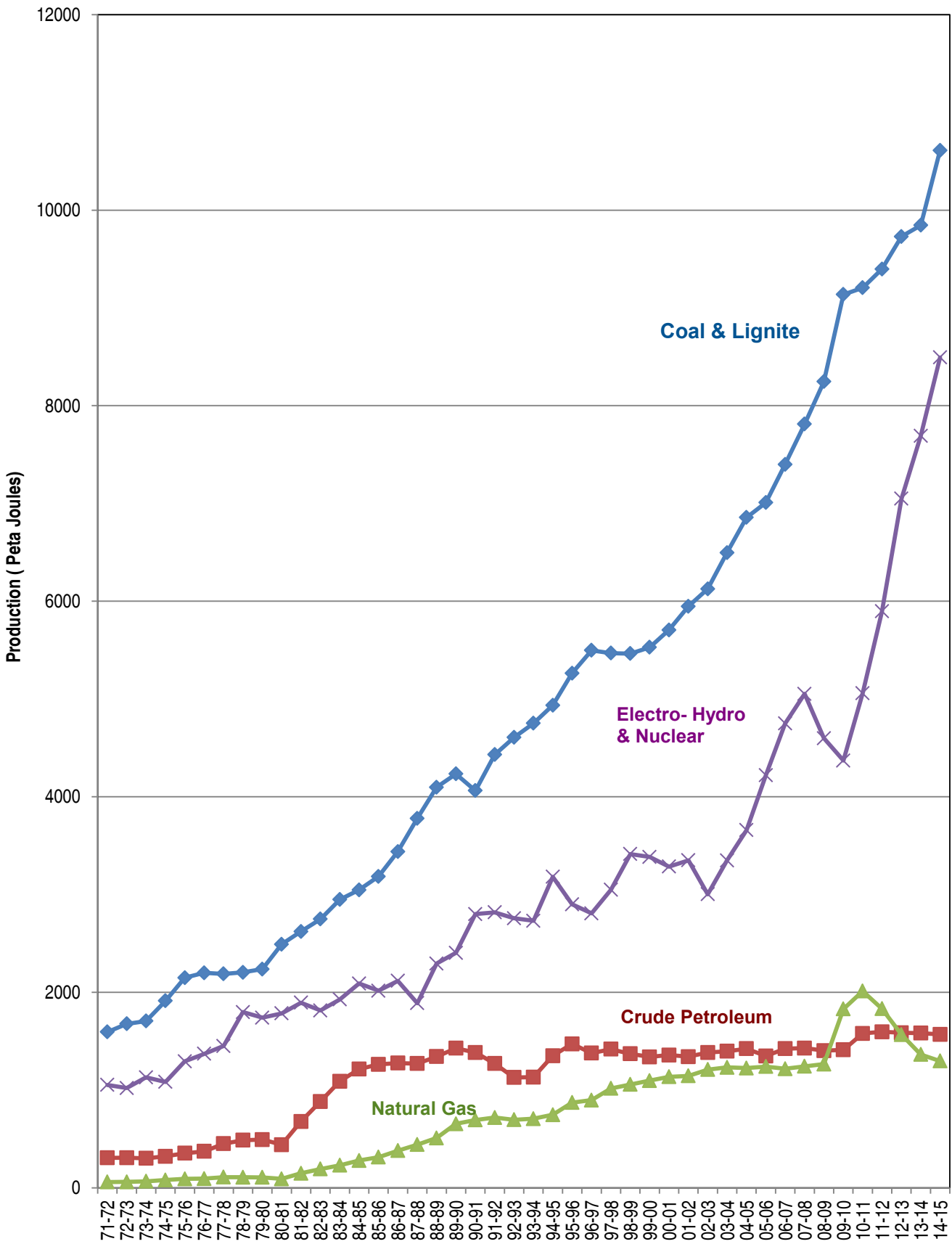


Table 1.1: INDIAN ECONOMY - SELECTED INDICATORS

Sl. No.	Indicator	Unit/base	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Geographical Area	M.Sq.Km.	3.29	3.29	3.29	3.29	3.29
2.	Population	Million	1177	1193	1208	1224	1239
3.	Gross Domestic Product at factor cost (base 2011-12) :						
	(i) At current prices	Rs.Billion	---	87360	99513	112728	124882
	(ii) At constant prices	"	---	87360	92269	98394	105522
4.	Net National Income at factor cost (base 2011-12) :						
	(i) At current prices	Rs.Billion	---	77421	87746	99344	110076
	(ii) At constant prices	"	---	77421	81095	86153	92350
5.	Per Capita Net National Income :						
	(i) At current prices	Rupees	---	63460	71050	79412	86879
6.	Foreign Exchange Reserves (as on 3rd April -2015)						
	(i) Gold	US \$ Million	22972	28128	293360	20978	19,038
	(ii) SDR	Mn. Of SDR	4569	4449	4342	4458	4,022
	(iii) Foreign Exchange	US \$ Million	274330	259741	260415	276406	3,18,643
7.	Foreign Trade :						
	(i) Import	Rs.Billion	16834.67	20559.19	26691.62	30232.73	27370.87
	(ii) Export	"	11426.49	12747.75	16343.19	20543.68	18963.48
	(iii) Balance of Trade	"	-5408.18	-7811.44	-10348.43	-96890.45	-8407.38
8.	Index of Production :						
	(i) Industrial	2004-05=100	165.5	170.4	169.6	169.6	176.8
9.	Wholesale Price Index :	2004-05=100	143.0	156.0	168.0	172.7	181.2
10.	Consumer Price Index:						
	(i) Industrial Workers #	2001=100	176	192	209	232	247
	(ii) Agricultural Labourers	1986-87=100	552	602	652	735	788
	(iii) Urban non-manual workers	1984-85=100	-	-	-	-	-
11.	Fuel (gross)						
	Coal	Mn.Tonne	532.694	539.950	556.402	565.765	609.179
	Lignite	"	37.733	42.332	46.453	44.271	48.27
	Natural Gas	Bn.Cub.Mtr.	52.221	47.539	40.680	35.400	33.660
	Crude Oil	Mn.Tonne	37.712	38.090	37.860	37.776	37.460
	Petroleum Products(Incl RBF)	"	164.85	170.15	182.316	220.756	221.140
12.	Electricity Generated (Gr.)						
	(i) Utilities						
	Hydel	B.KWH	114.3	130.5	114.0	135.0	129.0
	Thermal	"	665.0	709.0	761.0	792.0	952.0
	Nuclear	"	26.3	32.0	33.0	34.0	36.0
	Total	"	805.5	871.5	908.0	961.0	1117.0
	(ii) Non-utilities	"	120.9	134.0	148.0	169.0	162.0
	Grand Total	"	926.4	1005.5	1056.0	1130.0	1279.0

: calender year basis, Q : Quick Estimates.

Source: M/o SPI, Economic Survey, M/o Industry,RBI, M/o Petroleum & Natural Gas

b2:Linked all-India CPI(UNME) is discontinued since Jan,2011.

TABLE -1.2: GROWTH OF INDIAN COAL SECTOR AT A GLANCE

Sl. No.	Item	Unit	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Reserves (Proved)							
	(i) Coking Coal	Mn.Tonne	17,669	17,669	17,933	18,365	18,399	18,003
	(ii) Non Coking	"	92,129	96,333	1,00,211	1,04,816	1,07,509	2,72,192
	(iii) Lignite	"	6146	6146	6181	6181	6181	6182
2	Consumption							
	(i) Coal	Mn.Tonne	620.389	589.874	638.923	710.433	739.342	822.131
	(ii) Lignite	"	33.733	37.688	41.883	46.313	43.897	46.954
	(iii) Coal Products*	"	44.441	42.069	43.865	43.867	43.554	46.146
3	Production :							
	(i) Coal	Mn.Tonne	532.042	532.694	539.950	556.402	565.765	609.179
	(ii) Lignite	"	34.071	37.733	42.332	46.453	44.271	48.270
	(iii) Coal Products*	"	41.964	40.244	39.241	41.723	43.758	46.146
4	Imports							
	(a) Qty : Coal	Mn.Tonne	73.255	68.918	102.853	145.785	168.439	217.783
	Coal Products	"	2.355	1.490	2.365	3.081	4.193	3.294
	Total (a)	"	75.610	70.408	105.218	148.866	172.632	221.077
	(b) Value: Coal	Rs.Million	391800	415496	788376	868455	932929	1045066
	Coal Products	"	33311	31204	47585	56919	68343	43806
	Total (b)	"	425111	446699	835961	925374	1001272	1088872
5	Exports							
	(a) Qty : Coal	Mn.Tonne	2.454	4.409	2.032	2.443	2.152	1.238
	Coal Products	"	0.178	0.650	0.613	1.201	0.173	0.102
	Total (a)		2.632	5.059	2.645	3.644	2.325	1.340
	(b) Value: Coal	Rs.Million	5045	12641	5900	8651	10187	7197
	Coal Products	"	2264	9912	11525	6017	1504	1140
	Total (b)		7309	22554	17425	14668	11691	8337
6	Unit Value of coal imports (gr.)	Rs./Tonne	5348	6029	7665	5957	5539	4799
7	India's Total Exports	Rs.Million	8455336	11426489.7	13970200	16343188	18736494	18963484
8	India's Total Imports	Rs.Million	13637355	16834669.6	22475600	26691620	26976116	27370866
9	(i) Coal imports as percentage of India's total import	%	3.1	2.7	3.7	3.5	3.7	4.0
	(ii) Coal exports as percentage of India's total export	%	0.1	0.2	0.1	0.1	0.1	0.0

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

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

TABLE -1.3: 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)
71-72	76140	1594	7299	306	1538	59	29213	1052	3011
72-73	80110	1677	7321	307	1565	60	28329	1020	3064
73-74	81490	1706	7189	301	1713	66	31368	1129	3202
74-75	91350	1912	7684	322	2041	79	30081	1083	3396
75-76	102660	2149	8448	354	2368	91	35928	1293	3887
76-77	105010	2198	8898	373	2428	94	38088	1371	4036
77-78	104560	2188	10763	451	2839	109	40279	1450	4198
78-79	105250	2203	11633	487	2812	108	49929	1797	4595
79-80	106840	2236	11766	493	2767	107	48354	1740	4576
80-81	119020	2491	10507	440	2358	91	49543	1784	4806
81-82	131240	2622	16194	678	3851	148	52586	1893	5341
82-83	137530	2748	21063	882	4936	192	50396	1814	5636
83-84	147539	2948	26020	1089	5961	230	53500	1926	6193
84-85	155277	3047	28990	1214	7241	279	58023	2089	6629
85-86	162336	3185	30168	1263	8134	313	56003	2016	6777
86-87	175290	3439	30480	1276	9853	380	58862	2116	7211
87-88	192551	3778	30357	1271	11467	442	52479	1889	7380
88-89	208820	4097	32040	1342	13217	509	63685	2293	8241
89-90	215724	4233	34087	1427	16988	654	66741	2403	8717
90-91	228131	4063	33021	1383	17998	693	77782	2800	8939
91-92	248805	4431	30346	1271	18645	718	78281	2818	9238
92-93	258615	4606	26950	1128	18060	696	76596	2757	9187
93-94	266785	4751	27026	1132	18335	706	75860	2731	9320
94-95	277080	4935	32239	1350	19468	747	88360	3181	10213
95-96	295561	5264	35167	1472	22642	872	80561	2900	10508
96-97	308720	5498	32900	1378	23256	896	77972	2807	10579
97-98	320221	5469	33858	1418	26401	1017	84665	3048	10952
98-99	319927	5464	32722	1370	27428	1057	94846	3414	11305
99-00	326578	5529	31949	1338	28446	1096	94005	3384	11347
00-01	337943	5705	32426	1358	29477	1135	91264	3286	11484
01-02	352600	5948	32032	1341	29714	1145	93054	3350	11784
02-03	367290	6126	33044	1383	31389	1209	83404	3003	11721
03-04	389204	6496	33373	1397	31962	1231	93022	3349	12473
04-05	413026	6856	33981	1423	31763	1224	101621	3658	13161
05-06	437267	7009	32190	1348	32202	1240	117195	4219	13816
06-07	462117	7400	33988	1423	31747	1217	131920	4749	14789
07-08	491062	7811	34117	1429	32274	1243	140346	5052	15535
08-09	525178	8247	33506	1403	32849	1265	127720	4598	15513
09-10	566113	9137	33690	1411	47496	1830	125680	4370	16747
10-11	570427	9207	37684	1578	52219	2011	140523	5059	17855
11-12	582282	9398	38090	1595	47559	1832	163797	5897	18722
12-13	602855	9730	37862	1585	40679	1567	195801	7049	19931
13-14	610036	9846	37788	1582	35407	1364	213666	7692	20484
14-15	657449	10611	37461	1568	33656	1296	235945	8494	21970

* 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-1.4: TOTAL PRIMARY SUPPLY (TPS) OF COAL & LIGNITE : 2005-06 to 2014-15
(Million Tonnes)

Year	Fuel type	Production	Imports	Exports	Net Import	Opening Stock	Closing Stock	Stock Change	T P S
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2005-06	Coal	407.039	38.586	1.989	36.597	23.969	34.334	-10.365	433.271
	Lignite	30.228			0.000	0.536	0.525	0.011	30.239
	Total	437.267	38.586	1.989	36.597	24.505	34.859	-10.354	463.510
2006-07	Coal	430.832	43.081	1.554	41.527	34.334	44.348	-10.014	462.345
	Lignite	31.285			0.000	0.525	1.002	-0.477	30.808
	Total	462.117	43.081	1.554	41.527	34.859	45.350	-10.491	493.153
2007-08	Coal	457.082	49.794	1.627	48.167	44.348	46.779	-2.431	502.818
	Lignite	33.980			0.000	1.002	0.328	0.674	34.654
	Total	491.062	49.794	1.627	48.167	45.350	47.107	-1.757	537.472
2008-09	Coal	492.757	59.003	1.655	57.348	46.779	47.317	-0.538	549.567
	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
2009-10	Coal	532.042	73.255	2.454	70.801	47.317	64.863	-17.546	585.297
	Lignite	34.071				0.903	0.565	0.338	34.409
	Total	566.113	73.255	2.454	70.801	48.220	65.428	-17.208	619.706
2010-11	Coal	532.694	68.918	4.409	64.509	64.863	72.192	-7.329	589.874
	Lignite	37.733				0.565	0.610	-0.045	37.688
	Total	570.427	68.918	4.409	64.509	65.428	72.802	-7.374	627.562
2011-12	Coal	539.950	102.853	2.014	100.839	72.192	74.040	1.848	642.637
	Lignite	42.332				0.610	1.051	0.441	42.773
	Total	582.282	102.853	2.014	100.839	72.802	75.091	2.289	685.410
2012-13	Coal	556.402	145.785	2.443	143.342	74.040	63.049	-10.991	688.753
	Lignite	46.453				1.051	1.493	0.442	46.895
	Total	602.855	145.785	2.443	143.342	75.091	64.542	-10.549	735.648
2013-14	Coal	565.765	166.857	2.188	164.669	63.049	55.514	-7.535	722.899
	Lignite	44.271				1.493	1.860	0.367	44.638
	Total	610.036	166.857	2.188	164.669	64.542	57.374	-7.168	767.537
2014-15	Coal	609.179	217.783	1.238	216.545	55.514	59.389	3.875	829.599
	Lignite	48.270				1.860	3.176	1.316	49.586
	Total	657.449	217.783	1.238	216.545	57.374	62.565	5.191	879.185

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

Section 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 1st April 2015, by type of coal for different coal bearing States, field-wise and grade-wise are provided in **Tables 2.1 to 2.5**.

2.4.1 As per GSI compilation of resources as on 1st April 2015, in situ geological resources of coal in India up to a depth of 1200 meters is 306.596 Billion Tonnes (BT) which includes proved, indicated and inferred resources. Out of the total geological resources, 94.90% of the geological resources are shared by six states, namely, Jharkhand (26.44%), Odisha (24.72%), Chhattisgarh (17.91%), West Bengal (10.25%), Madhya Pradesh (8.66%) and Telangana (6.92%).

2.4.2 Out of the total resource of 306.596 BT as on 1st April, 2015, the share of proved, indicated and inferred resources are 131.614 BT (42.93%), 143.241 BT (46.72%) and 31.740 BT (10.35%) respectively.

2.4.3 In the total resources, the share of Prime Coking was 1.73%, Medium Coking was 8.93%, Blendable / Semi Coking was 0.56% and Non- Coking (Including High Sulphur) was 88.78%. It is to be noted that the increase in the total resource from 2014 to 2015 was noticed mainly in case 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**.

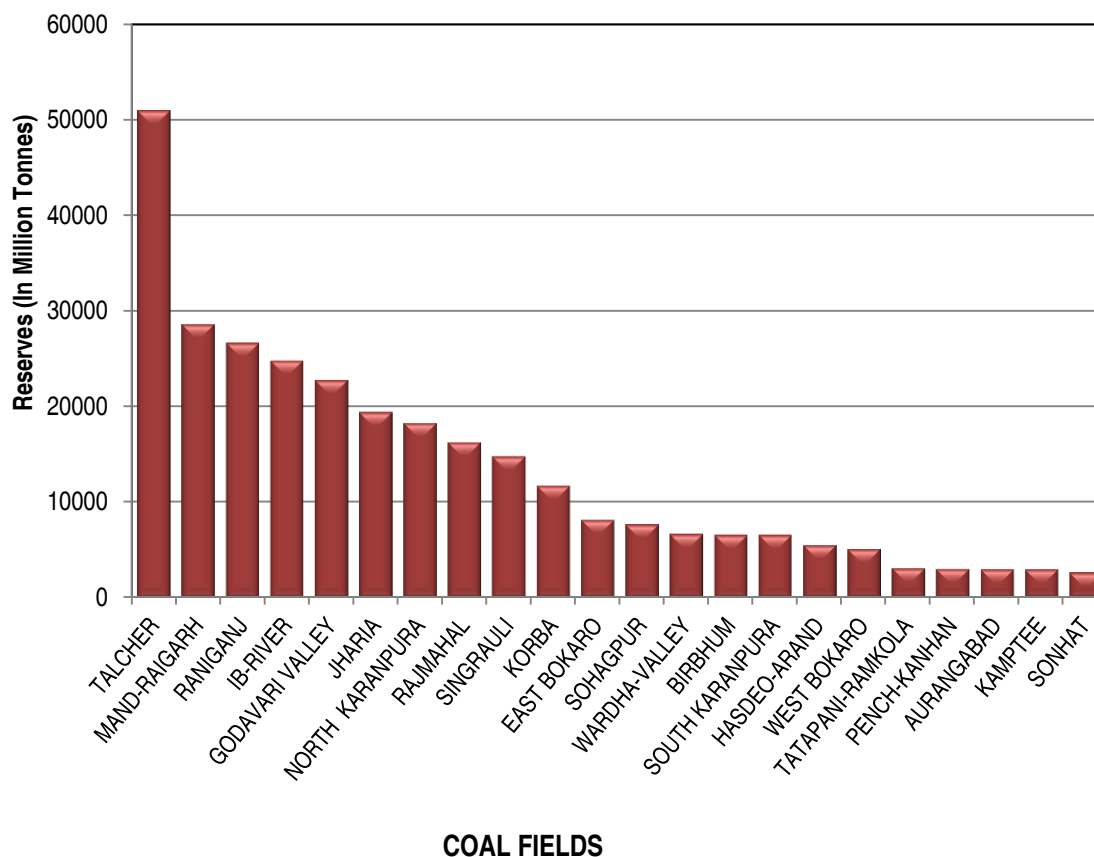
2.5.1 Total lignite resources in the country as on 1st April 2015 was 44.114 Billion Tonnes (BT) which includes proved, indicated and inferred resources. Out of the total lignite resources 98.94% was shared by three major states, namely, Tamil Nadu (79.81%), Rajasthan (12.98%) and Gujarat (6.17%).

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

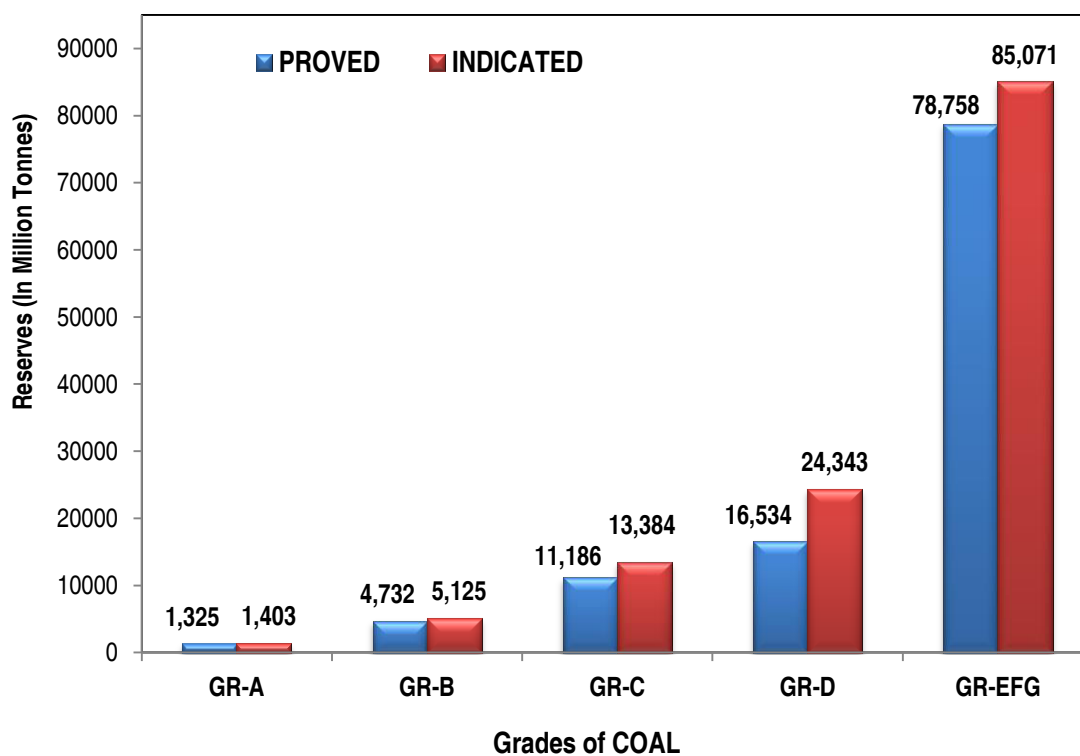
2.6 The different exploration stages and agencies involved in the exercise are summarized below for easy comprehension of the readers.

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

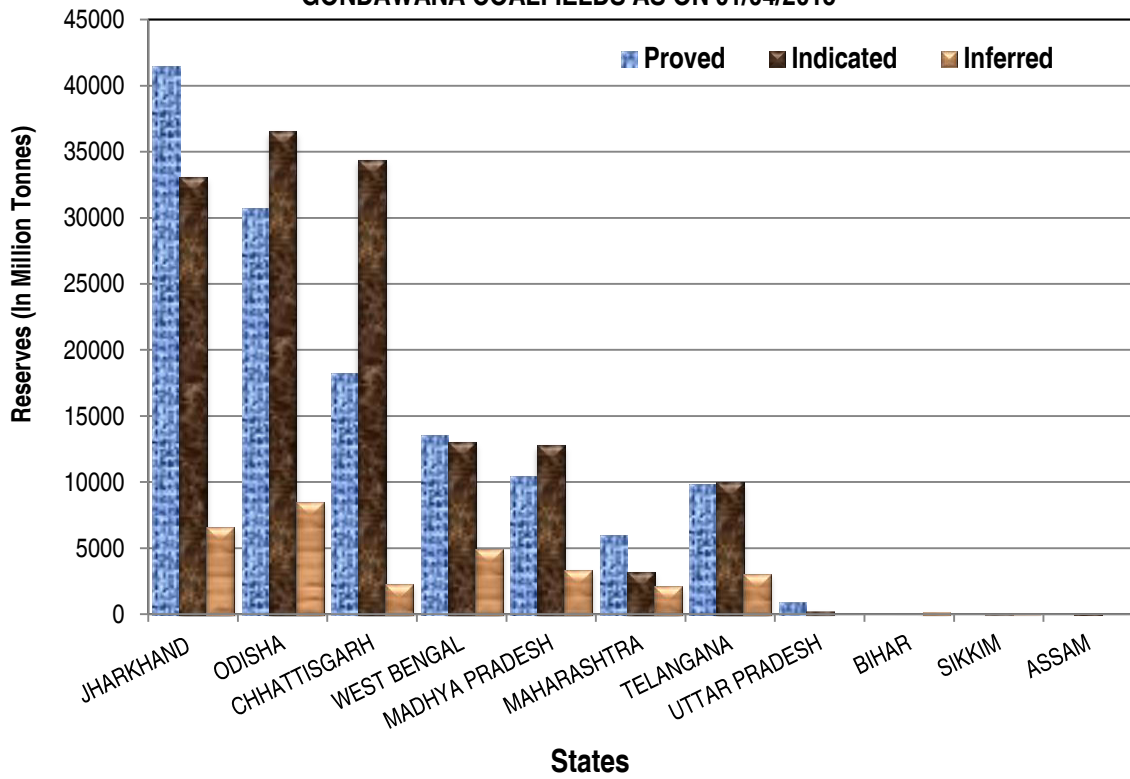
Ch. 2.1: GEOLOGICAL COAL RESERVE IN MAJOR INDIAN COALFIELDS AS ON 01/04/2015



Ch. 2.2: GRADEWISE GEOLOGICAL RESERVE OF NON-COKING COAL IN GONDAWANA COALFIELDS AS ON 01/04/2015



Ch.2.3: STATE WISE GEOLOGICAL RESERVE OF INDIAN COAL IN GONDAWANA COALFIELDS AS ON 01/04/2015



Ch. 2.4: STATE WISE GEOLOGICAL RESERVE OF INDIAN COAL IN TERTIARY COALFIELDS AS ON 01/04/2015

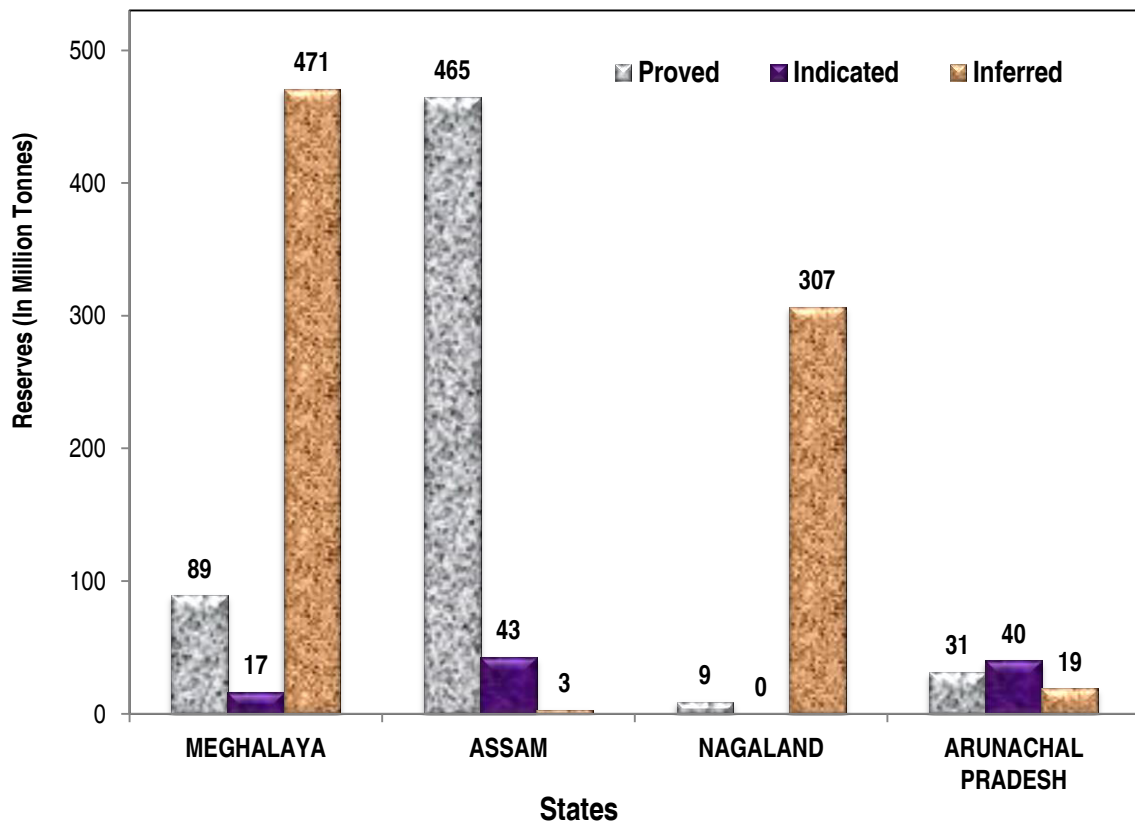
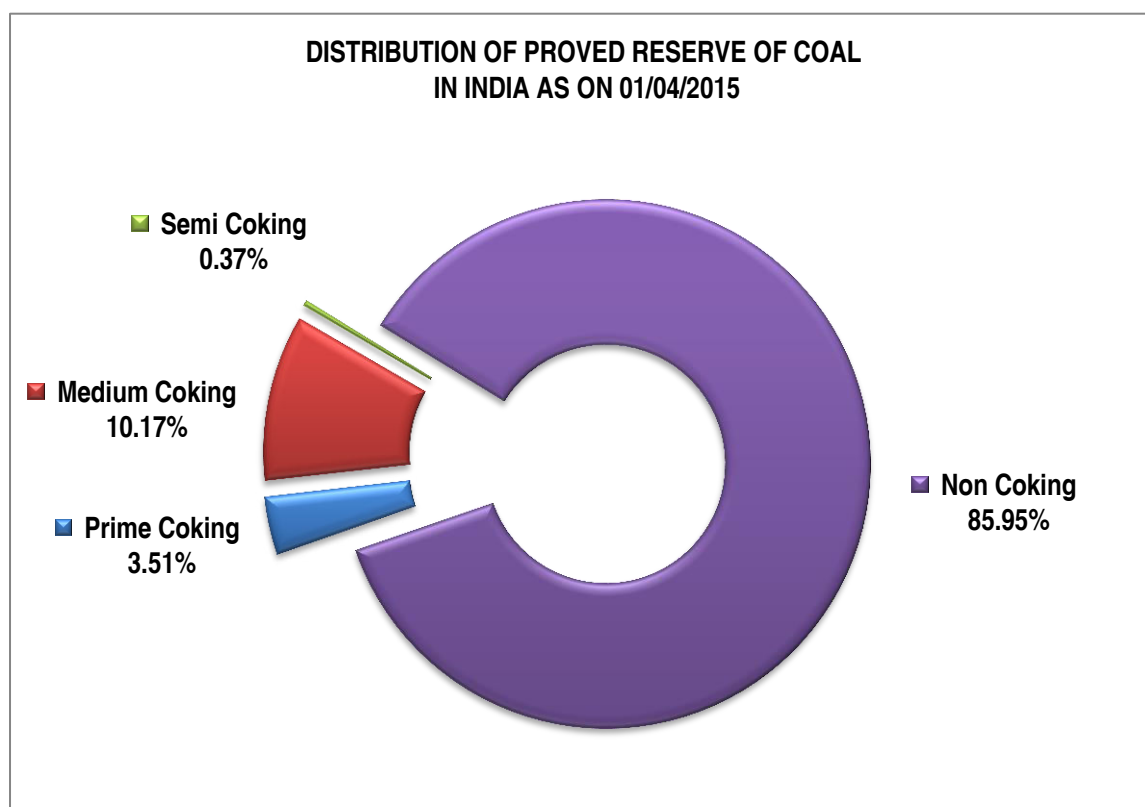


TABLE - 2.1: INVENTORY OF GEOLOGICAL RESERVE OF COAL BY TYPE AS ON 1st APRIL 2013, 2014 & 2015

Type of Coal (1)	As on (2)	Reserve (Quantity in Million Tonnes)			
		Proved (3)	Indicated (4)	Inferred (5)	Total (6)
Prime Coking	01/04/2013	4,614	699	0.00	5,313
	01/04/2014	4,614	699	0.00	5,313
	01/04/2015	4,614	699	0.00	5,313
Medium Coking	01/04/2013	13,269	11,893	1,879	27,041
	01/04/2014	13,303	11,867	1,879	27,049
	01/04/2015	13,389	12,114	1,879	27,382
Blendable / Semi Coking	01/04/2013	482	1,003	222	1,707
	01/04/2014	482	1,004	222	1,708
	01/04/2015	482	1,004	222	1,708
Non Coking (Including High Sulphur)	01/04/2013	1,04,816	1,29,037	30,999	2,64,852
	01/04/2014	1,07,509	1,28,937	31,047	2,67,494
	01/04/2015	1,13,129	1,29,425	29,638	2,72,192
Total	01/04/2013 *	1,23,182	1,42,632	33,100	2,98,914
	01/04/2014 *	1,25,909	1,42,506	33,148	3,01,564
	01/04/2015 *	1,31,614	1,43,241	31,739	3,06,596



* Including Sikkim

Source: Geological Survey of India

TABLE - 2.2: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2013, 2014 & 2015

(Quantity in Million Tonnes)

State	As on	Resources				State	As on	Resources			
		Proved	Indicated	Inferred	Total			Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(1)	(2)	(3)	(4)	(5)	(6)
GONDAWANA COALFIELDS						TERTIARY COAL FIELDS					
ASSAM	1/4/2013	0	4	0	4	ARUNACHAL	1/4/2013	31	40	19	90
	1/4/2014	0	4	0	4	PRADESH	1/4/2014	31	40	19	90
	1/4/2015	0	4	0	4		1/4/2015	31	40	19	90
ANDHRA PRADESH	1/4/2013	9,604	9,554	3,049	22,207	ASSAM	1/4/2013	465	43	3	511
	1/4/2014	9,729	9,670	3,068	22,468		1/4/2014	465	43	3	511
TELANGANA	1/4/2015	9,807	9,957	3,029	22,792		1/4/2015	465	43	3	511
JHARKHAND	1/4/2013	41,155	32,986	6,559	80,701	MEGHALAYA	1/4/2013	89	17	471	576
	1/4/2014	41,377	32,780	6,559	80,716		1/4/2014	89	17	471	576
	1/4/2015	41,463	33,026	6,559	81,049		1/4/2015	89	17	471	576
BIHAR	1/4/2013	0	0	160	160	NAGALAND	1/4/2013	9	0	307	315
	1/4/2014	0	0	160	160		1/4/2014	9	0	307	315
	1/4/2015	0	0	160	160		1/4/2015	9	0	307	315
MADHYA PRADESH	1/4/2013	9,818	12,355	2,889	25,061	TERTIARY	1/4/2013	594	99	799	1,493
	1/4/2014	10,411	12,382	2,879	25,673	Coalfields	1/4/2014	594	99	799	1,493
	1/4/2015	10,411	12,784	3,341	26,536		1/4/2015	594	99	799	1,493
CHHATTISGARH	1/4/2013	14,779	34,107	3,283	52,169	INDIA	1/4/2013	1,23,182	1,42,633	33,100	2,98,915
	1/4/2014	16,052	33,253	3,228	52,533		1/4/2014	1,25,909	1,42,506	33,148	3,01,564
	1/4/2015	18,237	34,390	2,285	54,912		1/4/2015	1,31,614	1,43,241	31,740	3,06,596
MAHARASHTRA	1/4/2013	5,667	3,186	2,110	10,964	Singrimari coalfield of Assam (Non-Coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.					
	1/4/2014	5,667	3,186	2,110	10,964						
	1/4/2015	5,953	3,190	2,110	11,253						
ODISHA	1/4/2013	27,284	37,110	9,316	73,710						
	1/4/2014	27,791	37,873	9,408	75,073						
	1/4/2015	30,747	36,545	8,507	75,799						
SIKKIM	1/4/2013	0	58	43	101						
	1/4/2014	0	58	43	101						
	1/4/2015	0	58	43	101						
UTTAR PRADESH	1/4/2013	884	178	0	1,062						
	1/4/2014	884	178	0	1,062						
	1/4/2015	884	178	0	1,062						
WEST BENGAL	1/4/2013	13,396	12,995	4,892	31,283						
	1/4/2014	13,403	13,022	4,893	31,318						
	1/4/2015	13,518	13,010	4,907	31,435						
GONDAWANA	1/4/2013	1,22,588	1,42,534	32,301	2,97,423						
	1/4/2014	1,25,315	1,42,407	32,350	3,00,072						
	1/4/2015	1,31,020	1,43,142	30,941	3,05,103						

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 01-04-2015)

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	45.75	14.19	0.00	59.94	
		Semi Coking	300-600	109.51	113.23	23.48	246.22	
		Semi Coking	600-1200	32.79	305.07	144.75	482.61	
		Non Coking	0-300	9937.67	1691.60	267.80	11897.07	
		Non Coking	300-600	2335.06	3313.10	2096.32	7744.48	
		Non Coking	600-1200	306.16	1851.06	1494.87	3652.09	
		TOTAL			13317.36	7288.25	4027.22	24632.83
		BARJORA	Non Coking	0-300	200.79	0.00	0.00	200.79
		BIRBHUM	Non Coking	0-300	0.00	818.42	114.98	933.40
			Non Coking	300-600	0.00	3721.59	575.54	4297.13
			Non Coking	600-1200	0.00	1181.43	174.05	1355.48
			TOTAL			0.00	5721.44	864.57
		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	188.05	432.49	168.23	788.77
	WEST BENGAL	TOTAL	Non Coking	0-1200	12779.68	12577.20	4738.56	30095.44
WEST BENGAL	TOTAL	ALL	0-1200	13518.15	13009.69	4906.79	31434.63	
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	4039.41	4.01	0.00	4043.42
	Prime Coking		600-1200	574.94	694.70	0.00	1269.64	
	Medium Coking		0-600	4064.18	2.82	0.00	4067.00	
	Medium Coking		600-1200	296.30	1800.70	0.00	2097.00	
	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				15127.97	4302.09	0.00	19430.06
		EAST BOKARO	Medium Coking	0-300	2618.33	1258.81	18.71	3895.85
	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			3385.77	3903.71	863.32	8152.80

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2015)

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	2990.73	1116.32	28.66	4135.71
		Medium Coking	300-600	496.14	178.36	5.00	679.50
		Non Coking	0-300	268.57	9.37	0.00	277.94
		Non Coking	300-600	5.81	4.66	0.00	10.47
		TOTAL			3761.25	1308.71	33.66
	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
	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	8388.03	2463.07	722.03	11573.13
		Non Coking	300-600	602.72	1626.64	729.50	2958.86
		Non Coking	600-1200	0.00	25.76	0.00	25.76
		TOTAL			9499.42	6914.61	1864.96
	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	2815.12	514.30	287.45	3616.87
		Non Coking	300-600	412.72	705.27	644.03	1762.02
		Non Coking	600-1200	2.25	134.69	252.51	389.45
		TOTAL			3230.09	1867.66	1480.22
	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
	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
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	2978.84	7531.73	534.77	11045.34	
	Non Coking	300-600	232.34	3656.87	1151.95	5041.16	
	Non Coking	600-1200	0.00	30.46	5.10	35.56	
	TOTAL			3211.18	11219.06	1691.82	16122.06
JHARKHAND	TOTAL	Prime Coking	0-1200	4614.35	698.71	0.00	5313.06
JHARKHAND	TOTAL	Medium Coking	0-1200	12483.99	10553.45	1606.64	24644.08
JHARKHAND	TOTAL	Semi Coking	0-1200	223.34	471.55	53.45	748.34
JHARKHAND	TOTAL	Non Coking	0-1200	24141.24	21302.67	4899.38	50343.29
JHARKHAND	TOTAL	ALL	0-1200	41462.92	33026.38	6559.47	81048.77

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2015)

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	0.00	0.00	160.00	160.00
BIHAR	TOTAL	Non Coking	0-1200	0.00	0.00	160.00	160.00
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	1085.75	203.72	138.67	1428.14
		Non Coking	300-600	272.20	274.93	394.02	941.15
		Non Coking	600-1200	0.00	0.00	0.86	0.86
		TOTAL			1465.78	878.66	692.13
	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
	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	1503.63	2742.82	186.98	4433.43
		Non Coking	300-600	1.27	1594.13	18.19	1613.59
		Non Coking	600-1200	0.00	31.31	0.00	31.31
		TOTAL			1751.56	5528.36	319.42
	SINGRAULI	Non Coking	0-300	5336.04	2468.75	1264.35	9069.14
		Non Coking	300-600	1196.64	3486.05	833.27	5515.96
		Non Coking	600-1200	0.00	141.26	77.16	218.42
		TOTAL			6532.68	6096.06	2174.78
MADHYA PRADESH	TOTAL	Medium Coking	0-1200	354.49	1560.11	272.83	2187.43
MADHYA PRADESH	TOTAL	Non Coking	0-1200	10056.94	11223.70	3067.72	24348.36
MADHYA PRADESH	TOTAL	ALL	0-1200	10411.43	12783.81	3340.55	26535.79

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2015)

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	101.00	936.39	0.00	1037.39	
		Non Coking	300-600	27.72	859.37	1.89	888.98	
		Non Coking	600-1200	0.00	568.85	0.00	568.85	
		TOTAL			199.49	2463.86	1.89	2665.24
		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	1141.94	487.98	0.00	1629.92	
	EAST BISRAPUR	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	5087.19	3644.30	99.91	8831.40	
		Non Coking	300-600	563.95	2292.20	68.11	2924.26	
		TOTAL			5651.14	5936.50	168.02	11755.66
	MAND-RAIGARH	Non Coking	0-300	6598.71	12434.66	1125.41	20158.78	
		Non Coking	300-600	1311.41	5991.21	525.99	7828.61	
		Non Coking	600-1200	0.00	610.88	0.00	610.88	
		TOTAL			7910.12	19036.75	1651.40	28598.27
	TATAPANI-RAMKOLA	Non Coking	0-300	50.43	1161.68	24.85	1236.96	
		Non Coking	300-600	0.00	1361.24	184.83	1546.07	
		Non Coking	600-1200	0.00	303.36	0.00	303.36	
		TOTAL			50.43	2826.28	209.68	3086.39
	CHHATTISGARH	TOTAL	Semi Coking	0-1200	70.77	99.25	0.00	170.02
	CHHATTISGARH	TOTAL	Non Coking	0-1200	18166.23	34290.84	2285.11	54742.18
	CHHATTISGARH	TOTAL	ALL	0-1200	18237.00	34390.09	2285.11	54912.20

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2015)

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	3717.31	745.28	298.17	4760.76	
		Non Coking	300-600	39.47	733.93	1125.90	1899.30	
		Non Coking	600-1200	0.00	13.37	0.00	13.37	
		TOTAL			3756.78	1492.58	1424.07	6673.43
	KAMPTEE	Non Coking	0-300	1203.05	583.83	41.76	1828.64	
		Non Coking	300-600	73.09	607.36	324.96	1005.41	
		Non Coking	600-1200	0.00	13.69	138.72	152.41	
		TOTAL			1276.14	1204.88	505.44	2986.46
	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	5953.39	3189.64	2110.21	11253.24
	MAHARASHTRA	TOTAL	ALL	0-1200	5953.39	3189.64	2110.21	11253.24
	ODISHA	IB-RIVER	Non Coking	0-300	10083.24	4880.44	141.00	15104.68
			Non Coking	300-600	1110.44	4140.39	4168.93	9419.76
			Non Coking	600-1200	0.00	303.41	2.69	306.10
			TOTAL			11193.68	9324.24	4312.62
		TALCHER	Non Coking	0-300	18222.30	11565.51	2653.02	32440.83
Non Coking			300-600	1330.83	14074.47	1068.15	16473.45	
Non Coking			600-1200	0.00	1580.82	473.44	2054.26	
TOTAL					19553.13	27220.80	4194.61	50968.54
ODISHA		TOTAL	Non Coking	0-1200	30746.81	36545.04	8507.23	75799.08
ODISHA		TOTAL	ALL	0-1200	30746.81	36545.04	8507.23	75799.08

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2015)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)				
				Proved	Indicated	Inferred	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
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	
TELANGANA	GODAVARI VALLEY	Non Coking	0-300	6136.40	3160.09	107.21	9403.70	
		Non Coking	300-600	3595.20	4236.43	490.84	8322.47	
		Non Coking	600-1200	74.92	1411.40	1998.86	3485.18	
		TOTAL	0-1200	9806.52	8807.92	2596.91	21211.35	
TELANGANA	TOTAL	Non Coking	0-1200	9806.52	8807.92	2596.91	21211.35	
TELANGANA	TOTAL	ALL	0-1200	9806.52	8807.92	2596.91	21211.35	
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	3.63	0.00	3.63	
		Non Coking	300-600	0.00	0.11	0.00	0.11	
		Non Coking	600-1200	0.00	0.00	0.00	0.00	
		TOTAL			0.00	4.13	0.00	4.13
	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	3.74	0.00	3.74	
ASSAM	TOTAL	High Sulphur	0-1200	464.78	42.72	3.02	510.52	
ASSAM	TOTAL	ALL	0-1200	464.78	46.85	3.02	514.65	
ARUNACHAL PRADESH	NAMCHIK-NAMPHUK	High Sulphur	0-300	31.23	40.11	12.89	84.23	
ARUNACHAL PRADESH	MIAO BUM	High Sulphur	0-300	0.00	0.00	6.00	6.00	
ARUNACHAL PRADESH	TOTAL	High Sulphur	0-1200	31.23	40.11	18.89	90.23	
ARUNACHAL PRADESH	TOTAL	ALL	0-1200	31.23	40.11	18.89	90.23	
MEGHALAYA	WEST-DARANGIRI	High Sulphur	0-300	65.40	0.00	59.60	125.00	
	EAST DARANGIRI	High Sulphur	0-300	0.00	0.00	34.19	34.19	
	BALPHAKRAM-PENDENGURU	High Sulphur	0-300	0.00	0.00	107.03	107.03	
	SIJU	High Sulphur	0-300	0.00	0.00	125.00	125.00	
	LANGRIN	High Sulphur	0-300	10.46	16.51	106.19	133.16	
	MAWLONG SHELIA	High Sulphur	0-300	2.17	0.00	3.83	6.00	

Contd....

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2015)

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	0.08	2.08
	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	306.65	315.41
NAGALAND	TOTAL	ALL	0-1200	8.76	0.00	306.65	315.41
INDIA	TOTAL	Prime Coking	0-1200	4614.35	698.71	0.00	5313.06
INDIA	TOTAL	Medium Coking	0-1200	13388.90	12113.56	1879.47	27381.93
INDIA	TOTAL	Semi Coking	0-1200	482.16	1003.68	221.68	1707.52
INDIA	TOTAL	Non Coking	0-1200	112534.85	129325.81	28839.75	270700.41
INDIA	TOTAL	High Sulphur	0-1200	593.81	99.34	799.49	1492.64
INDIA	TOTAL		0-1200	131614.07	143241.10	31740.39	306595.56
INDIA	Total for Tertiary Coalfields		0-1200	593.81	99.34	799.49	1492.64
INDIA	Total for Gondwana Coalfields*		0-1200	131020.26	143141.76	30940.90	305102.92
INDIA	GRAND TOTAL		0-1200	131614.07	143241.10	31740.39	306595.56

* Including Sikkim

TABLE 2.4: COAL RESERVE BY TYPE OF COAL AND DEPTH AS ON (as on 01-04-2015)

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	<i>TOTAL (Jharia)</i>	Prime Coking	0-600	4039.41	4.01	0.00	4043.42
INDIA	<i>TOTAL (Jharia)</i>	Prime Coking	600-1200	574.94	694.70	0.00	1269.64
INDIA	<i>TOTAL (Other than Jharia)</i>	Medium Coking	0-300	7331.83	4059.26	65.79	11456.88
INDIA	<i>TOTAL (Other than Jharia)</i>	Medium Coking	300-600	1165.79	4509.41	742.50	6417.70
INDIA	<i>TOTAL (Jharia)</i>	Medium Coking	0-600	4064.18	2.82	0.00	4067.00
INDIA	<i>TOTAL</i>	Medium Coking	600-1200	827.10	3542.07	1071.18	5440.35
INDIA	<i>TOTAL</i>	Semi Coking	0-300	339.86	126.36	0.55	466.77
INDIA	<i>TOTAL</i>	Semi Coking	300-600	109.51	572.25	76.38	758.14
INDIA	<i>TOTAL</i>	Semi Coking	600-1200	32.79	305.07	144.75	482.61
INDIA	<i>TOTAL</i>	High Sulphur	0-300	407.96	83.19	799.49	1290.64
INDIA	<i>TOTAL</i>	High Sulphur	300-600	185.85	16.15	0.00	202.00
INDIA	<i>TOTAL (Other than Jharia)</i>	Non Coking	0-300	92528.05	64436.53	8752.83	165717.41
INDIA	<i>TOTAL (Other than Jharia)</i>	Non Coking	300-600	13470.33	54755.62	15134.41	83360.36
INDIA	<i>TOTAL (Jharia)</i>	Non Coking	0-600	5657.14	444.86	0.00	6102.00
INDIA	<i>TOTAL</i>	Non Coking	600-1200	879.33	9688.80	4952.51	15520.64
INDIA	TOTAL	Grand Total	0-1200	131614.07	143241.10	31740.39	306595.56

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 01-04-2015)
(Quantity in Million Tonnes)

State/ Field	Depth Range(M)	PROVED						INDICATED						Inferred	Grand Total
		GR-A	GR-B	GR-C	GR-D	GR-EFG	Total	GR-A	GR-B	GR-C	GR-D	GR-EFG	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
WEST BENGAL															
Raniganj	0-300	69.67	1548.82	3478.13	2834.14	2006.91	9937.67	27.68	188.67	483.08	459.78	532.39	1691.60	267.80	11897.07
	300-600	56.75	602.61	672.55	495.18	507.97	2335.06	54.09	684.20	1208.79	696.25	669.77	3313.10	2096.32	7744.48
	600-1200	12.62	77.56	120.46	77.27	18.25	306.16	152.85	367.36	529.11	418.82	382.92	1851.06	1494.87	3652.09
	0-1200	139.04	2228.99	4271.14	3406.59	2533.13	12578.89	234.62	1240.23	2220.98	1574.85	1585.08	6855.76	3858.99	23293.64
Barjora	0-300	0.00	0.00	0.00	0.34	200.45	200.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.79
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	15.00	15.00
Birbhum	0-300	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	33.58	198.97	584.59	818.42	114.98	933.40
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.10	1117.04	576.85	1982.60	3721.59	575.54	4297.13
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.60	296.17	528.37	338.29	1181.43	174.05	1355.48
	0-1200	0.00	0.00	0.00	0.00	0.00	0.00	1.28	63.70	1446.79	1304.19	2905.48	5721.44	864.57	6586.01
Total		139.04	2228.99	4271.14	3406.93	2733.58	12779.68	235.90	1303.93	3667.77	2879.04	4490.56	12577.20	4738.56	30095.44
Jharkhand															
Raniganj	0-300	0.00	3.04	51.03	190.45	867.01	1111.53	0.00	0.00	0.00	0.72	88.60	89.32	29.55	1230.40
	300-600	0.00	0.00	0.00	20.63	85.40	106.03	0.00	0.00	0.00	142.07	178.00	320.07	2.00	428.10
	0-600	0.00	3.04	51.03	211.08	952.41	1217.56	0.00	0.00	0.00	142.79	266.60	409.39	31.55	1658.50
Jharia	0-600	63.39	42.84	86.85	462.04	5002.02	5657.14	6.08	2.27	0.99	7.60	427.92	444.86	0.00	6102.00
	600-1200	5.64	3.42	6.50	35.95	444.49	496.00	1541.00	9.34	17.76	98.21	1214.28	1355.00	0.00	1851.00
	0-1200	69.03	46.26	93.35	497.99	5446.51	6153.14	21.49	11.61	18.75	105.81	1642.20	1799.86	0.00	7953.00
East	0-300	0.00	0.11	3.15	13.61	78.30	95.17	0.00	7.76	7.77	19.82	21.46	56.81	0.00	151.98
Bokaro	300-600	0.00	0.00	0.30	1.55	7.05	8.90	0.00	0.40	0.40	1.61	3.28	5.69	0.00	14.59
	0-600	0.00	0.11	3.45	15.16	85.35	104.07	0.00	8.16	8.17	21.43	24.74	62.50	0.00	166.57
West	0-300	0.00	1.26	14.15	45.93	207.23	268.57	0.00	0.02	0.11	0.11	9.13	9.37	0.00	277.94
Bokaro	300-600	0.00	0.00	0.38	1.44	3.99	5.81	0.00	0.00	0.30	1.15	3.21	4.66	0.00	10.47
	0-600	0.00	1.26	14.53	47.37	211.22	274.38	0.00	0.02	0.41	1.26	12.34	14.03	0.00	288.41
Ramgarh	0-300	0.00	0.00	0.00	3.50	3.63	7.13	0.00	0.00	0.00	13.10	13.10	26.20	4.60	37.93
North	0-300	37.21	66.56	143.92	968.35	7171.99	8388.03	6.56	1.19	4.05	308.19	2143.08	2463.07	722.03	11573.13
Karanpura	300-600	0.00	0.25	7.56	127.77	467.14	602.72	0.00	2.85	3.77	451.75	1168.27	1626.64	729.50	2958.86
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	25.37	25.76	0.00	25.76
	0-1200	37.21	66.81	151.48	1096.12	7639.13	8990.75	6.56	4.04	7.82	760.33	3336.72	4115.47	1451.53	14557.75
South	0-300	149.61	121.96	324.07	589.18	1630.30	2815.12	0.06	45.11	101.20	186.62	181.31	514.30	287.45	3616.87
Karanpura	300-600	10.57	20.16	35.72	86.59	259.68	412.72	1.46	69.15	102.24	224.12	308.30	705.27	644.03	1762.02
	600-1200	0.00	0.00	0.00	0.38	1.87	2.25	0.83	12.09	37.00	43.11	41.66	134.69	252.51	389.45
	0-1200	160.18	142.12	359.79	676.15	1891.85	3230.09	2.35	126.35	240.44	453.85	531.27	1354.26	1183.99	5768.34
Aurangabad	0-300	0.00	0.00	0.00	0.04	352.01	352.05	0.00	8.04	11.03	134.71	1087.44	1241.22	43.07	1636.34
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.33	95.19	749.49	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	14.74	18.68	33.42	37.27	70.69
	0-1200	0.00	0.00	0.00	0.04	352.01	352.05	0.00	8.04	33.36	244.64	1855.61	2141.65	503.41	2997.11
Hutar	0-300	28.39	56.51	41.01	40.23	24.65	190.79	4.22	5.00	5.00	0.00	0.00	14.22	32.48	237.49
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	3.17	3.83	3.83	0.72	0.78	12.33	0.00	12.33
	0-600	28.39	56.51	41.01	40.23	24.65	190.79	7.39	8.83	8.83	0.72	0.78	26.55	32.48	249.82

Contd....

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2015)
(Quantity in Million Tonnes)

State/ Field	Depth Range(M)	PROVED						INDICATED						Inferred	Grand Total
		GR-A	GR-B	GR-C	GR-D	GR-EFG	Total	GR-A	GR-B	GR-C	GR-D	GR-EFG	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Daltonganj	0-300	10.00	20.00	29.00	4.00	20.86	83.86	7.14	14.28	20.71	2.86	15.11	60.10	0.00	143.96
Deogarh	0-300	0.87	25.19	70.81	90.03	139.34	326.24	0.20	5.68	15.97	20.31	31.44	73.60	0.00	399.84
Rajmahal	0-300	0.00	0.56	53.05	160.26	2764.97	2978.84	0.34	27.73	320.61	1634.64	5548.41	7531.73	534.77	11045.34
	300-600	0.00	0.00	3.82	35.20	193.32	232.34	0.00	30.45	380.07	1227.36	2018.99	3656.87	1151.95	5041.16
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	29.75	30.46	5.10	35.56
	0-1200	0.00	0.56	56.87	195.46	2958.29	3211.18	0.34	58.18	700.68	2862.71	7597.15	11219.06	1691.82	16122.06
Total		305.68	361.86	871.32	2877.13	#####	24141.24	45.47	245.19	1055.14	4629.81	#####	21302.67	4899.38	50343.29
Bihar															
Rajmahal	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	160.00	160.00
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160.00	160.00
Madhya Pradesh															
Johilla	0-300	0.31	36.17	70.29	44.33	33.98	185.08	0.00	32.52	32.59	17.25	21.73	104.09	32.83	322.00
Umaria	0-300	0.50	11.63	39.02	59.69	66.86	177.70	0.11	0.49	1.02	1.36	0.61	3.59	0.00	181.29
Pench-Kanhan	0-300	53.94	153.23	292.84	276.99	308.75	1085.75	14.57	35.20	55.48	73.43	25.04	203.72	138.67	1428.14
	300-600	17.61	41.15	66.51	72.97	73.96	272.20	15.99	88.26	110.15	12.36	48.17	274.93	394.02	941.15
	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	0.86	0.86
	0	71.55	194.38	359.35	349.96	382.71	1357.95	30.56	123.46	165.63	85.79	73.21	478.65	533.55	2370.15
Pathakhera	0-300	1.08	13.12	63.51	87.45	95.92	261.08	0.00	2.76	4.36	12.54	32.04	51.70	0.00	312.78
	300-600	0.00	0.22	4.73	13.63	11.14	29.72	0.00	0.00	2.72	14.68	19.03	36.43	68.00	134.15
	0-600	1.08	13.34	68.24	101.08	107.06	290.80	0.00	2.76	7.08	27.22	51.07	88.13	68.00	446.93
Gurgunda	0-300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	3.74	5.67	62.95	72.54	2.25	74.79
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.50	0.24	11.12	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	6.16	6.16
	0-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	4.24	5.91	74.07	84.92	53.39	138.31
Mohpani	0-300	0.00	0.00	0.00	0.00	7.83	7.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.83
Sohagpur	0-300	114.59	238.54	428.30	360.70	361.50	1503.63	109.78	454.95	944.12	652.71	581.26	2742.82	186.98	4433.43
	300-600	0.00	0.00	0.40	0.27	0.60	1.27	119.24	399.95	523.70	288.53	262.71	1594.13	18.19	1613.59
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.96	12.64	3.14	6.92	7.65	31.31	0.00	31.31
	0-1200	114.59	238.54	428.70	360.97	362.10	1504.90	229.98	867.54	1470.96	948.16	851.62	4368.26	205.17	6078.33
Singrauli	0-300	4.44	82.35	768.45	1169.68	3311.12	5336.04	43.23	223.04	761.40	632.88	808.20	2468.75	1264.35	9069.14
	300-600	0.55	1.63	72.90	359.61	761.95	1196.64	38.89	357.92	790.32	1203.43	1095.49	3486.05	833.27	5515.96
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	17.14	42.63	47.22	25.22	9.05	141.26	77.16	218.42
	0-1200	4.99	83.98	841.35	1529.29	4073.07	6532.68	99.26	623.59	1598.94	1861.53	1912.74	6096.06	2174.78	14803.52
Total		193.02	578.04	1806.95	2445.32	5033.61	10056.94	359.91	1651.06	3280.46	2947.22	2985.05	11223.70	3067.72	24348.36
Chhattisgarh															
Sohagpur	0-300	23.20	35.40	29.02	4.92	1.76	94.30	0.43	1.28	6.99	0.96	0.42	10.08	0.00	104.38
Sonhat	0-300	14.31	35.83	20.00	12.80	18.06	101.00	0.00	9.21	51.22	291.53	584.43	936.39	0.00	1037.39
	300-600	1.25	19.37	5.45	1.65	0.00	27.72	11.71	129.29	201.72	373.10	143.55	859.37	1.89	888.98
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.10	46.09	105.85	176.77	240.04	568.85	0.00	568.85
	0-1200	15.56	55.20	25.45	14.45	18.06	128.72	11.81	184.59	358.79	841.40	968.02	2364.61	1.89	2495.22
Jhilimili	0-300	64.86	49.70	27.40	15.02	71.22	228.20	14.02	10.11	7.78	0.66	6.33	38.90	0.00	267.10
Chirimiri	0-300	66.14	116.11	116.09	11.00	10.99	320.33	0.76	5.04	5.03	0.00	0.00	10.83	31.00	362.16
Bisrampur	0-300	98.68	267.41	167.43	227.91	380.51	1141.94	15.37	35.67	103.70	127.23	206.01	487.98	0.00	1629.92

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TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2015)
(Quantity in Million Tonnes)

State/ Field	Depth Range(M)	PROVED						INDICATED						Inferred	Grand Total
		GR-A	GR-B	GR-C	GR-D	GR-EFG	Total	GR-A	GR-B	GR-C	GR-D	GR-EFG	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
East of Birsampur	0-300	0.00	0.00	0.00	0.00	0.00	0.00	14.95	5.59	28.17	77.54	38.57	164.82	0.00	164.82
Lakhanpur	0-300	4.22	44.21	125.23	135.25	146.97	455.88	0.00	0.00	0.03	0.79	2.53	3.35	0.00	459.23
Panchbahini	0-300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	6.60	1.73	2.66	11.00	0.00	11.00
Hasdo-Arand	0-300	1.36	18.41	100.95	360.57	1540.55	2021.84	61.42	151.19	634.46	1279.95	1086.42	3213.44	220.15	5455.43
	300-600	0.00	0.00	0.06	1.43	8.95	10.44	8.69	28.80	12.06	8.12	2.31	59.98	2.97	73.39
	0-600	1.36	18.41	101.01	362.00	1549.50	2032.28	70.11	179.99	646.52	1288.07	1088.73	3273.42	223.12	5528.82
Sendurgarh	0-300	0.78	27.79	48.24	32.53	43.55	152.89	11.57	51.22	30.77	19.27	13.49	126.32	0.00	279.21
Korba	0-300	223.01	110.08	148.80	252.60	4352.70	5087.19	38.15	32.95	114.86	126.29	3332.05	3644.30	99.91	8831.40
	300-600	10.00	0.00	0.00	6.03	547.92	563.95	7.50	0.00	39.81	372.77	1872.12	2292.20	68.11	2924.26
	0-600	233.01	110.08	148.80	258.63	4900.62	5651.14	45.65	32.95	154.67	499.06	5204.17	5936.50	168.02	11755.66
Mand-Raigarh	0-300	24.27	39.82	213.88	578.68	5742.06	6598.71	79.09	33.48	245.44	1804.66	#####	12434.66	1125.41	20158.78
	300-600	48.11	19.73	159.84	307.61	776.12	1311.41	123.37	92.57	398.93	1597.43	3778.91	5991.21	525.99	7828.61
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	82.03	162.49	365.88	610.88	0.00	610.88
	0-1200	72.38	59.55	373.72	886.29	6518.18	7910.12	202.94	126.05	726.40	3564.58	#####	19036.75	1651.40	28598.27
Tatapani-Ramkola	0-300	1.15	1.08	2.54	3.92	41.74	50.43	28.86	73.83	240.37	293.94	524.68	1161.68	24.85	1236.96
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	69.47	96.01	241.94	307.50	646.32	1361.24	184.83	1546.07
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	17.73	13.11	30.74	49.79	191.99	303.36	0.00	303.36
	0-1200	1.15	1.08	2.54	3.92	41.74	50.43	116.06	182.95	513.05	651.23	1362.99	2826.28	209.68	3086.39
Total		581.34	784.94	1164.93	1951.92	#####	18166.23	503.67	815.45	2588.50	7072.52	#####	34290.84	2285.11	54742.18
Uttar Pradesh															
Singrauli	0-300	0.00	0.00	8.05	275.80	600.19	884.04	0.00	0.00	0.00	99.09	78.67	177.76	0.00	1061.80
Total		0.00	0.00	8.05	275.80	600.19	884.04	0.00	0.00	0.00	99.09	78.67	177.76	0.00	1061.80
Maharashtra															
Wardha Valley	0-300	0.00	31.47	297.86	1644.17	1743.81	3717.31	0.00	24.33	46.14	322.51	352.30	745.28	298.17	4760.76
	300-600	0.00	0.00	1.59	21.17	16.71	39.47	0.00	46.03	104.39	202.32	381.19	733.93	1125.90	1899.30
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.09	2.28	13.37	0.00	13.37
	0-1200	0.00	31.47	299.45	1665.34	1760.52	3756.78	0.00	70.36	150.53	535.92	735.77	1492.58	1424.07	6673.43
Kamptee	0-300	1.86	53.12	327.66	339.31	481.10	1203.05	5.13	12.02	113.36	190.87	262.45	583.83	41.76	1828.64
	300-600	0.00	0.91	23.86	28.82	19.50	73.09	16.64	21.73	178.33	153.33	237.33	607.36	324.96	1005.41
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	6.77	0.00	0.31	2.22	4.39	13.69	138.72	152.41
	0-1200	1.86	54.03	351.52	368.13	500.60	1276.14	28.54	33.75	292.00	346.42	504.17	1204.88	505.44	2986.46
Umrer-Makardhokra	0-300	0.00	0.53	42.18	127.29	138.41	308.41	0.00	0.00	0.00	0.00	0.00	0.00	65.53	373.94
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	11.95	11.95
	0-1200	0.00	0.53	42.18	127.29	138.41	308.41	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	397.69	0.00	9.84	77.52	110.92	100.08	298.36	0.00	696.05
	300-600	0.06	5.18	18.86	22.44	157.83	204.37	0.00	11.45	72.33	46.06	47.22	177.06	0.00	381.43
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.40	9.00	1.72	0.64	16.76	0.00	16.76
	0-1200	2.86	50.59	107.68	120.64	320.29	602.06	0.00	26.69	158.85	158.70	147.94	492.18	0.00	1094.24
Bokhara	0-300	0.00	1.33	1.33	2.66	4.68	10.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	30.00
Total		4.72	137.95	802.16	2284.06	2724.50	5953.39	28.54	130.80	601.38	1041.04	1387.88	3189.64	2110.21	11253.24

Contd....

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2015)
(Quantity in Million Tonnes)

State/ Field	Depth Range(M)	PROVED						INDICATED						Inferred	Grand Total
		GR-A	GR-B	GR-C	GR-D	GR-EFG	Total	GR-A	GR-B	GR-C	GR-D	GR-EFG	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Odisha															
lb-River	0-300	0.33	4.60	50.02	288.61	9739.68	10083.24	4.15	23.65	83.33	308.17	4461.14	4880.44	141.00	15104.68
	300-600	0.00	5.62	20.95	67.23	1016.64	1110.44	15.86	142.08	213.66	519.86	3248.93	4140.39	4168.93	9419.76
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.63	25.10	70.54	207.14	303.41	2.69	306.10
	0-1200	0.33	10.22	70.97	355.84	#####	11193.68	20.01	166.36	322.09	898.57	7917.21	9324.24	4312.62	24830.54
Talcher	0-300	24.87	205.38	238.48	485.63	#####	18222.30	61.61	177.79	375.62	1381.39	9569.10	11565.51	2653.02	32440.83
	300-600	1.48	4.09	20.02	51.94	1253.30	1330.83	48.06	203.93	333.21	1555.79	#####	14074.47	1068.15	16473.45
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.12	79.10	120.58	1360.02	1580.82	473.44	2054.26
Talcher	0-1200	26.35	209.47	258.50	537.57	#####	19553.13	109.67	402.84	787.93	3057.76	#####	27220.80	4194.61	50968.54
Total		26.68	219.69	329.47	893.41	#####	30746.81	129.68	569.20	1110.02	3956.33	#####	36545.04	8507.23	75799.08
Andhra Pradesh															
Godavari	0-300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.82	19.81	458.83	482.46	45.03	527.49
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.56	13.91	566.25	584.72	107.75	692.47
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	0.00	80.09	81.87	278.87	360.74
	0-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.16	33.72	1105.17	1149.05	431.65	1580.70
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.16	33.72	1105.17	1149.05	431.65	1580.70
Telangana															
Godavari	0-300	45.32	232.17	1231.84	1275.85	3351.22	6136.40	46.32	99.89	338.46	516.33	2159.09	3160.09	107.21	9403.70
	300-600	26.80	183.80	696.83	1094.72	1593.05	3595.20	45.37	157.70	499.08	712.37	2821.91	4236.43	490.84	8322.47
	600-1200	2.20	4.86	3.57	28.78	35.51	74.92	8.16	149.19	228.13	407.07	618.85	1411.40	1998.86	3485.18
	0-1200	74.32	420.83	1932.24	2399.35	4979.78	9806.52	99.85	406.78	1065.67	1635.77	5599.85	8807.92	2596.91	21211.35
Total		74.32	420.83	1932.24	2399.35	4979.78	9806.52	99.85	406.78	1065.67	1635.77	5599.85	8807.92	2596.91	21211.35
Assam															
Singrimari	0-300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.79	0.00	0.00	0.84	3.63	0.00	3.63
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.11
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.79	0.00	0.00	0.95	3.74	0.00	3.74
Sikkim															
Rangit Valley	0-300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.43	48.21	5.61	58.25	42.98	101.23
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.43	48.21	5.61	58.25	42.98	101.23
Grand Total		1324.80	4732.30	#####	#####	#####	#####	1403.02	5125.20	#####	#####	#####	#####	#####	#####

Source: Geological Survey Of India

**TABLE - 2.6 : STATEWISE INVENTORY OF GEOLOGICAL RESERVE OF LIGNITE
AS ON 1st APRIL 2013, 2014 & 2015**

State	As on	Resources (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	Total
(2)	(1)	(3)	(4)	(5)	(6)
Gujarat	04-01-2013	1278.65	283.70	1159.70	2722.05
	04-01-2014	1278.65	283.70	1159.70	2722.05
	04-01-2015	1278.65	283.70	1159.70	2722.05
J & K	04-01-2013	0.00	20.25	7.30	27.55
	04-01-2014	0.00	20.25	7.30	27.55
	04-01-2015	0.00	20.25	7.30	27.55
Kerala	04-01-2013	0.00	0.00	9.65	9.65
	04-01-2014	0.00	0.00	9.65	9.65
	04-01-2015	0.00	0.00	9.65	9.65
Pondicherry	04-01-2013	0.00	405.61	11.00	416.61
	04-01-2014	0.00	405.61	11.00	416.61
	04-01-2015	0.00	405.61	11.00	416.61
Rajasthan	04-01-2013	1167.02	2671.93	1850.57	5689.52
	04-01-2014	1167.02	2671.93	1881.39	5720.35
	04-01-2015	1168.53	2670.84	1887.34	5726.71
Tamilnadu	04-01-2013	3735.23	22900.05	7712.43	34347.71
	04-01-2014	3735.23	22900.05	7712.43	34347.71
	04-01-2015	3735.23	22900.05	8573.62	35208.90
West Bengal	04-01-2013	0.00	1.13	1.64	2.77
	04-01-2014	0.00	1.13	1.64	2.77
	04-01-2015	0.00	1.13	1.64	2.77
All India	04-01-2013	6180.90	26282.67	10752.29	43215.86
	04-01-2014	6180.90	26282.67	10783.11	43246.68
	04-01-2015	6182.41	26281.58	11650.25	44114.24

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2015)
(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)	0-150	2831.00	134.00	138.00	3103.00	
		150-300	0.00	0.00	24.00	24.00	3127.00
	Devangudi & areas locked up between 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	0.00	501.00	0.00	501.00	
		150-300	0.00	9.00	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
Ariyalur	Meensuruti	0-150	0.00	0.00	458.00	458.00	458.00
	Jayamkondamcholapuram	0-150	904.23	302.50	0.00	1206.73	1206.73
	Michaelpatti	0-150	0.00	0.00	23.07	23.07	23.07
Neyveli Lignite Fields			3735.23	3238.85	1691.85	8665.93	8665.93
*(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 01.04.2015)
(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 & Thiruvarur	150-300	0.00	3159.00	0.00	3159.00	
		>300	0.00	1843.55	0.00	1843.55	5002.55
	Mannargudi-NE	150-300	0.00	275.26	0.00	275.26	
		>300	0.00	5867.28	0.00	5867.28	6142.54
	Mannargudi-NE extn.	>300	0.00	0.00	3057.95	3057.95	3057.95
	Mannargudi-SE	150-300	0.00	553.00	0.00	553.00	
		>300	0.00	5505.37	0.00	5505.37	6058.37
	Melnattam-Agraharam	150-300	0.00	44.60	65.51	110.11	110.11
Thanjavur	Mannargudi -NW	150-300	0.00	575.57	0.00	575.57	
		>300	0.00	421.10	0.00	421.10	996.67
	Mannargudi -SW	150-300	0.00	481.80	0.00	481.80	481.80
	Maharajapuram	150-300	0.00	23.95	0.00	23.95	23.95
	Orattanadu-Pattukottai	150-300	0.00	10.80	44.31	55.11	55.11
	Vadaseri(Orattanadu-Pattukottai)	0-150	0.00	9.37	0.00	9.37	
		150-300	0.00	745.83	0.00	745.83	755.20
	Madukkur-Anaikkadu	150-300	0.00	17.41	28.35	45.76	45.76
	Veppanagulam-Kasangadu	150-300	0.00	4.88	0.00	4.88	4.88
Thanjavur & Nagappattinam	Alangudi	150-300	0.00	24.98	48.01	72.99	
		>300	0.00	29.31	55.72	85.03	158.02
	Kadalangudi	0-150	0.00	0.00	0.43	0.43	
		150-300	0.00	0.00	317.74	317.74	
		>300	0.00	0.00	74.26	74.26	392.43
	Pandanallur	150-300	0.00	6.48	12.94	19.42	
		>300	0.00	18.14	36.11	54.25	73.67
	Thirumangalam	>300	0.00	233.22	295.30	528.52	528.52
	Tiruumangaichcheri	150-300	0.00	21.05	43.90	64.95	
		>300	0.00	26.03	42.21	68.24	133.19
Thiruvarur & Nagappattinam	Nachiyarkudi	>300	0.00	0.00	574.05	574.05	574.05
Mannargudi lignite Field			0.00	19897.98	4696.79	24594.77	24594.77

Contd....

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2015)
(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	>301	0.00	23.92	28.79	52.71	52.71
	Tiyanur	>302	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
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	2195.98	2364.81	2364.81
Total for Tamil Nadu			3735.23	22900.05	8573.62	35208.90	35208.90
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

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2015)
(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-Gao	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

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2015)
(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Barmer	Lalamdesar	0-150	0.00	0.09	0.00	0.09	0.09
	Lalamdesar Bada	0-150	1.51	0.49	0.00	2.00	2.00
	Mandal Charman	0-150	0.00	17.70	0.00	17.70	17.70
	Palana	0-150	23.57	0.00	0.00	23.57	23.57
	Palana East	0-150	0.00	1.46	0.00	1.46	1.46
	Panch-Peeth-Ki-Dhani	0-150	0.00	0.00	0.09	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
	Bharka	0-150	0.00	8.45	0.00	8.45	
		150-300	0.00	1.00	0.00	1.00	9.45
	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	

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2015)
(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 sub blocks)	150-300	0.00	48.47	0.00	48.47	
			>300	0.00	458.44	250.13	708.57	768.51
	Magne-ki-Dhani	0-150	0.00	0.00	8.78	8.78		
		150-300	0.00	0.00	3.91	3.91		
		>300	0.00	0.00	0.04	0.04	12.74	
	Mahabar-Shivkar	0-150	0.00	9.22	24.30	33.52		
		150-300	0.00	2.93	7.61	10.54	44.06	
	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		

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2015)
(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	895.03	339.16	1234.19	1234.19
	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
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
Nagaur& Pali	Kasnau-Igiar	0-150	64.90	0.00	0.00	64.90	64.90
	Matasukh	0-150	10.10	0.00	0.00	10.10	10.10
	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
	Kapriion-ka-Dhani	0-150	17.00	0.00	0.00	17.00	17.00
	Merta Road & Meeranagar	0-150	0.00	23.90	59.35	83.25	83.25
	Indawar	0-150	12.00	0.00	0.00	12.00	12.00
	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
	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
Jalore	Sewara	150-300	0.00	0.00	33.43	33.43	
		>300	0.00	0.00	42.65	42.65	76.08
Total for Rajasthan			1168.53	2670.84	1887.34	5726.71	5726.71

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2015)
(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
	Lakhpatt-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-Waghpadar	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, Nani Pardi etc.	0-150	225.88	0.00	0.00	225.88	
		>150	232.50	0.00	0.00	232.50	
		0-300	251.68	87.03	178.47	517.18	975.56
	Bhimpur	0-150	3.60	0.00	0.00	3.60	
		150-300	0.51	0.00	0.00	0.51	4.11
	Rajpardi (GMDC leasehold) byMEC	0-150	0.00	0.00	20.72	20.72	20.72
	Rajpardi (CGM) by MECL	0-300	0.00	0.00	292.04	292.04	292.04
Surat	Tadkeswar	0-300	0.00	0.00	123.10	123.10	123.10
	Dungra	0-300	0.00	0.00	92.52	92.52	92.52

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Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2015)
(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Surat	East of Kamrej-Vesma	150-300	0.00	0.00	7.92	7.92	7.92
	Tadkeswar Block-Mongrol, Mandvi, Vastan, Nani Naroli, Ghala etc.	0-300	218.28	108.71	112.67	439.66	439.66
Total for Gujarat			1278.65	283.70	1159.70	2722.05	2722.05
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
	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
Total for West Bengal			0.00	1.13	1.64	2.77	2.77
Grand Total for all States			6182.41	26281.58	11650.25	44114.24	44114.24

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)
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	All Agencies	36725	8899	67728	113352
2013-14	Geological Survey of India	15589	0	7380	22969
2013-14	Mineral Exploration Corporation Ltd.	37200	9553	61394	108147
2013-14	DGM (Nagaland)	783			783
2013-14	Central Mine Planning & Design Inst.	123	0	0	123
2013-14(XIITH Plan)	All Agencies	53695	9553	68774	132022
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
TOTAL (XIITH Plan)	Geological Survey of India	49196	0	24205	73401
TOTAL (XIITH Plan)	Mineral Exploration Corporation Ltd.	105644	22027	181074	308745
TOTAL (XIITH Plan)	DGM (Nagaland)	1538	0	0	1538
TOTAL (XIITH Plan)	Central Mine Planning & Design Inst.	1187	0	0	1187
G. TOTAL (XIITH Plan)	All Agencies	157565	22027	205279	384871

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

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

Command Area Year	Agency	CIL										SCCL
		Blocks	ECL	BCCL	CCL	NCL	WCL	SECL	MCL	NEC	TOTAL CIL	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
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	MECL	Non-CIL									0	
2007-08	CG/MP/Odisha Govt.	CIL					1071	3831	2449		7351	
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	MECL	Non-CIL									0	
2008-09	CG/MP/Odisha Govt.	CIL						3321	5019		8340	
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	MECL	Non-CIL									0	
2009-10	CG/MP/Odisha Govt.	CIL						3421	5680		9101	
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
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

Section III

Production & Productivity

3.1 Production

3.1.1 Coal production in India (including lignite) in the year 2014-15 reached 657.449 MT and registered an increase of 7.8% over the last year. The production of coal (excluding lignite) was 609.179 MT and the increase in this case over the last year was 7.7%. In case of lignite, the production increased from 44.271 MT in 2013-14 to 48.270 MT in 2014-15, thereby registering an increase of 9% over the last year.

3.1.2 Statement 3.1 shows production of coal in 2014-15 by different companies.

Company	Coal Production (2014-15) [MT]		
	Coking	Non-coking	Total
ECL	0.034	39.972	40.006
BCCL	30.770	3.742	34.512
CCL	19.326	36.326	55.652
NCL		72.484	72.484
WCL	0.310	40.837	41.147
SECL	0.126	128.149	128.275
MCL		121.379	121.379
NEC		0.779	0.779
CIL	50.566	443.668	494.234
SCCL		52.536	52.536
Other Public	0.444	19.818	20.262
Total Public	51.010	516.022	567.032
Total Private	6.436	35.711	42.147
ALL INDIA	57.446	551.733	609.179

It can be seen that the Coal India Ltd. accounted for 81.13% of coal production in the country. The share of SCCL in the coal production was 8.62% and the contribution of private sector was 6.92%. In the CIL group, the major contributors were SECL, MCL and NCL with share of 21.06%, 19.93%, and 11.90% respectively at all India level. These companies collectively accounted for 52.89% of the total coal production at all India level during FY : 2014-15.

3.1.3 From **Statement 3.1** it can be seen that the major share in the total coal is accounted by non-coking coal (90.57%). **Statement 3.2** shows that almost all coking coal were produced in the state of Jharkhand which accounted for 98.23% of the total coking coal production. From **Table 3.2** it can be seen that during 2014-15 the production of coking coal registered a nominal increase of 1.11% over the previous year whereas in the case of non-coking coal there was an increase of 8.41% over 2013-14. In case of coking coal, metallurgical coal with the production of 13.784 MT registered a decrease of 8.80% and non-metallurgical coal with the production of 43.662 MT registered an increase of 4.69%.

3.1.4 **Statement 3.2** shows the coal production in India during 2014-15 by states. It is observed that the three major coal producing states were Chhattisgarh (22.1%), Jharkhand (20.4%) and Odisha (20.3%) which together accounted for about 62.8% of the total coal production in the country.

States	Coal Production (2014-15) [MT]		
	Coking	N-Coking	Total
Arunachal Pradesh		0	0
Assam		0.779	0.779
Chhattisgarh	0.126	134.638	134.764
Jammu & Kashmir		0.013	0.013
Jharkhand	56.430	67.713	124.143
Madhya Pradesh	0.310	87.299	87.609
Maharashtra		38.257	38.257
Meghalaya		2.524	2.524
Odisha		123.627	123.627
Telangana		52.536	52.536
Uttar Pradesh		14.957	14.957
West Bengal	0.580	29.390	29.970
Total Public	51.010	516.022	567.032
Total Private	6.436	35.711	42.147
All India	57.446	551.733	609.179

3.1.5 From **Table 3.16** it can be observed that the production from the Opencast system of mining accounted for 92.04% of the total coal production and the rest 7.96% was accounted by Underground system of mining. From this table It is interesting to note that the share of Opencast mining in total coal production has been steadily increasing over time and in the last ten years it has increased from 85.02% in 2005-06 to 92.04% in 2014-15 also that of Under Ground mines the share has a decreasing trend.

3.1.6 The production of coal products increased from 43.758 MT in 2013-14 to **46.145** MT in 2014-15. From **Table 3.3**, it can be seen that in 2014-15, production of Washed Coal (Coking), Middling (Coking) and Middling (Non-coking) registered a decrease of 8.2%, 3.3% and 4.7% respectively. However, there was an increase in Washed Coal (Non-coking) and hard Coke by 10.2% and 13.4% respectively over the previous year. It is important to note that in 2014-15, the production of Washed Coal was 23.364 MT (Coking 6.070 MT and Non-coking 17.294 MT) against the total raw coal production of 609.179 MT in 2014-15 (Coking 57.446 MT and Non-coking 551.733 MT).

3.1.7 **Stripping Ratio** defined as the ratio of OBR (Over Burden Removal) to coal produced in Open Cast mining has been of interest to the researchers. From **table 3.19** it can be seen that in 2014-15, the stripping ratio at all India level was 2.33 while the corresponding figure for the year 2013-14 was 2.23. In 2014-15, the stripping ratio of CIL was 1.93 and of SCCL was 6.21. The corresponding figure for the public sector as a whole was 2.30 and for the private sector was 2.75. In case of CIL companies, MCL reported the lowest stripping ratio of 0.74 against the production (OC) of 120.103 MT of coal whereas NEC reported the highest stripping ratio of 13.12 with the production (OC) of 0.776 MT of coal and WCL reported the second highest stripping ratio of 3.66 with the production (OC) of 33.581 MT.

3.1.8 Output Per Man Shift (OMS) is one of the measures of efficiency in the production. **Table 3.20** depicts the OMS for 2014-15 as well as last year for two major players in the public sectors namely CIL and SCCL by type of mining. It is observed that during 2014-15, in respect of Opencast mining, OMS (in Tonnes) of CIL was 14.63 and SCCL was 12.14 against OMS of 13.16 and 11.10 respectively in 2013-14. In case of underground mining the trend is almost static.

From Table 3.20 it can also be seen that in case of CIL (OC), OMS has shown an increasing trend in last ten years. It has increased from 7.51 in 2005-06 to 14.63 in 2014-15. Further details on this issue are available in Tables 3.20 and 3.21.

Statement 3.3: OMS (Tonne)in OC & UG MINES in 2013-14 and 2014-15 (CIL & SCCL)

Year	Company	2013-14	2014-15
OMS (OC)	CIL	13.16	14.63
	SCCL	11.10	12.14
OMS (UG)	CIL	0.76	0.78
	SCCL	1.12	1.10
OMS (OVERALL)	CIL	5.79	6.50
	SCCL	3.86	4.20

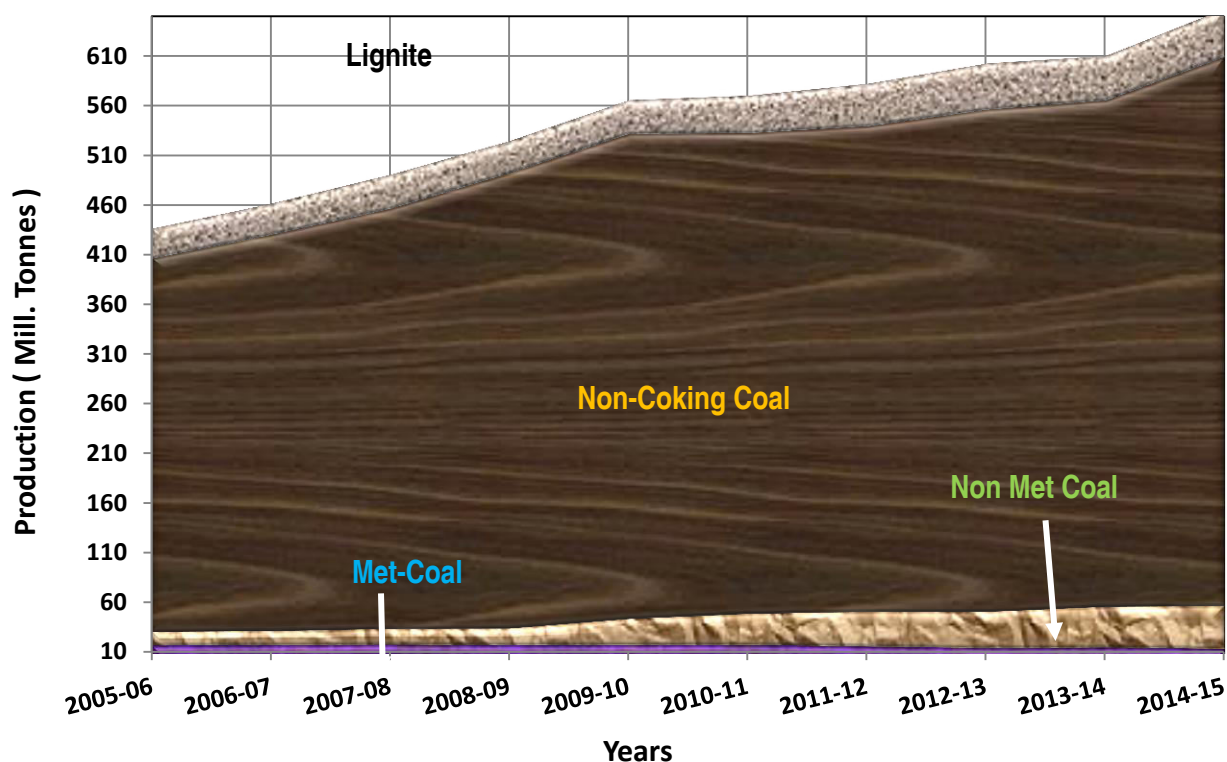
3.1.9 Lignite Production: From **Statement 3.4** it can be seen that in case of lignite the three major companies were NLC, GMDCL and BLMCL which contributed 54.99%, 18.05% and 14.50% respectively to the total lignite production. In 2014-15 an increase of 9.03% in the lignite production was observed against a decrease of 4.70% in 2013-14 over 2012-13. In 2014-15, production by BLMCL marked significant growth of 86.67% over 2013-14. Growth of GIPCL was 13.20%, VSLPPL 12.92% and GMDCL 3.75%. Performance of other companies remained more or less static.

Statement 3.4 shows production of lignite by different companies in 2013-14 and 2014-15.

Statement 3.4: Lignite Production (MT) in India by Company in 2013-14 and 2014-15

Company	2013-14	2014-15
NLC	26.609	26.543
GMDCL	8.398	8.713
BLMCL	3.75	7.00
GIPCL	3.006	3.404
RSMML	1.428	1.405
VS LIGNITE	0.89	1.005
GHCL	0.19	0.2
All India	44.271	48.270

Chart III.1 - Area Graph : Trend of Production of Different types of Solid Fossil Fuel during 2005-2006 to 2014-2015

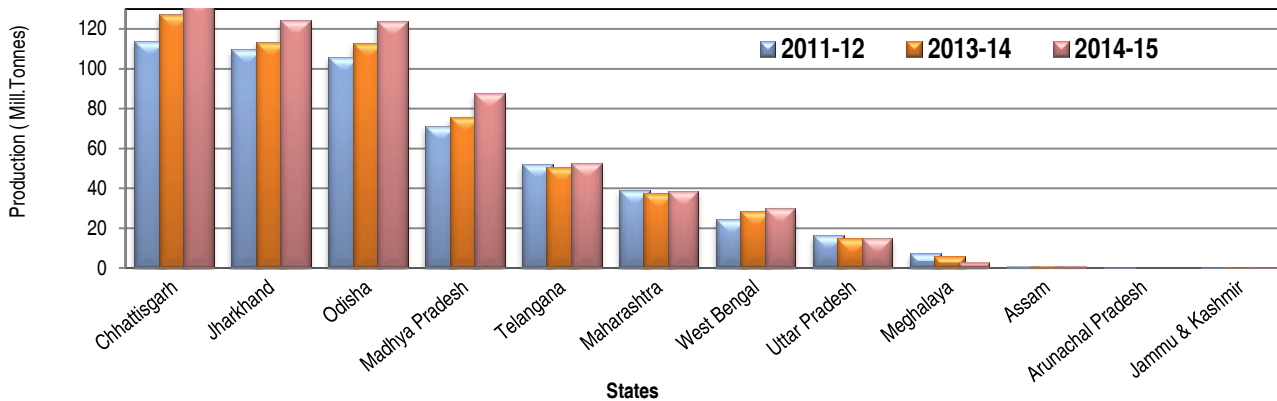


Production of different types of solid fossil fuels during 2005-06 TO 2014-15 (Quantity in Mill.Tonnes).

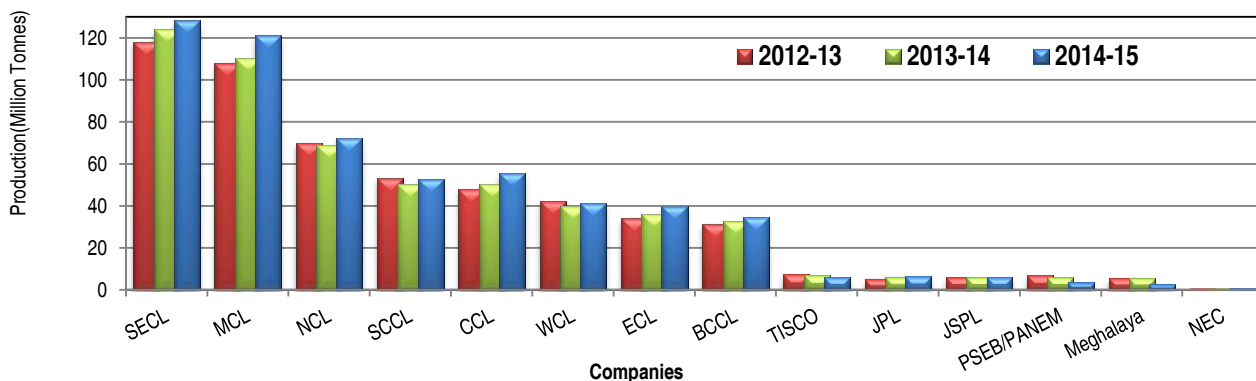
Year	Met Coal	Non Met Coal	Total Coking	Non-Coking	Total Raw Coal	Lignite
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2005-06	17.123	14.388	31.511	375.528	407.039	30.066
2006-07	17.231	14.866	32.097	398.735	430.832	31.285
2007-08	18.065	16.390	34.455	422.627	457.082	33.980
2008-09	17.301	17.508	34.809	457.948	492.757	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

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

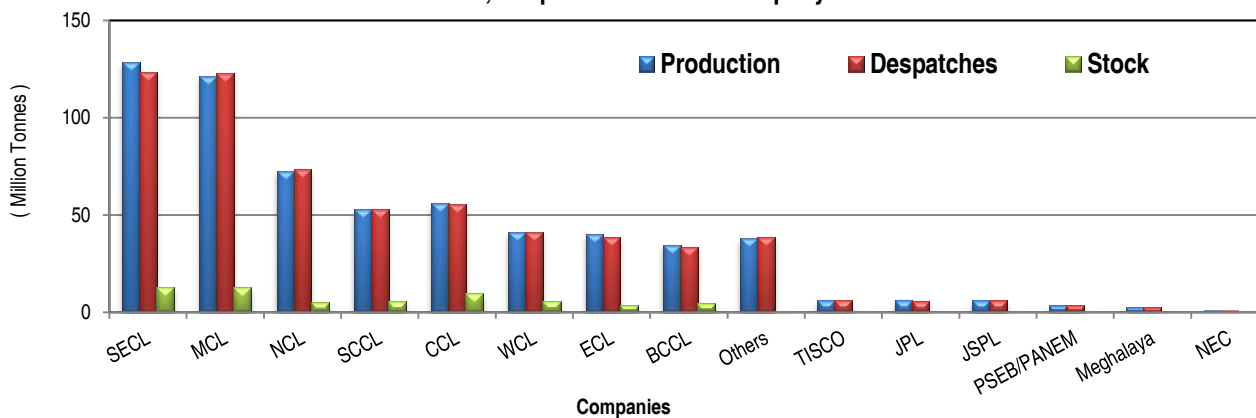
Ch-III.2: Statewise Production of Raw Coal in last Three Years



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



Ch-III.4: Production, Despatches & Stock Companywise in 2014-15



Ch-III.5: Company Share of Production of Raw Coal in 2014-15

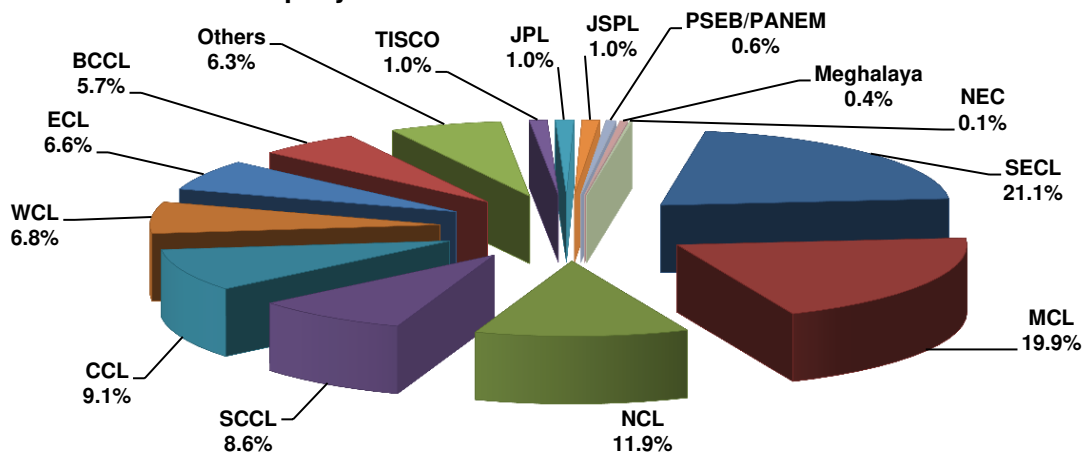


TABLE 3.1: TRENDS OF PRODUCTION OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS

[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)
2005-06	407.039	93.1	6.4	30.228	6.9	-0.6	437.267	5.9
2006-07	430.832	93.2	5.8	31.285	6.8	3.5	462.117	5.7
2007-08	457.082	93.1	6.1	33.980	6.9	8.6	491.062	6.3
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

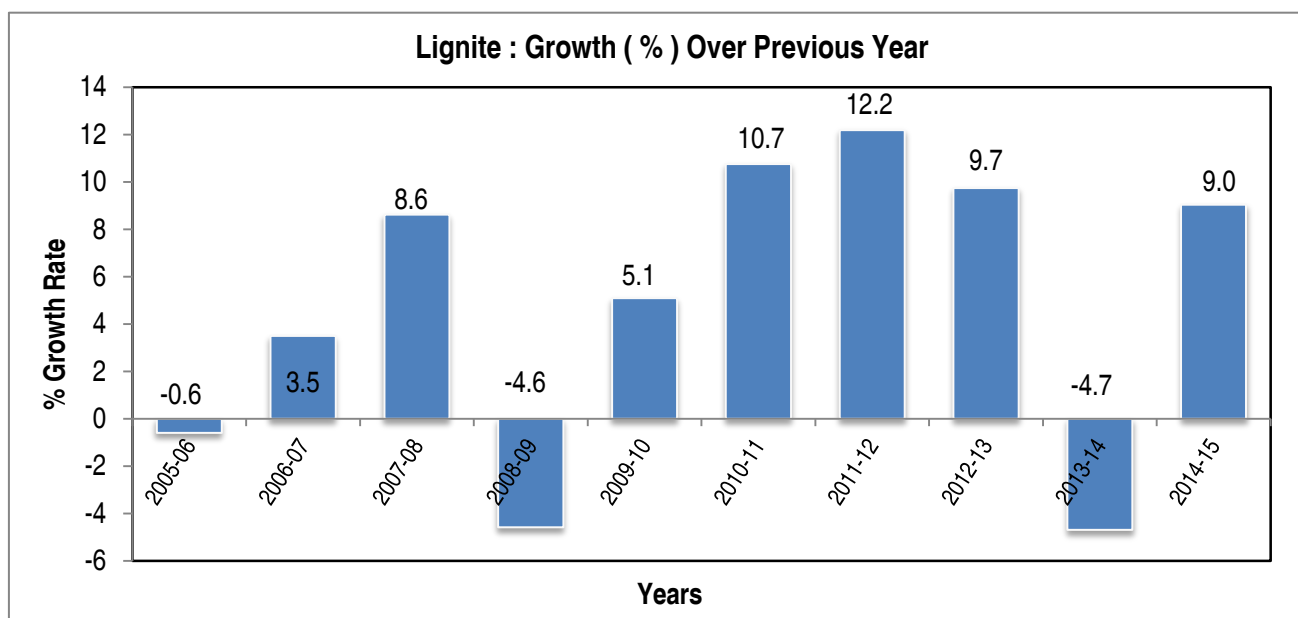
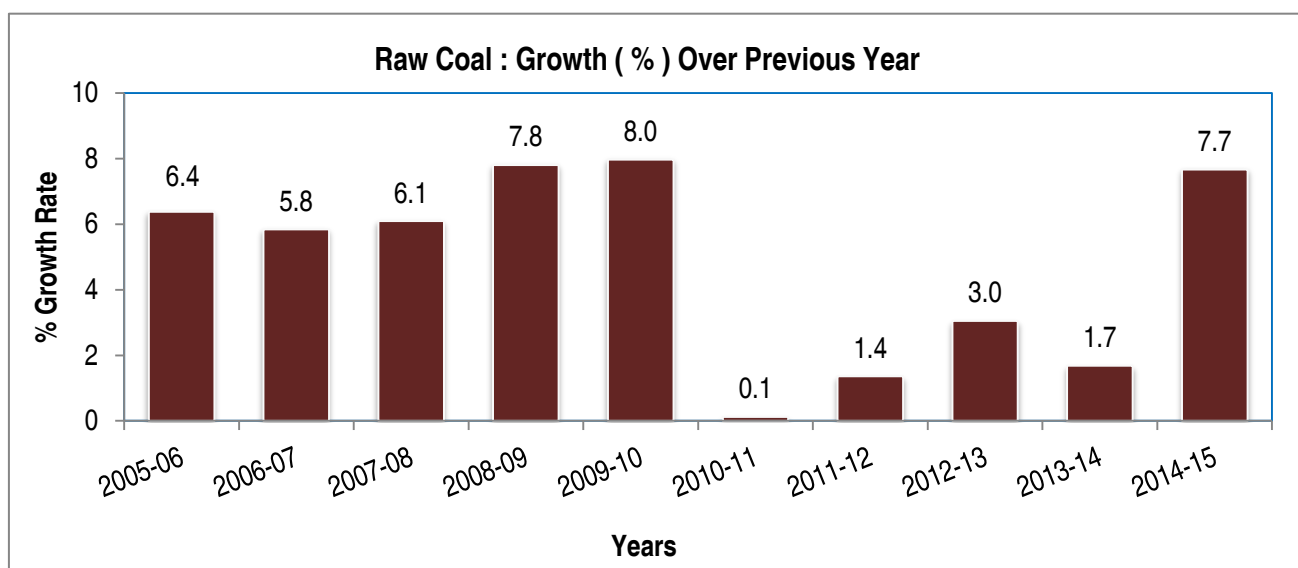


TABLE 3.2: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal			Production	Share in raw coal(%)	Growth over previous year (%)	Production	Growth over previous year (%)
	Production	Share in coking coal(%)	Growth over previous year (%)	Production	Share in coking coal(%)	Growth over previous year (%)	Production	Share in raw coal(%)	Growth over previous year (%)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2005-06	17.123	54.3	-5.9	14.388	45.7	19.6	31.511	7.7	4.3	375.528	92.3	6.6	407.039	6.4
2006-07	17.231	53.7	0.6	14.866	46.3	3.3	32.097	7.5	1.9	398.735	92.5	6.2	430.832	5.8
2007-08	18.065	52.4	4.8	16.390	47.6	10.3	34.455	7.5	7.3	422.627	92.5	6.0	457.082	6.1
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

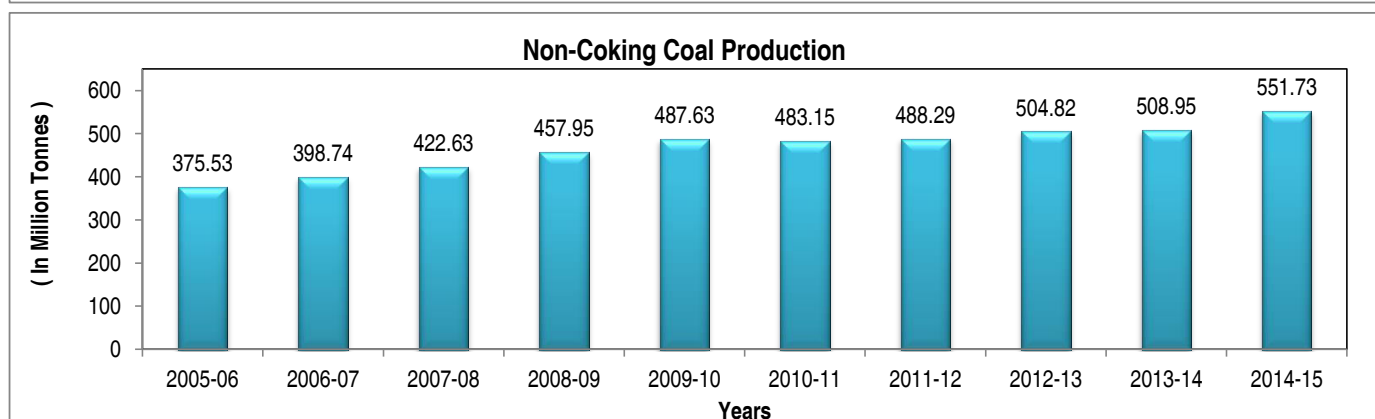
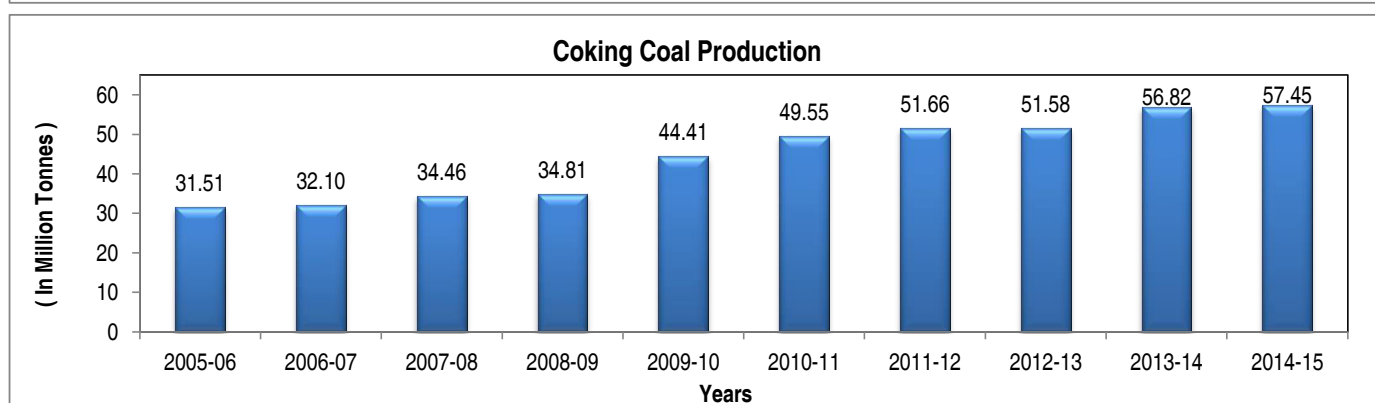
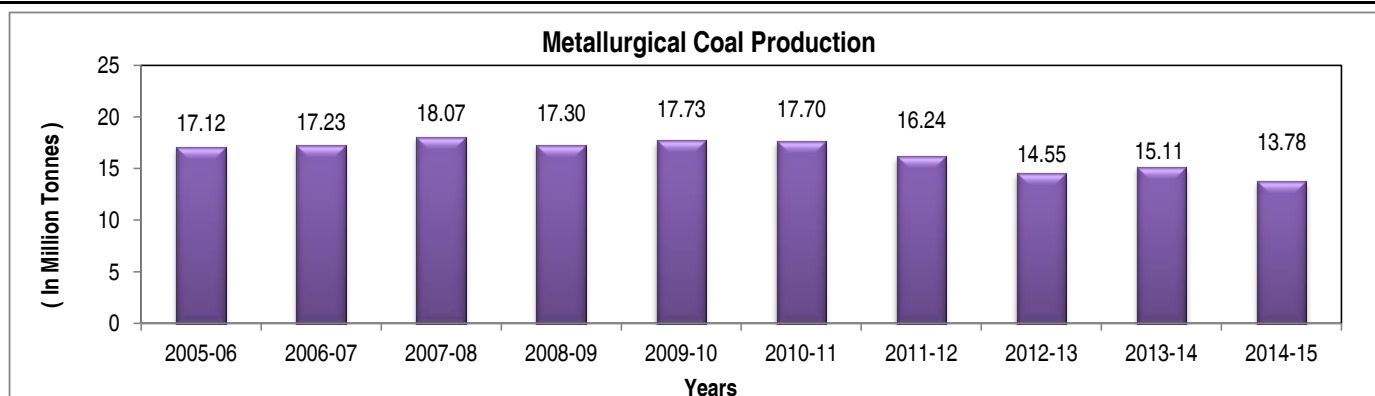
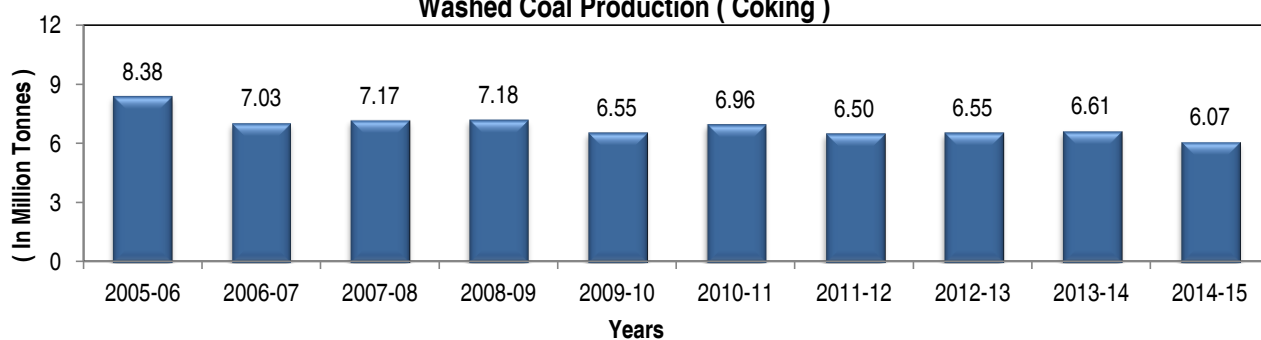
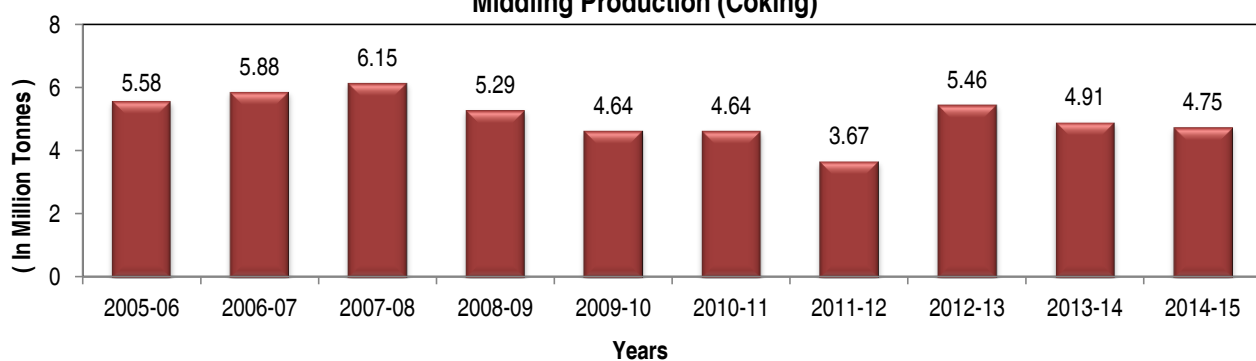
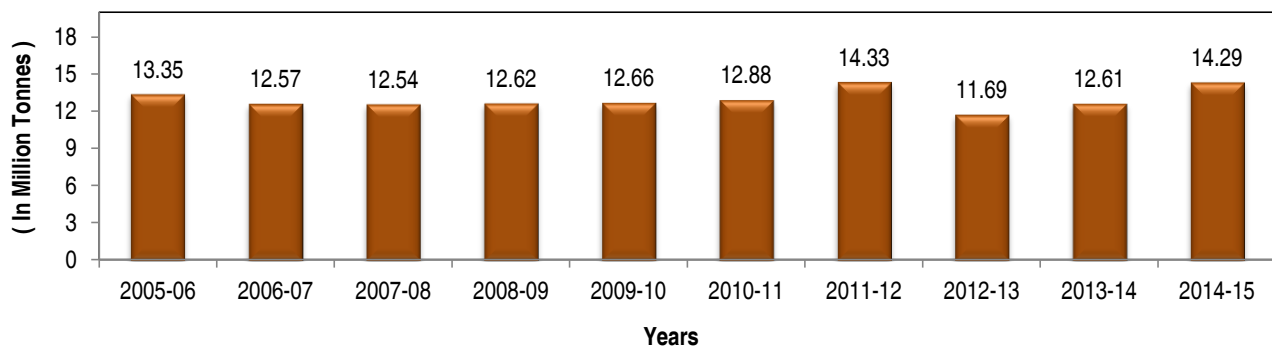


TABLE 3.3: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS

(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)
2005-06	8.376	-4.7	12.555	18.9	5.582	8.0	2.793	74.0	13.347	5.3
2006-07	7.025	-16.1	12.688	1.1	5.876	5.3	2.858	2.3	12.566	-5.9
2007-08	7.171	2.1	12.686	0.0	6.150	4.7	3.276	14.6	12.542	-0.2
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

Washed Coal Production (Coking)**Middling Production (Coking)****Hard Coke Production**

- Note:
1. All the above figures of Washed Coal & Middling relate to coal companies (private & public). Washeries not owned by coal companies are not included here.
 2. Hard Coke data relate 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)
2012-13												
April-June	11.679	5.0	22.6	116.740	6.3	23.1	128.419	6.2	23.1	12.248	3.1	26.4
July-Sept.	10.651	13.0	20.6	100.987	9.2	20.0	111.638	9.5	20.1	9.895	21.7	21.3
Oct-Dec.	12.857	-4.1	24.9	130.789	2.7	25.9	143.646	2.1	25.8	10.440	12.1	22.5
Jan-Mar.	16.395	-7.4	31.8	156.304	-1.5	31.0	172.699	-2.1	31.0	13.870	6.7	29.9
TOTAL	51.582	-0.2	100.0	504.820	3.4	100.0	556.402	3.0	100.0	46.453	9.7	100.0
2013-14												
April-June	13.220	13.2	23.3	113.879	-2.5	22.4	127.099	-1.0	22.5	12.639	3.2	28.5
July-Sept.	12.847	20.6	22.6	106.409	5.4	20.9	119.256	6.8	21.1	8.555	-13.5	19.3
Oct-Dec.	13.599	5.8	23.9	131.127	0.3	25.8	144.726	0.8	25.6	9.691	-7.2	21.9
Jan-Mar.	17.152	4.6	30.2	157.532	0.8	31.0	174.684	1.1	30.9	13.386	-3.5	30.2
TOTAL	56.818	10.2	100.0	508.947	0.8	100.0	565.765	1.7	100.0	44.271	-4.7	100.0
2014-15												
April-June	13.800	4.4	24.0	120.558	5.9	21.9	134.358	5.7	22.1	12.855	1.7	26.6
July-Sept.	12.153	-5.4	21.2	116.915	9.9	21.2	129.068	8.2	21.2	9.476	10.8	19.6
Oct-Dec.	14.399	5.9	25.1	147.586	12.6	26.7	161.985	11.9	26.6	10.420	7.5	21.6
Jan-Mar.	17.094	-0.3	29.8	166.674	5.8	30.2	183.768	5.2	30.2	15.519	15.9	32.2
TOTAL	57.446	1.1	100.0	551.733	8.4	100.0	609.179	7.7	100.0	48.270	9.0	100.0

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

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

**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)
2012-13															
April-June	1.687	7.5	25.8	3.026	-17.4	21.3	1.388	54.4	25.4	0.911	-4.9	23.8	2.920	-19.9	25.0
July-Sept.	1.468	-6.0	22.4	3.271	-4.1	23.1	1.230	36.4	22.5	0.979	12.3	25.6	2.896	-20.7	24.8
Oct-Dec.	1.642	2.9	25.1	3.875	-6.8	27.3	1.381	50.3	25.3	0.931	4.1	24.3	2.908	-18.7	24.9
Jan-Mar.	1.753	-0.9	26.8	4.018	-4.4	28.3	1.465	53.6	26.8	1.004	6.2	26.2	2.970	-14.1	25.4
TOTAL	6.550	0.8	100.0	14.190	-8.1	100.0	5.464	48.7	100.0	3.825	4.3	100.0	11.694	-18.4	100.0
2013-14															
April-June	1.658	-1.7	25.1	4.114	36.0	26.2	1.363	-1.8	27.7	1.025	12.5	26.1	3.057	4.7	24.3
July-Sept.	1.684	14.7	25.5	3.993	22.1	25.4	1.212	-1.5	24.7	0.874	-10.7	22.3	3.223	11.3	25.6
Oct-Dec.	1.630	-0.7	24.6	3.857	-0.5	24.6	1.073	-22.3	21.8	0.936	0.5	23.8	3.152	8.4	25.0
Jan-Mar.	1.642	-6.3	24.8	3.735	-7.0	23.8	1.265	-13.7	25.7	1.091	8.7	27.8	3.174	6.9	25.2
TOTAL	6.614	1.0	100.0	15.699	10.6	100.0	4.913	-10.1	100.0	3.926	2.6	100.0	12.606	7.8	100.0
2014-15															
April-June	1.494	-9.9	24.6	3.699	-10.1	21.4	1.017	-25.4	21.4	1.002	-2.2	26.8	3.462	13.2	24.2
July-Sept.	1.451	-13.8	23.9	4.150	3.9	24.0	1.143	-5.7	24.1	0.977	11.8	26.1	3.600	11.7	25.2
Oct-Dec.	1.540	-5.5	25.4	4.731	22.7	27.4	1.241	15.7	26.1	0.921	-1.6	24.6	3.499	11.0	24.5
Jan-Mar.	1.585	-3.5	26.1	4.714	26.2	27.3	1.349	6.6	28.4	0.842	-22.8	22.5	3.729	17.5	26.1
TOTAL	6.070	-8.2	100.0	17.294	10.2	100.0	4.750	-3.3	100.0	3.742	-4.7	100.0	14.290	13.4	100.0

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

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

(3) All the above figures of Washed Coal & Middling relate to coal companies (private& public). Washeries not owned by coal companies are not included here.

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

TABLE 3.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL, LIGNITE & COAL PRODUCTS IN 2014-15
(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)
2014-15												
Apr-14	4.666	4.0	8.1	40.806	4.7	7.4	45.472	4.6	7.5	3.884	-11.7	8.0
May-14	4.830	9.6	8.4	40.543	4.5	7.3	45.373	5.0	7.4	4.713	4.2	9.8
Jun-14	4.304	-0.6	7.5	39.209	8.6	7.1	43.513	7.7	7.1	4.258	14.5	8.8
1st Quarter	13.800	4.4	24.0	120.558	5.9	21.9	134.358	5.7	22.1	12.855	1.7	26.6
Jul-14	3.903	-11.0	6.8	38.054	7.2	6.9	41.957	5.2	6.9	3.092	22.7	6.4
Aug-14	4.132	-2.1	7.2	39.138	14.6	7.1	43.270	12.7	7.1	3.461	19.6	7.2
Sep-14	4.118	-2.9	7.2	39.723	8.1	7.2	43.841	6.9	7.2	2.923	-6.9	6.1
2nd Quarter	12.153	-5.4	21.2	116.915	9.9	21.2	129.068	8.2	21.2	9.476	10.8	19.6
Oct-14	4.553	9.4	7.9	44.888	16.4	8.1	49.441	15.7	8.1	2.939	2.0	6.1
Nov-14	4.830	8.5	8.4	49.449	14.3	9.0	54.279	13.8	8.9	3.359	16.8	7.0
Dec-14	5.016	0.6	8.7	53.249	8.0	9.7	58.265	7.3	9.6	4.122	4.8	8.5
3rd Quarter	14.399	5.9	25.1	147.586	12.6	26.7	161.985	11.9	26.6	10.420	7.5	21.6
Jan-15	5.183	-5.3	9.0	52.482	1.6	9.5	57.665	0.9	9.5	4.592	3.2	9.5
Feb-15	5.426	7.5	9.4	52.450	11.1	9.5	57.876	10.8	9.5	4.710	18.3	9.8
Mar-15	6.485	-2.2	11.3	61.742	5.2	11.2	68.227	4.5	11.2	6.217	25.5	12.9
4th Quarter	17.094	-0.3	29.8	166.674	5.8	30.2	183.768	5.2	30.2	15.519	15.9	32.2
2014-15	57.446	1.1	100.0	551.733	8.4	100.0	609.179	7.7	100.0	48.270	9.0	100.0

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

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

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TABLE 3.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL, LIGNITE & COAL PRODUCTS IN 2014-15

(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)
2014-15															
Apr-14	0.526	-8.5	8.7	1.034	-14.2	6.0	0.345	-24.8	7.3	0.323	-10.8	8.6	1.126	13.7	7.9
May-14	0.487	-10.8	8.0	1.290	-14.1	7.5	0.326	-27.9	6.9	0.342	11.8	9.1	1.216	16.7	8.5
Jun-14	0.481	-10.4	7.9	1.375	-2.3	8.0	0.346	-23.5	7.3	0.337	-5.6	9.0	1.120	9.3	7.8
1st Quarter	1.494	-9.9	24.6	3.699	-10.1	21.4	1.017	-25.4	21.4	1.002	-2.2	26.8	3.462	13.2	24.2
Jul-14	0.479	-14.5	7.9	1.481	-4.3	8.6	0.385	-13.3	8.1	0.311	-4.0	8.3	1.188	11.0	8.3
Aug-14	0.443	-16.9	7.3	1.304	-2.0	7.5	0.372	-3.4	7.8	0.347	26.6	9.3	1.206	8.8	8.4
Sep-14	0.529	-10.5	8.7	1.365	22.3	7.9	0.386	0.8	8.1	0.319	15.6	8.5	1.206	15.4	8.4
2nd Quarter	1.451	-13.8	23.9	4.150	3.9	24.0	1.143	-5.7	24.1	0.977	11.8	26.1	3.600	11.7	25.2
Oct-14	0.503	-7.7	8.3	1.536	23.0	8.9	0.394	19.8	8.3	0.335	2.1	9.0	1.127	7.8	7.9
Nov-14	0.509	-3.0	8.4	1.478	23.3	8.5	0.419	18.0	8.8	0.276	-10.1	7.4	1.136	10.6	7.9
Dec-14	0.528	-5.7	8.7	1.717	21.9	9.9	0.428	10.0	9.0	0.310	3.0	8.3	1.236	14.4	8.6
3rd Quarter	1.540	-5.5	25.4	4.731	22.7	27.4	1.241	15.7	26.1	0.921	-1.6	24.6	3.499	11.0	24.5
Jan-15	0.554	-1.8	9.1	1.688	40.2	9.8	0.432	-5.5	9.1	0.335	0.6	9.0	1.281	18.9	9.0
Feb-15	0.495	-10.0	8.2	1.458	24.4	8.4	0.391	-3.2	8.2	0.258	-21.1	6.9	1.168	18.0	8.2
Mar-15	0.536	1.5	8.8	1.568	15.4	9.1	0.526	30.2	11.1	0.249	-42.2	6.7	1.280	15.6	9.0
4th Quarter	1.585	-3.5	26.1	4.714	26.2	27.3	1.349	6.6	28.4	0.842	-22.8	22.5	3.729	17.5	26.1
2014-15	6.070	-8.2	100.0	17.294	10.2	100.0	4.750	-3.3	100.0	3.742	-4.7	100.0	14.290	13.4	100.0

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

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

(3) All the above figures of Washed Coal & Middling relate to coal companies (private& public). Washeries not owned by coal companies 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)
2005-06				1.101	0.3	75.3	76.358	18.8	10.3
2006-07				1.050	0.2	-4.6	83.241	19.3	9.0
2007-08	0.079	0.0	0.0	1.101	0.2	4.9	90.172	19.7	8.3
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	0.000	0.0	-100.0	0.664	0.1	9.8	127.095	22.5	7.9
2014-15	0.000	0.0	0.0	0.779	0.1	17.3	134.764	22.1	6.0

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)
2005-06	0.019	0.0	-17.4	85.423	21.0	9.5	55.579	13.7	5.8
2006-07	0.016	0.0	-15.8	88.764	20.6	3.9	59.726	13.9	7.5
2007-08	0.017	0.0	6.3	90.895	19.9	2.4	67.841	14.8	13.6
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

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)
2005-06	36.119	8.9	4.6	5.566	1.4	4.0	70.540	17.3	5.9
2006-07	36.215	8.4	0.3	5.787	1.3	3.8	81.160	18.8	15.1
2007-08	36.403	8.0	0.5	6.541	1.4	11.5	89.482	19.6	10.3
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	105.476	19.9	7.2
2010-11	39.336	7.4	-4.1	6.974	1.3	17.3	102.565	19.3	-2.8
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

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

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

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TABLE 3.6 : 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)
2005-06	36.138	8.9	2.4	15.721	3.9	-6.4	24.475	6.0	3.8
2006-07	37.707	8.8	4.3	12.228	2.8	-22.2	24.938	5.8	1.9
2007-08	40.604	8.9	7.7	11.426	2.5	-6.6	22.521	4.9	-9.7
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	4.4	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

Year	ALL INDIA	
	Quantity	Growth (%)
(41)	(42)	(43)
2005-06	407.039	6.4
2006-07	430.832	5.8
2007-08	457.082	6.1
2008-09	492.757	7.8
2009-10	531.109	7.8
2010-11	532.694	0.3
2011-12	539.950	1.4
2012-13	556.402	3.0
2013-14	565.765	1.7
2014-15	609.179	7.7

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)
2005-06	20.435	68.0	-5.2	8.944	29.7	8.8	0.687	2.3	25.4
2006-07	21.014	67.2	2.8	9.808	31.4	9.7	0.463	1.5	-32.6
2007-08	21.586	63.5	2.7	11.788	34.7	20.2	0.606	1.8	30.9
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

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
2005-06	30.066	-0.9
2006-07	31.285	4.1
2007-08	33.980	8.6
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

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

[Quantity in Million Tonnes]

Company	2012-13			2013-14			2014-15		
	Coking	Non-coking	Total	Coking	Non-coking	Total	Coking	Non-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.043	33.858	33.901	0.048	35.999	36.047	0.034	39.972	40.006
BCCL	26.970	4.241	31.211	30.055	2.557	32.612	30.770	3.742	34.512
CCL	16.181	31.880	48.061	18.441	31.581	50.022	19.326	36.326	55.652
NCL		70.021	70.021		68.639	68.639		72.484	72.484
WCL	0.330	41.957	42.287	0.249	39.480	39.729	0.310	40.837	41.147
SECL	0.157	118.062	118.219	0.125	124.136	124.261	0.126	128.149	128.275
MCL		107.895	107.895		110.439	110.439		121.379	121.379
NEC		0.605	0.605		0.664	0.664		0.779	0.779
CIL	43.681	408.519	452.200	48.918	413.495	462.413	50.566	443.668	494.234
SCCL		53.190	53.190		50.469	50.469		52.536	52.536
JKML		0.019	0.019		0.019	0.019		0.013	0.013
JSMDC			0.000			0.000		0.415	0.415
DVC		0.203	0.203		0.054	0.054		0.066	0.066
DVC EMTA		1.836	1.836		1.519	1.519		1.001	1.001
IISCO	0.560	0.155	0.715	0.541	0.081	0.622	0.420	0.206	0.626
APMDTCL		0.073	0.073		0.000	0.000		0.000	0.000
SAIL	0.033	0.069	0.102	0.044	0.025	0.069	0.024	0.001	0.025
WBPDC		3.266	3.266		2.606	2.606		6.221	6.221
WBMDTCL		0.348	0.348		0.726	0.726		1.041	1.041
PSEB/PANEM		6.926	6.926		5.879	5.879		3.433	3.433
KECML		2.506	2.506		2.502	2.502		2.478	2.478
RRVUNL		0.293	0.293		1.197	1.197		3.443	3.443
MPSMCL					0.005	0.005		1.500	1.500
Total Public	44.274	477.403	521.677	49.503	478.577	528.080	51.010	516.022	567.032
TISCO	7.214	0.081	7.295	6.905	0.067	6.972	6.027	0.016	6.043
Meghalaya		5.640	5.640		5.732	5.732		2.524	2.524
ICML		3.129	3.129		2.708	2.708		3.449	3.449
JSPL		5.999	5.999		5.999	5.999		5.989	5.989
HIL		2.237	2.237		2.478	2.478		2.248	2.248
MIEL		0.795	0.795		0.919	0.919		1.000	1.000
BLA		0.300	0.300		0.300	0.300		0.300	0.300
PIL		1.000	1.000		1.000	1.000		1.000	1.000
JNL		0.480	0.480		0.446	0.446		0.703	0.703
JPL		5.250	5.250		6.226	6.226		6.248	6.248
SIL		0.248	0.248		0.148	0.148		0.196	0.196
ESCL	0.094	0.005	0.099	0.410	0.051	0.461	0.409	0.024	0.433
UML		0.560	0.560		0.762	0.762		0.790	0.790
SEML		0.976	0.976		1.165	1.165		1.189	1.189
BSIL		0.062	0.062		0.081	0.081		0.031	0.031
TUML/SVSL		0.341	0.341		0.317	0.317		0.198	0.198
SPL		0.225	0.225		1.695	1.695		9.406	9.406
SOVA		0.089	0.089		0.276	0.276		0.400	0.400
GVK			0.000		0.000	0.000		0.000	0.000
Total Private	7.308	27.417	34.725	7.315	30.370	37.685	6.436	35.711	42.147
ALL INDIA	51.582	504.820	556.402	56.818	508.947	565.765	57.446	551.733	609.179
LIGNITE									
NLC			26.223			26.609			26.543
GMDCL			10.905			8.398			8.713
GIPCL			3.326			3.006			3.404
RSMMML			1.387			1.428			1.405
GHCL			0.297			0.190			0.200
VSLPPL			0.815			0.890			1.005
BLMCL			3.500			3.750			7.000
ALL INDIA			46.453			44.271			48.270
COAL & LIGNITE			602.855			610.036			657.449

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

(Quantity in Million Tonnes)

State	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)
COKING					
Chhattisgarh	0.163	0.189	0.157	0.125	0.126
Jharkhand	48.945	51.108	51.065	55.088	56.430
Madhya Pradesh	0.403	0.319	0.330	0.249	0.310
West Bengal	0.036	0.044	0.030	1.356	0.580
Total Coking	49.547	51.660	51.582	56.818	57.446
NON-COKING					
Arunachal Pradesh	0.299	0.221	0.073	0.000	0.000
Assam	1.101	0.602	0.605	0.664	0.779
Chhattisgarh	113.661	113.769	117.673	126.970	134.638
Jammu & Kashmir	0.024	0.020	0.019	0.019	0.013
Jharkhand	60.004	58.458	60.209	58.003	67.713
Madhya Pradesh	70.701	70.804	75.618	75.341	87.299
Maharashtra	39.336	39.159	39.134	37.223	38.257
Meghalaya	6.974	7.206	5.640	5.732	2.524
Odisha	102.565	105.476	110.132	112.917	123.627
Telangana	51.333	52.211	53.190	50.469	52.536
Uttar Pradesh	15.526	16.178	16.090	14.721	14.957
West Bengal	21.623	24.186	26.437	26.888	29.390
Total Non-Coking	483.147	488.290	504.820	508.947	551.733

TABLE 3.10: STATEWISE PRODUCTION OF LIGNITE IN LAST FIVE YEARS

(Quantity in Million Tonnes)

State	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)
Gujarat	13.064	14.779	14.528	11.588	12.317
Rajasthan	1.525	2.963	7.081	7.627	10.763
Tamilnadu	23.144	24.590	24.844	25.056	25.190
TOTAL	37.733	42.332	46.453	44.271	48.270

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

[Quantity in Million Tonnes]

STATES	COAL COMPANY	2012-2013			2013-2014			2014-2015		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Arunachal Pradesh	APMDTCL		0.073	0.073		0.000	0.000		0	0
Assam	NEC		0.605	0.605		0.664	0.664		0.779	0.779
Chhattisgarh	SECL	0.157	102.880	103.037	0.125	110.018	110.143	0.126	115.066	115.192
Chhattisgarh	JSPL		5.999	5.999		5.999	5.999		5.989	5.989
Chhattisgarh	MIEL		0.795	0.795		0.919	0.919		1.000	1.000
Chhattisgarh	PIL		1.000	1.000		1.000	1.000		1.000	1.000
Chhattisgarh	JPL		5.250	5.250		6.226	6.226		6.248	6.248
Chhattisgarh	JNL		0.480	0.480		0.446	0.446		0.703	0.703
Chhattisgarh	SEML		0.976	0.976		1.165	1.165		1.189	1.189
Chhattisgarh	CML			0			0			0
Chhattisgarh	RRVUNL		0.293	0.293		1.197	1.197		3.443	3.443
Chhattisgarh	TOTAL	0.157	117.673	117.830	0.125	126.970	127.095	0.126	134.638	134.764
Jammu & Kashmir	JKML		0.019	0.019		0.019	0.019		0.013	0.013
Jharkhand	ECL	0.033	16.290	16.323	0.038	17.133	17.171	0.030	19.372	19.402
Jharkhand	BCCL	26.950	4.195	31.145	28.709	2.356	31.065	30.194	3.270	33.464
Jharkhand	CCL	16.181	31.880	48.061	18.441	31.581	50.022	19.326	36.326	55.652
Jharkhand	JSMDCL		0	0		0	0		0.415	0.415
Jharkhand	DVC		0.203	0.203		0.054	0.054		0.066	0.066
Jharkhand	IISCOCJ	0.560		0.560	0.541		0.541	0.420		0.420
Jharkhand	TISCO	7.214	0.081	7.295	6.905	0.067	6.972	6.027	0.016	6.043
Jharkhand	PSEB/PANEM		6.926	6.926		5.879	5.879		3.433	3.433
Jharkhand	UML		0.560	0.560		0.762	0.762		0.790	0.790
Jharkhand	ESCL	0.094	0.005	0.099	0.410	0.051	0.461	0.409	0.024	0.433
Jharkhand	SAIL	0.033	0.069	0.102	0.044	0.025	0.069	0.024	0.001	0.025
Jharkhand	WBPDCCL					0.095	0.095		4.000	4.000
Jharkhand	GVK		0.000	0.000		0.000	0.000		0	0
Jharkhand	TOTAL	51.065	60.209	111.274	55.088	58.003	113.091	56.430	67.713	124.143
Madhya Pradesh	NCL		53.931	53.931		53.918	53.918		57.527	57.527
Madhya Pradesh	WCL	0.330	5.980	6.310	0.249	5.305	5.554	0.310	5.483	5.793
Madhya Pradesh	SECL		15.182	15.182		14.118	14.118		13.083	13.083
Madhya Pradesh	BLA		0.300	0.300		0.300	0.300		0.300	0.300
Madhya Pradesh	SPL		0.225	0.225		1.695	1.695		9.406	9.406
Madhya Pradesh	MPSMCL					0.005	0.005		1.500	1.500
Madhya Pradesh	TOTAL	0.330	75.618	75.948	0.249	75.341	75.590	0.310	87.299	87.609
Maharashtra	WCL		35.977	35.977		34.175	34.175		35.354	35.354
Maharashtra	SIL		0.248	0.248		0.148	0.148		0.196	0.196
Maharashtra	BSIL		0.062	0.062		0.081	0.081		0.031	0.031
Maharashtra	KECML		2.506	2.506		2.502	2.502		2.478	2.478
Maharashtra	TUML/SVSL		0.341	0.341		0.317	0.317		0.198	0.198
Maharashtra	TOTAL	0.000	39.134	39.134	0.000	37.223	37.223	0	38.257	38.257
Meghalaya	MEG		5.640	5.640		5.732	5.732		2.524	2.524
Odisha	MCL		107.895	107.895		110.439	110.439		121.379	121.379
Odisha	HIL		2.237	2.237		2.478	2.478		2.248	2.248
Odisha	TOTAL		110.132	110.132		112.917	112.917		123.627	123.627
Telangana	SCCL		53.190	53.190		50.469	50.469		52.536	52.536
Uttar Pradesh	NCL		16.090	16.090		14.721	14.721		14.957	14.957
West Bengal	ECL	0.010	17.568	17.578	0.010	18.866	18.876	0.004	20.600	20.604
West Bengal	BCCL	0.020	0.046	0.066	1.346	0.201	1.547	0.576	0.472	1.048
West Bengal	IISCOR		0.155	0.155		0.081	0.081		0.206	0.206
West Bengal	ICML		3.129	3.129		2.708	2.708		3.449	3.449
West Bengal	WBPDCCL	0.000	3.266	3.266		2.511	2.511		2.221	2.221
West Bengal	DVC EMTA		1.836	1.836		1.519	1.519		1.001	1.001
West Bengal	WBMDTCL		0.348	0.348		0.726	0.726		1.041	1.041
West Bengal	SOVA		0.089	0.089		0.276	0.276		0.400	0.400
West Bengal	TOTAL	0.030	26.437	26.467	1.356	26.888	28.244	0.580	29.390	29.970
Total Public		44.274	477.403	521.677	49.503	478.577	528.080	51.010	516.022	567.032
Total Private	TOTAL	7.308	27.417	34.725	7.315	30.370	37.685	6.436	35.711	42.147
All India		51.582	504.820	556.402	56.818	508.947	565.765	57.446	551.733	609.179

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)
2012-13	BCCL	1329	1291					
	CCL	1239	1034					
	WCL	144	102					
	DCC				23	25	36	157
	SAIL	448	263	7411				
	RINL			2415				
	TISCO	3381	2763	1868				
	ESCL	9	11					
	TOTAL	6550	5464	11694	23	25	36	157
2013-14	BCCL	953	1261					
	CCL	1358	1085					
	WCL	120	89					
	DCC				26	25	45	204
	SAIL			7724				
	IISCO	408	266	529				
	RINL			2427				
	TISCO	3656	2165	1926				
ESCL	119	47						
	TOTAL	6614	4913	12606	26	25	45	204
2014-15	BCCL	387	1251					
	CCL	1648	1156					
	WCL	73	71					
	DCC				22	22	32	137
	SAIL			8259				
	IISCO	517	395	790				
	RINL			2362				
	TISCO	3267	1801	2879				
ESCL	178	76						
	TOTAL	6070	4750	14290	22	22	32	137

Coke production of RINL is included in this table.

TABLE 3.13: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2014-15

(Quantity in Million Tonnes)

Companies	PRODUCTION OF COKING COAL										Total Coking
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	SLV1	Met.Coal	Non Met	
ECL			0.004			0.030			0.004	0.030	0.034
BCCL	0.050	0.456		0.115	1.169	7.659	21.321		2.278	28.492	30.770
CCL					0.508	3.481	15.337		4.312	15.014	19.326
NCL											0.000
WCL					0.310				0.310	0.000	0.310
SECL			0.126							0.125	0.126
MCL											0.000
NEC											0.000
CIL	0.050	0.456	0.130	0.115	1.987	11.170	36.658	0.000	6.904	43.661	50.566
SCCL											0.000
JKML											0.000
DVC											0.000
IISCO						0.092	0.328		0.420	0.000	0.420
SAIL							0.024		0.024	0.000	0.024
JSMDCL											0.000
DVCEMTA											0.000
APMDTCL											0.000
RRVUNL											0.000
WBMDTCL											0.000
WBPDC											0.000
PSEB-PANEM											0.000
KECML											0.000
MPSMCL											0.000
PUBLIC	0.050	0.456	0.130	0.115	1.987	11.262	37.010	0.000	7.348	43.661	51.010
TISCO					0.241	0.909	4.877		6.027	0.000	6.027
MEG											0.000
ICML											0.000
JSPL											0.000
HIL											0.000
MIEL											0.000
BLA											0.000
PIL											0.000
JNL											0.000
JPL											0.000
SIL											0.000
ESCL						0.164	0.245		0.409	0.000	0.409
UML											0.000
SEML											0.000
BSIL											0.000
TUML-SVSL											0.000
SPL											0.000
SOVA											0.000
PRIVATE	0.000	0.000	0.000	0.000	0.241	1.073	5.122	0.000	6.436	0.000	6.436
India (14-15)	0.050	0.456	0.130	0.115	2.228	12.335	42.132	0.000	13.784	43.661	57.446

Contd....

TABLE 3.13: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2014-15

(Quantity in Million Tonnes)

Companies	PRODUCTION OF NON-COKING COAL																		Total N-coking	Total Coal
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	UNG		
ECL	0.090	1.478	14.137	4.772	1.495	2.087	0.130						15.783						39.972	40.006
BCCL	0.038	0.220	0.051	0.044	2.068	1.219	0.047	0.055											3.742	34.512
CCL			0.051	1.753	0.759	0.710	4.725	13.678	8.271	6.379									36.326	55.652
NCL				0.914	0.202	17.505	9.993		43.109				0.761						72.484	72.484
WCL			0.009	0.408	1.359	2.941	8.663	25.694	1.763										40.837	41.147
SECL		3.771	3.718	5.659	8.301	3.896	1.243	0.807	0.846	89.903	10.005								128.149	128.275
MCL				0.100			0.149	1.027	0.410	8.528	63.003	48.162							121.379	121.379
NEC	0.216	0.437		0.126															0.779	0.779
CIL	0.216	0.565	5.469	18.092	13.650	14.184	28.358	24.950	41.261	54.399	104.810	73.008	63.945	0.761	0.000	0.000	0.000	0.000	443.668	494.234
SCCL					0.740		7.051	1.458	10.229	1.543	15.875	0.347	12.136	0.090	1.784	0.813	0.470		52.536	52.536
JKML																	0.013		0.013	0.013
DVC			0.066																0.066	0.066
IISCO				0.015	0.191														0.206	0.626
SAIL												0.001							0.001	0.025
JSMDCCL												0.415							0.415	0.415
DVCEMTA					0.300	0.701													1.001	1.001
APMDTCL																			0.000	0.000
RRVUNL											3.443								3.443	3.443
WBMDTCL			0.657	0.384															1.041	1.041
WBPDCCL			0.210		6.011														6.221	6.221
PSEB-PANEM					1.202	1.716	0.515												3.433	3.433
KECML							2.478												2.478	2.478
MPSMCL											1.500								1.500	1.500
PUBLIC	0.216	0.565	5.469	19.025	14.789	21.888	37.826	29.401	51.490	55.942	125.628	73.771	76.081	0.851	1.784	0.813	0.483	0.000	516.022	567.032
TISCO					0.002		0.007					0.007							0.016	6.043
MEG	2.524																		2.524	2.524
ICML											3.449								3.449	3.449
JSPL												1.374		2.022		2.593			5.989	5.989
HIL												1.506	0.742						2.248	2.248
MIEL							0.500					0.500							1.000	1.000
BLA						0.012	0.158		0.130										0.300	0.300
PIL								1.000											1.000	1.000
JNL								0.075	0.361				0.267						0.703	0.703
JPL												1.331	3.103		1.814				6.248	6.248
SIL							0.196												0.196	0.196
ESCL																		0.024	0.024	0.433
UML					0.790														0.790	0.790
SEML												0.649	0.358		0.182				1.189	1.189
BSIL												0.031							0.031	0.031
TUML-SVSL											0.198								0.198	0.198
SPL									7.978	1.428									9.406	9.406
SOVA							0.261	0.139											0.400	0.400
PRIVATE	2.524	0.000	0.000	0.000	0.000	0.792	0.012	1.122	1.214	8.469	5.075	5.398	0.267	4.203	2.022	1.814	2.775	0.024	35.711	42.147
India (14-15)	2.740	0.565	5.469	19.025	14.789	22.680	37.838	30.523	52.704	64.411	130.703	79.169	76.348	5.054	3.806	2.627	3.258	0.024	551.733	609.179

TABLE 3.14: GRADEWISE PRODUCTION OF COKING COAL AND NON COKING COAL BY STATES IN 2014-15

(Quantity in Million Tonnes)

Grade	Arunachal Pradesh	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Madhya Pradesh	Maharashtra	Meghalaya	Odisha	Telangana	Uttar Pradesh	West Bengal	India (2014-15)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(12)	(13)
Steel-I					0.050								0.050
Steel-II					0.456								0.456
SC			0.126									0.004	0.130
Wash-I					0.115								0.115
Wash-II					1.566	0.310						0.352	2.228
Wash-III					12.111							0.224	12.335
Wash-IV					42.132								42.132
SLV1													0.000
Met.Coal					13.118	0.310						0.356	13.784
Non Met	0.000	0.000	0.126	0.000	43.312	0.000	0.000	0.000	0.000	0.000	0.000	0.224	43.662
Total Coking	0.000	0.000	0.126	0.000	56.430	0.310	0.000	0.000	0.000	0.000	0.000	0.580	57.446
G1		0.216						2.524					2.740
G2		0.437			0.038							0.090	0.565
G3			1.836		0.446	1.935						1.252	5.469
G4		0.126	2.225		0.285	1.502						14.887	19.025
G5			4.406		3.225	2.298	0.195		0.100	0.740	0.082	3.743	14.789
G6			3.030		9.651	5.960	0.670				0.202	3.167	22.680
G7			0.765		4.031	22.723	0.866			7.051		2.402	37.838
G8			1.743		5.424	3.882	9.873		0.149	1.458	7.733	0.261	30.523
G9			1.882		13.733	1.033	24.661		1.027	10.229		0.139	52.704
G10			1.207		8.271	44.277	1.763		0.410	1.543	6.940		64.411
G11			93.346		6.379	2.928	0.198		8.528	15.875		3.449	130.703
G12			13.859		0.423		0.031		64.509	0.347			79.169
G13			0.267		15.783				48.162	12.136			76.348
G14			3.461			0.761			0.742	0.090			5.054
G15			2.022							1.784			3.806
G16			1.814							0.813			2.627
G17			2.775	0.013						0.470			3.258
UNG					0.024								0.024
Total Non-Coking	0.000	0.779	134.638	0.013	67.713	87.299	38.257	2.524	123.627	52.536	14.957	29.390	551.733
India (14-15)	0.000	0.779	134.764	0.013	124.143	87.609	38.257	2.524	123.627	52.536	14.957	29.970	609.179

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	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	Grade	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(New)	(10)	(11)	(12)
PRODUCTION OF COKING COAL	Steel-I	0.139	0.127	0.083	0.075	0.109	0.263	0.083	Steel-I	0.072	0.061	0.050
	Steel-II	0.999	0.559	0.282	0.960	1.380	1.558	1.135	Steel-II	1.37	0.604	0.456
	SC-1	0.192	0.182	0.181	0.169	0.167	0.17	0.199	SC-1	0.167	0.135	0.130
	Wash-I	0.249	0.291	0.471	0.318	0.297	0.235	0.246	Wash-I	0.26	0.145	0.115
	Wash-II	4.641	3.171	2.085	1.717	1.868	1.757	1.815	Wash-II	1.711	2.042	2.228
	Wash-III	6.039	6.737	7.759	8.090	10.068	10.165	13.147	Wash-III	12.346	12.616	12.335
	Wash-IV	19.203	20.999	23.568	23.472	30.524	35.399	35.035	Wash-IV	35.656	40.962	42.132
	SLV1	0.050	0.031	0.026	0.008	0	0	0	SLV1	0	0.253	0.000
	Met.Coal	17.123	17.231	18.065	17.301	17.731	17.695	13.784	Met.Coal	14.547	15.114	13.784
	Non Met	14.389	14.866	16.390	17.508	26.682	31.852	37.876	Non Met	37.035	41.704	43.662
Total Coking		31.512	32.097	34.455	34.809	44.413	49.547	51.660	Total Coking	51.582	56.818	57.446
PRODUCTION OF NON - COKING COAL	A	4.599	4.958	4.901	10.179	10.692	12.182	14.942	G1	5.899	6.13	2.740
	B	21.723	20.815	21.959	24.854	25.827	24.023	59.312	G2	0.48	0.416	0.565
	C	50.720	53.059	55.526	51.058	56.147	55.581	28.918	G3	5.622	5.374	5.469
	D	41.881	42.439	45.721	48.006	50.518	45.710	77.109	G4	17.619	21.526	19.025
	E	96.175	98.079	102.277	112.993	117.855	121.227	78.257	G5	15.162	13.236	14.789
	F	148.170	165.673	178.877	201.286	219.097	212.693	205.194	G6	22.708	17.714	22.680
	G								G7	34.842	35.837	37.838
									G8	24.189	28.273	30.523
									G9	66.817	57.003	52.704
									G10	59.118	55.405	64.411
									G11	120.369	126.328	130.703
									G12	36.932	56.372	79.169
									G13	81.09	68.984	76.348
	G14	3.168	4.556	5.054								
	G15	3.968	3.858	3.806								
	G16	1.63	3.093	2.627								
	G17	5.207	4.786	3.258								
Ungraded	5.700	5.979	6.776	0.240	0.394	1.119	10.846			0.056	0.024	
Total Non-Coking		375.528	398.735	422.627	457.948	487.629	483.147	488.290		504.820	508.947	551.733
TOTAL COAL		407.040	430.832	457.082	492.757	532.042	532.694	539.950		556.402	565.765	609.179

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

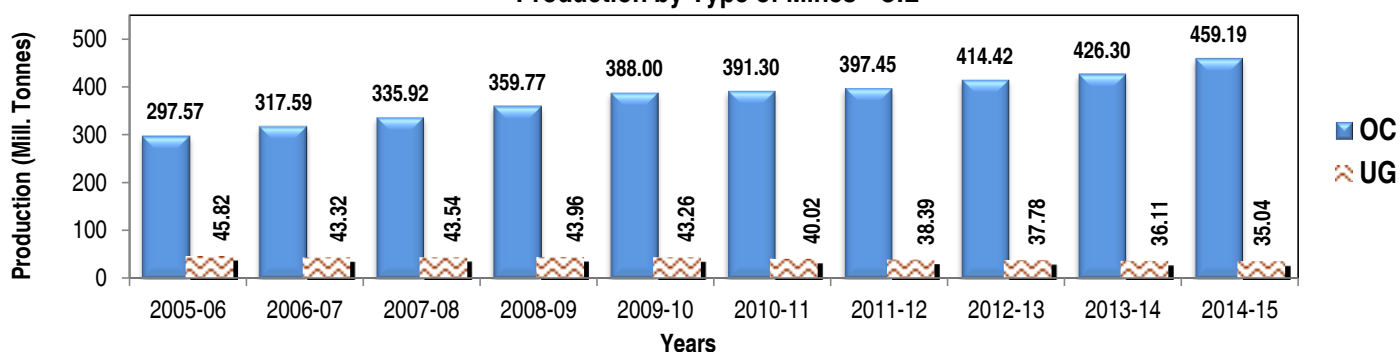
(2) For definition of grade please see page I.2

TABLE 3.16: TRENDS OF PRODUCTION OF RAW COAL FROM OPENCAST AND UNDERGROUND MINES IN LAST TEN YEARS

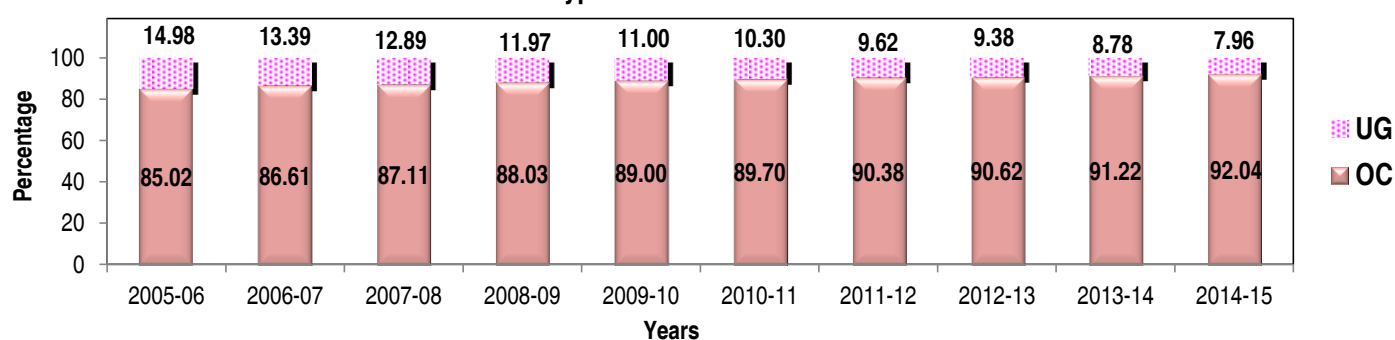
(Quantity in Million Tonnes)

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)
2005-06	297.572	23.427	346.074	85.02	8.06	45.817	12.711	60.965	14.98	-2.22	407.039	6.38
2006-07	317.591	25.831	373.134	86.61	7.82	43.322	11.876	57.698	13.39	-5.36	430.832	5.85
2007-08	335.918	27.959	398.182	87.11	6.71	43.541	12.645	58.900	12.89	2.08	457.082	6.09
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

Production by Type of Mines - CIL



Percentage Distribution of Production by Type of Mines - INDIA



Production by Type of Mines - SCCL

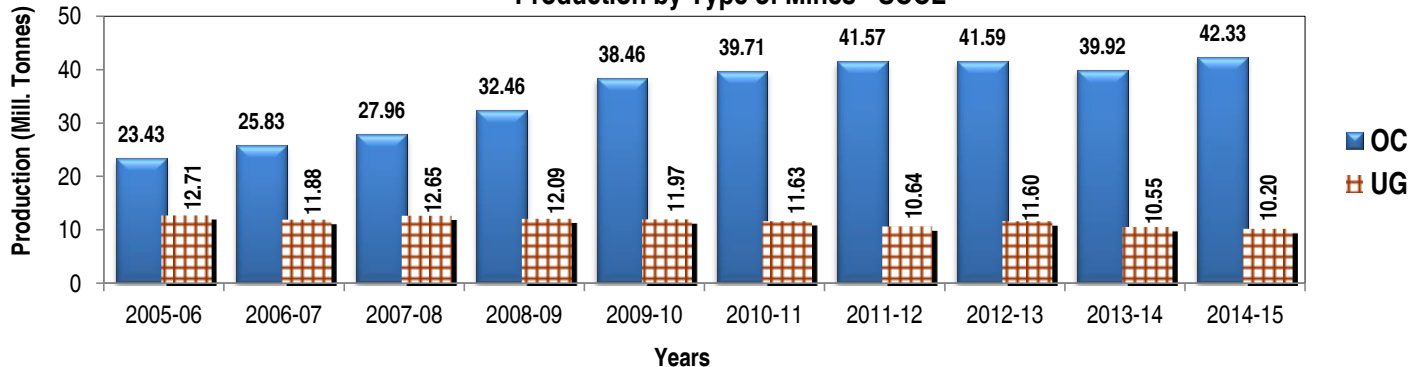


TABLE 3.17 : COMPANY WISE PRODUCTION OF RAW COAL FROM OPENCAST AND UNDER GROUND MINES IN TWO YEARS

(Quantity in Million Tonnes)

COMPANIES	Y E A R 2013 - 2014						Y E A R 2014 - 2015					
	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	29.18	80.94	7.85	6.87	19.06	0.32	32.71	81.77	12.13	7.29	18.23	6.13
BCCL	29.91	91.71	6.59	2.70	8.29	-14.24	32.48	94.12	8.61	2.03	5.88	-24.96
CCL	49.07	98.09	4.31	0.96	1.91	-6.64	54.81	98.49	11.71	0.84	1.51	-12.03
NCL	68.64	100.00	-1.97				72.48	100.00	5.60			
WCL	32.00	80.54	-6.13	7.73	19.46	-5.73	33.58	81.61	4.94	7.57	18.39	-2.12
SECL	107.85	86.79	6.41	16.42	13.21	-2.69	112.24	87.50	4.07	16.04	12.50	-2.31
MCL	109.01	98.70	2.63	1.43	1.30	-14.65	120.10	98.95	10.18	1.28	1.05	-10.96
NEC	0.66	99.55	9.80	0.00	0.45	0.00	0.78	99.61	17.40	0.00	0.39	0.00
CIL	426.30	92.19	2.87	36.11	7.81	-4.40	459.19	92.91	7.72	35.04	7.09	-2.96
SCCL	39.92	79.10	-4.02	10.55	20.90	-9.05	42.33	80.58	6.04	10.20	19.42	-3.27
JKML				0.02	100.00	0.00				0.01	100.00	
DVC	0.05	100.00	-73.40				0.07	100.00	22.22			
IISCO	0.43	69.61	-28.31	0.19	30.39	70.27	0.36	57.51	-16.86	0.27	42.49	40.74
SAIL	0.07	100.00	-32.35				0.03	100.00	-63.77			
JSMDC							0.42	100.00				
DVCEMTA	1.52	100.00	-17.27				1.00	100.00	-34.10			
APMDTCL							0.00					
RRVUNL	1.20	100.00	308.53				3.44	100.00	187.64			
WBMDTCL	0.73	100.00	108.62				1.04	100.00	43.39			
WBPDC	2.61	100.00	-20.21				6.22	100.00	138.72			
PSEB-PANEM	5.88	100.00	-15.12				3.43	100.00	-41.61			
KECML	2.50	100.00	-0.16				2.48	100.00	-0.96			
MPSMCL	0.01	100.00	0.00				1.50	100.00	29900			
PUBLIC	481.21	91.12	1.91	46.87	8.88	-5.32	521.51	91.97	8.37	45.53	8.03	-2.87
TISCO	5.60	80.38	-5.31	1.37	19.62	-0.65	4.72	78.02	-15.86	1.33	21.98	-2.92
Meghalaya	5.73	100.00	1.63				2.52	100.00	-55.97			
ICML	2.71	100.00	-13.45				3.45	100.00	27.36			
JSPL	6.00	100.00	0.00				5.99	100.00	-0.17			
HIL	2.48	100.00	10.77				2.25	100.00	-9.28			
MIEL				0.92	100.00	15.60				1.00	100.00	
BLA	0.30	100.00	0.00				0.30	100.00	0.00			
PIL	1.00	100.00	0.00				1.00	100.00	0.00			
JNL	0.17	37.22	-17.00	0.28	62.78	0.00	0.34	48.65	106.02	0.36	51.35	28.93
JPL	6.23	100.00	18.59				6.25	100.00	0.35			
SIL				0.15	100.00	-40.32				0.20	100.00	
ESCL	0.40	85.90	312.50	0.07	14.10	2066.67	0.33	76.44	-16.41	0.10	23.56	56.92
UML	0.76	100.00	36.07				0.79	100.00	3.67			
SEML	1.17	100.00	19.36				1.19	100.00	2.06			
BSIL	0.08	100.00	30.65				0.03	100.00	-61.73			
TUML-SVSL	0.32	100.00	-7.04				0.20	100.00	-37.54			
SPL	1.70	100.00	653.33				9.41	100.00	454.93			
SOVA	0.28	100.00	210.11				0.40	100.00	44.93			
PRIVATE	34.91	92.62	70.57	2.78	7.38	109.65	39.16	92.91	12.19	2.99	7.09	7.45
All India	516.12	91.22	4.77	49.65	8.78	-2.32	560.67	92.04	8.63	48.51	7.96	-2.29

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 2014-15

(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	Quantity	% of OC	Quantity	% of OC	Quantity	% of Tot	Quantity	% of UG	Quantity	% of UG	Quantity	% of UG	Quantity	% of UG	Quantity	% of UG	Quantity	% of UG		Quantity
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
ECL	32.714	100.0			32.714	81.8	0.539	7.4	6.753	92.6					0.0		7.292	18.2	40.006	
BCCL	32.483	100.0			32.483	94.1	0.049	2.4	1.917	94.5					0.063	3.1	2.029	5.9	34.512	
CCL	54.447	99.3	0.364	0.7	54.811	98.5	0.369	43.9	0.472	56.1							0.841	1.5	55.652	
NCL	72.484	100.0			72.484	100.0											0	0.0	72.484	
WCL	33.581	100.0			33.581	81.6	0.160	2.1	7.406	97.9					0.0		7.566	18.4	41.147	
SECL	112.239	100.0			112.239	87.5	0.085	0.5	14.278	89.0			0.000	0.0	1.673	10.4	16.036	12.5	128.275	
MCL	120.103	100.0			120.103	98.9			1.276	100.0							1.276	1.1	121.379	
NEC	0.776	100.0			0.776	99.6									0.003	100.0	0.003	0.4	0.779	
CIL	458.827	99.9	0.364	0.1	459.191	92.9	1.202	3.4	32.102	91.6	0.000	0.0	0.000	0.0	1.739	5.0	35.043	7.1	494.234	
SCCL	42.333	100.0			42.333	80.6	0.732	7.2	6.811	66.8			0.918	9.0	1.742	17.1	10.203	19.4	52.536	
JKML					0.000	0	0.013	100.0									0.013	100.0	0.013	
JSMDCL	0.415				0.415	100											0	0	0	
DVC	0.066	100.0			0.066	100.0											0	0	0.066	
DVC EMTA	1.001	100.0			1.001	100.0											0	0	1.001	
IISCO	0.360	100.0			0.360	57.5	0.015	5.6					0.251	94.4			0.266	42.5	0.626	
SAIL	0.025	100.0			0.025	100.0											0	0	0.025	
APMDTCL					0.000														0.000	
WBMDTCL	1.041	100.0			1.041	100.0											0	0	1.041	
WBPDCL	6.221	100.0			6.221	100.0											0	0	6.221	
PSEB-PANEM	3.433	100.0			3.433	100.0											0	0	3.433	
KECML	2.478	100.0			2.478	100.0											0	0	2.478	
MPSMCL	1.500	100.0			1.500	100.0											0	0	1.500	
RRVUNL	3.443	100.0			3.443	100.0											0	0	3.443	
PUBLIC	521.143	99.9	0.364	0.1	521.507	92.0	1.962	4.3	38.913	85.5	0.000	0.0	1.169	2.6	3.481	22.0	45.525	8.0	567.032	
TISCO	4.715	100.0			4.715	78.0	0.275	20.7	1.053	79.3							1.328	22.0	6.043	
Meghalaya	2.524	100.0			2.524	100.0											0	0	2.524	
ICML	3.449	100.0			3.449	100.0											0	0	3.449	
JSPL	5.989	100.0			5.989	100.0											0	0	5.989	
HIL	2.248	100.0			2.248	100.0											0	0	2.248	
MIEL					0.000	0.0			1.000	100.0							1.000	100.0	1.000	
BLA	0.300	100.0			0.300	100.0											0	0	0.300	
PIL	1.000	100.0			1.000	100.0											0	0	1.000	
JNL	0.342	100.0			0.342	48.6			0.361	100.0							0.361	51.4	0.703	
JPL	6.248	100.0			6.248	100.0											0.000	0.0	6.248	
SIL									0.196	100.0							0.196	100.0	0.196	
UML	0.790	100.0			0.790	100.0											0	0	0.790	
ESCL	0.331	100.0			0.331	76.4			0.102	100.0							0.102	23.6	0.433	
SEML	1.189	100.0			1.189	100.0											0	0	1.189	
BSIL	0.031	100.0			0.031	100.0											0	0	0.031	
TUML-SVSL	0.198	100.0			0.198	100.0											0	0	0.198	
SPL	9.406	100.0			9.406	100.0											0	0	9.406	
SOVA	0.400	100.0			0.400	100.0											0	0	0.400	
PRIVATE	39.160	100.0	0.000	0.0	39.160	92.9	0.275	9.2	2.712	90.8	0.000	0.0	0.000	0.0	0.000	0.0	2.987	100.0	42.147	
India(14-15)	560.303	99.9	0.364	0.1	560.667	92.0	2.237	4.6	41.625	85.8	0.000	0.0	1.169	2.4	3.481	7.2	48.512	8.0	609.179	
India(13-14)	515.745	99.9	0.371	0.1	516.116	91.2	3.313	6.7	40.982	82.5	0.177	0.4	0.216	0.4	4.961	10.0	49.649	8.8	565.765	

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	YEAR 2012 - 2013			YEAR 2013 - 2014			YEAR 2014 - 2015		
	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	76.45	27.05	2.83	85.76	29.18	2.94	94.05	32.71	2.87
BCCL	84.26	28.06	3.00	85.41	29.91	2.86	103.90	32.48	3.20
CCL	63.31	47.04	1.35	59.02	49.07	1.20	96.35	54.81	1.76
NCL	195.71	70.02	2.79	208.79	68.64	3.04	210.61	72.48	2.91
WCL	113.69	34.09	3.34	120.08	32.00	3.75	122.91	33.58	3.66
SECL	118.20	101.35	1.17	144.88	107.85	1.34	158.27	112.24	1.41
MCL	90.42	106.22	0.85	96.03	109.01	0.88	89.22	120.10	0.74
NEC	4.73	0.60	7.86	6.58	0.66	9.96	10.18	0.78	13.12
CIL	746.76	414.42	1.80	806.54	426.30	1.89	885.50	459.19	1.93
SCCL	175.84	41.59	4.23	168.78	39.92	4.23	262.82	42.33	6.21
JKML									
DVC	0.06	0.20	0.29	0.02	0.05	0.28	0.13	0.07	1.98
IISCO	2.99	0.60	4.95	1.54	0.43	3.56	1.16	0.36	3.23
SAIL	0.20	0.10	2.00	0.08	0.07	1.14	0.03	0.03	1.16
JSMDC							1.16	0.42	2.80
DVC EMTA	6.56	1.84	3.58	6.32	1.52	4.16	6.34	1.00	6.34
APMDTCL	2.18	0.07	29.88						
RRVUNL	3.91	0.29	13.34	4.92	1.20	4.11	3.84	3.44	1.11
WBMDTCL	2.92	0.35	8.39	2.88	0.73	3.97	2.88	1.04	2.77
WBPDC	14.33	3.27	4.39	13.32	2.61	5.11	14.31	6.22	2.30
PSEB-PANEM	13.42	6.93	1.94	21.88	5.88	3.72	5.80	3.43	1.69
KECML	8.58	2.51	3.42	8.72	2.50	3.48	6.63	2.48	2.68
MPSMCL				1.75	0.01	349.20	9.05	1.50	6.03
PUBLIC	977.74	472.17	2.07	1036.73	481.21	2.15	1199.65	521.51	2.30
TISCO	25.80	5.92	4.36	22.24	5.60	3.97	20.14	4.72	4.27
Meghalaya		5.64			5.73			2.52	
ICML	9.12	3.13	2.91	8.17	2.71	3.02	8.85	3.45	2.57
JSPL	8.00	6.00	1.33	8.78	6.00	1.46	9.24	5.99	1.54
HIL	1.71	2.24	0.77	2.17	2.48	0.87	2.39	2.25	1.06
MIEL									
BLA	1.62	0.30	5.40	1.44	0.30	4.80	0.88	0.30	2.94
PIL	8.08	1.00	8.08	7.99	1.00	7.99	5.20	1.00	5.20
JNL	0.52	0.20	2.60	0.86	0.17	5.19	2.06	0.34	6.03
JPL	11.94	5.25	2.27	12.35	6.23	1.98	9.28	6.25	1.48
SIL									
ESCL	2.59	0.10	26.95	4.09	0.40	10.33	2.19	0.33	6.62
UML	5.06	0.56	9.04	8.26	0.76	10.83	5.13	0.79	6.49
SEML	2.30	0.98	2.35	2.14	1.17	1.84	3.00	1.19	2.53
BSIL	0.49	0.06	7.87	0.49	0.08	6.02	0.15	0.03	4.68
TUML-SVSL	1.37	0.34	4.01	0.92	0.32	2.89	0.61	0.20	3.10
SPL	2.12	0.23	9.42	19.93	1.70	11.76	30.51	9.41	3.24
SOVA	0.43	0.09	4.88	1.15	0.28	4.16	0.95	0.40	2.37
PRIVATE	81.13	32.02	3.08	100.97	34.91	3.46	100.58	39.16	2.75
INDIA	1058.87	504.20	2.12	1137.70	516.12	2.23	1300.23	560.67	2.33

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)
2005-06	7.51	9.60	0.71	0.89	3.26	1.74
2006-07	8.00	9.50	0.71	0.90	3.54	1.91
2007-08	8.60	10.76	0.73	1.02	3.79	2.10
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

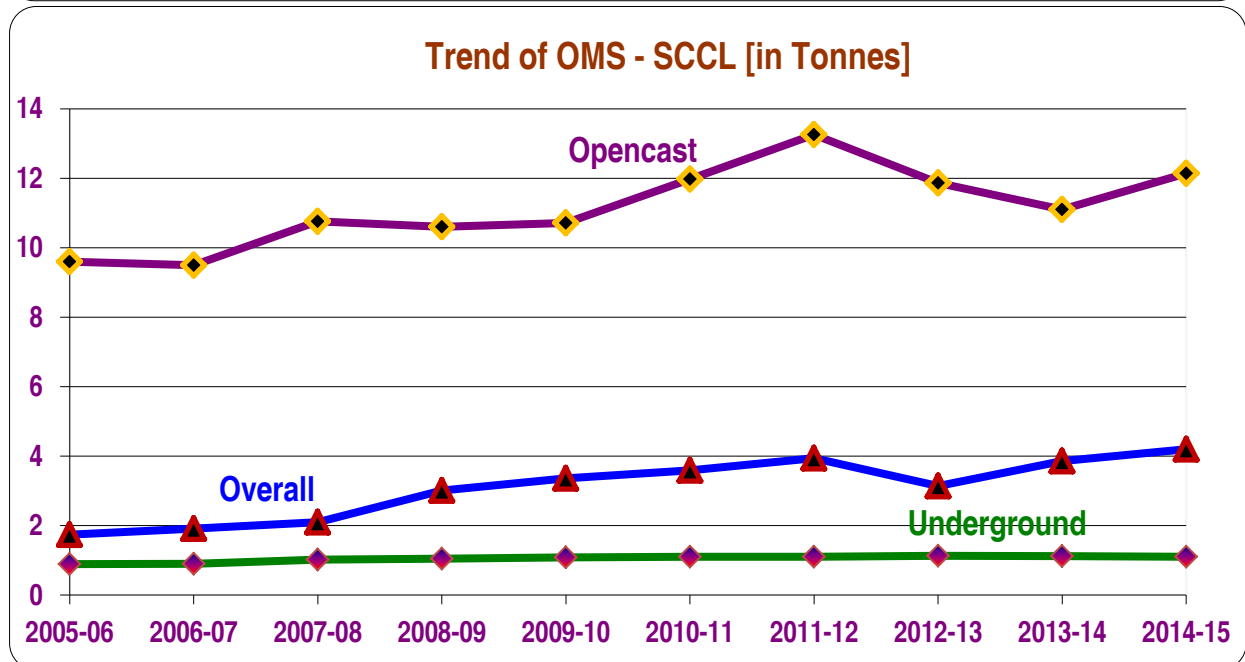
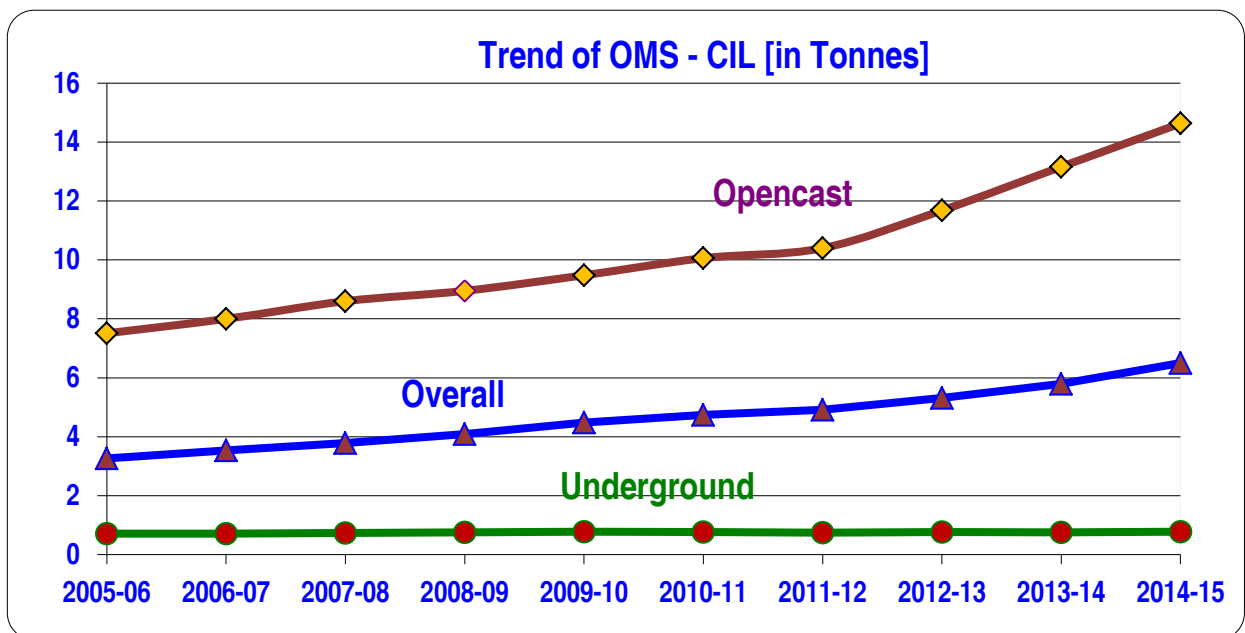


TABLE 3.21 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2012-2013			2013-2014			2014-2015		
		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	27.052	2.660	10.17	29.18	2.66	11.30	32.714	2.699	12.12
BCCL	OC	28.058	3.376	8.31	29.91	3.19	9.38	32.483	3.533	9.19
CCL	OC	47.037	7.720	6.09	49.07	6.89	6.26	54.811	6.807	7.56
NCL	OC	70.021	4.351	13.65	68.64	4.45	13.78	72.484	5.268	13.70
WCL	OC	34.087	6.778	5.03	32.00	6.23	5.14	33.581	4.677	5.72
SECL	OC	101.350	5.263	19.26	107.85	5.03	19.26	112.239	4.698	23.89
MCL	OC	106.216	4.946	21.34	109.01	3.52	22.16	120.103	3.555	22.11
NEC	OC	0.602	0.341	1.76	0.66	0.32	2.10	0.776	0.152	5.10
CIL	OC	414.423	35.435	11.68	426.30	32.28	13.16	459.191	31.389	14.63
SCCL	OC	41.593	2.714	11.87	39.92	2.66	11.10	42.333	2.700	12.14
ECL	UG	6.849	14.780	0.46	6.87	14.30	0.48	7.292	13.657	0.53
BCCL	UG	3.153	9.073	0.35	2.70	8.65	0.31	2.029	7.894	0.26
CCL	UG	1.024	3.150	0.33	0.96	2.93	0.33	0.841	2.940	0.29
NCL	UG							0.000	0.00	
WCL	UG	8.200	7.472	1.10	7.73	7.20	1.07	7.566	6.723	1.13
SECL	UG	16.869	12.322	1.37	16.42	12.16	1.37	16.036	11.559	1.39
MCL	UG	1.679	1.726	0.97	1.43	1.73	0.84	1.276	1.694	0.77
NEC	UG	0.003	0.305	0.01	0.00	0.28	0.01	0.003	0.235	0.01
CIL	UG	37.777	48.828	0.77	36.11	47.25	0.76	35.043	44.702	0.78
SCCL	UG	11.597	9.831	1.13	10.55	9.83	1.12	10.203	8.371	1.10
ECL	ALL	33.901	17.440	1.94	36.05	16.97	2.13	40.006	16.356	2.45
BCCL	ALL	31.211	12.449	2.50	32.61	11.84	2.74	34.512	11.427	3.02
CCL	ALL	48.061	10.870	4.42	50.02	9.82	4.64	55.652	9.747	5.46
NCL	ALL	70.021	4.351	13.65	68.64	4.45	13.78	72.484	5.268	13.70
WCL	ALL	42.287	14.250	2.97	39.73	13.43	2.96	41.147	11.400	3.26
SECL	ALL	118.219	17.585	6.72	124.26	17.18	6.72	128.275	16.257	7.89
MCL	ALL	107.895	6.672	16.07	110.44	5.25	16.69	121.379	5.249	17.10
NEC	ALL	0.605	0.646	0.94	0.66	0.59	1.12	0.779	0.387	2.01
CIL	ALL	452.200	84.263	5.32	462.41	79.53	5.79	494.234	76.091	6.50
SCCL	ALL	53.190	12.545	3.14	50.47	12.49	3.86	52.536	11.071	4.20

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

(Quantity in Million Tonnes)

STATES	Production (2012-2013)			Production (2013-2014)			Production (2014-2015)		
	OC	UG	TOTAL	OC	UG	TOTAL	OC	UG	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ARUNACHAL PRADESH	0.073		0.073			0.000			0.000
ASSAM	0.602	0.003	0.605	0.661	0.003	0.664	0.776	0.003	0.779
CHHATTISGARH	107.467	10.363	117.830	116.858	10.237	127.095	124.899	9.865	134.764
JAMMU & KASHMIR		0.019	0.019		0.019	0.019		0.013	0.013
JHARKHAND	105.168	6.106	111.274	107.325	5.766	113.091	119.032	5.111	124.143
MADHYA PRADESH	63.534	12.414	75.948	63.609	11.981	75.590	75.369	12.240	87.609
MAHARASHTRA	35.519	3.615	39.134	33.948	3.275	37.223	35.203	3.054	38.257
MEGHALAYA	5.640		5.640	5.732		5.732	2.524	0.000	2.524
ODISHA	108.453	1.679	110.132	111.484	1.433	112.917	122.351	1.276	123.627
TELANGANA	41.593	11.597	53.190	39.921	10.548	50.469	42.333	10.203	52.536
UTTAR PRADESH	16.090		16.090	14.721		14.721	14.957		14.957
WEST BENGAL	20.056	6.411	26.467	21.857	6.387	28.244	23.223	6.747	29.970
ALL INDIA	504.195	52.207	556.402	516.116	49.649	565.765	560.667	48.512	609.179

TABLE 3.23 : CAPTIVE BLOCK WISE PRODUCTION OF RAW COAL DURING 2014-15

(Quantity in Million Tonnes)

Block	Company	State	Coking Coal	Non Coking Coal	Total Coal
Namchik Namphuk	APMDTCL	Arunachal Pradesh			0.000
Parsa E & Kanta Basan	RRUVNL	Chhattisgarh		3.443	3.443
Tasra	SAIL/IISCO	Jharkhand	0.024	0.001	0.025
Panchwara North	WBPDC	Jharkhand		4.000	4.000
Pachwara Central	PSEB	Jharkhand		3.433	3.433
Amelia North	MPSMCL	Madhya Pradesh		1.500	1.500
Baranj I-IV, Kiloni, Manora Deep	KECML	Maharashtra		2.478	2.478
Barjora North	DVCEMTA	West Bengal		1.001	1.001
Trans Damodar	WBMDTCL	West Bengal		1.041	1.041
Tara East & West	WBPDC	West Bengal		1.805	1.805
Barjore	WBPDC	West Bengal		0.210	0.210
Gangaramchak & Bhadulia	WBPDC	West Bengal		0.206	0.206
Total Public			0.024	19.118	19.142
Chotia	PIL	Chhattisgarh		1.000	1.000
Gare Palma IV/1	JSPL	Chhattisgarh		5.989	5.989
Gare Palma IV/2&3	JPL	Chhattisgarh		6.248	6.248
Gare Palma IV/4	JNL	Chhattisgarh		0.703	0.703
Gare Palma IV/5	MIEL	Chhattisgarh		1.000	1.000
Gare Palma IV/7	SEML	Chhattisgarh		1.189	1.189
Kathautia	UML	Jharkhand		0.790	0.790
Parbatpur Central	ESCL	Jharkhand	0.409	0.024	0.433
Gotitoria E & W	BLA	Madhya Pradesh		0.300	0.300
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		9.406	9.406
Belgaon	SIL	Maharashtra		0.196	0.196
Marki Mangli I	BSIL	Maharashtra		0.031	0.031
Marki Mangli II-IV	TUML-SVSL	Maharashtra		0.198	0.198
Talabira I	HIL	Odisha		2.248	2.248
Ardhagram	SOVA	West Bengal		0.400	0.400
Sarshatali	ICML	West Bengal		3.449	3.449
Total Private			0.409	33.171	33.580
Grand Total			0.433	52.289	52.722

Section IV

Despatch & Off-take

4.1.1 The concept of despatch as well as off-take has already been elaborated in Section I. The dispatch of Raw Coal in the year 2014-15 was 603.772 MT, 5.54% more than the previous year.

4.1.2 Statement 4.1 shows despatch as well as off-take of raw coal in 2014-15 by different companies.

Statement 4.1 Despatch / Off-take of Raw Coal in India in 2014-15 by Company [MT]		
Company	Raw Coal	
	Despatch	Off-take
ECL	38.220	38.469
BCCL	33.607	33.669
CCL	55.337	55.338
NCL	73.518	73.693
WCL	41.240	41.246
SECL	123.209	123.223
MCL	122.996	123.001
NEC	0.733	0.733
CIL	488.860	489.372
SCCL	52.662	52.725
Other Public	20.300	20.300
Total Public	561.822	562.397
Total Private	41.950	41.951
ALL INDIA	603.772	604.348

It can be seen that Coal India Ltd. accounted for 80.97% of coal despatch in the country. The share of SCCL in the coal despatch was 8.74% and the contribution of private sector was 6.95%. In the CIL group, the major contributors were SECL, MCL and NCL with share of 20.41%, 20.37% and 12.18% respectively at all India level. These companies collectively accounted for 52.95% of the raw coal despatch at all India level.

4.1.3 Statement 4.1 also shows that the difference between the despatch and the off-take was marginal (0.576 MT).

4.1.4 Statement 4.2 depicts the Despatches as well as Off-take of Washed Coal in India in 2014-15 by different Companies which was 23.078 MT. It may be observed that the share of public sector was 67.01% and private sector accounted for 32.99% of the total washed Coal despatches/off take.

Statement 4.2: Despatch / Off-take of Washed Coal in India in 2014-15 by Company [MT]		
Company	Washed Coal	
	Despatches	Off-take
BCCL	0.425	0.425
CCL	8.012	8.012
NCL	3.441	3.441
WCL	0.074	0.074
CIL	11.952	11.952
IISCO	0.530	0.530
RRVUNL	2.983	2.983
Total Public	15.465	15.465
Total Private	7.613	7.613
ALL INDIA	23.078	23.078

4.1.5 In case of Middling (Table 4.9), 9.505 MT of Middling was despatched by various companies. The share of private companies was reported to be 67.39% against the corresponding figure of 32.61% for the public sector companies.

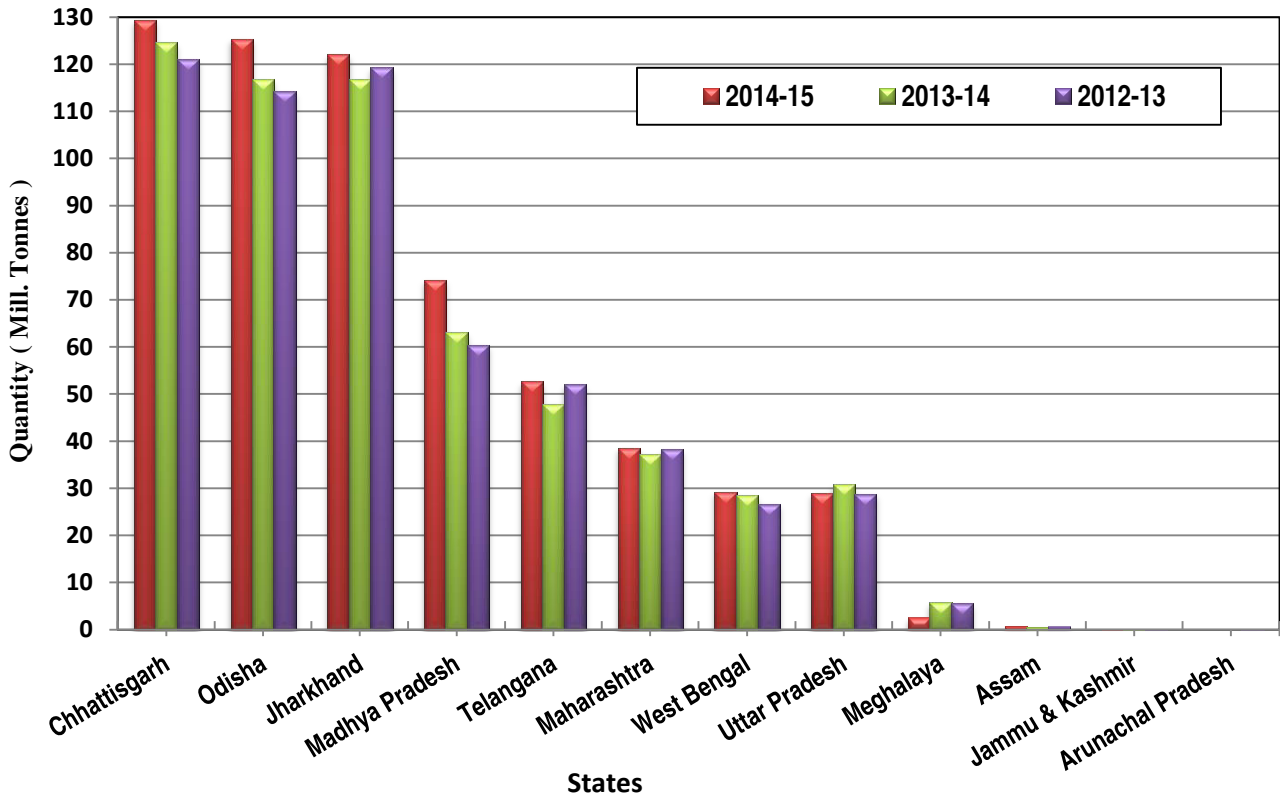
4.1.6 Statement 4.3 (Table 4.18) provides details on despatch/Off-take of Raw Coal in India in 2014-15 to different sectors of economy. Analysis of total off-take by different sector shows that power sector accounted for 82.43% of Raw Coal despatch (Power Utility: 72.12%; Captive Power: 10.31%). The share of Steel, Cement and Sponge Iron was reported to be 1.99%, 1.88%, 2.94% respectively. Further details on the issue can be seen from different tables attached with this section.

Statement 4.3: Despatch /Off-take of Raw Coal in India in 2014-15 by Sector [MT]	
Sector	Despatch/Off-take [MT]
Power (Utility)	435.438
Power (Captive)	62.263
Metallurgical Use (Steel)	
Direct Feed	1.054
Steel (Coke Oven Plants & Cokeries)	10.967
Steel Boilers	0.501
Cement	11.357
Fertilizers	2.293
Sponge Iron	17.766
Other basic-Metal	0.467
Chemical	0.407
Pulp & Paper	1.648
Textiles & Rayons	0.415
Bricks	0.091
Others	59.105
Total Despatch	603.772
Colliery Own - Consumption	0.567
Colliery Staff	0.009
Total Off-take	604.348

Statement 4.4: Despatch/ Off-take of Lignite in India in 2014-15 by Sector [MT]	
Sector	Despatch/ Off-take [MT]
Power (Utility)	23.052
Power (Captive)	16.421
Cement	1.274
Chemical	0.333
Pulp & Paper	0.650
Textiles & Rayons	2.887
Bricks	0.671
Others	1.666
Total Despatch	46.954

4.2.1 The despatch as well as off-take of Lignite in 2014-15 was 46.954 MT. From the statement 4.4 it is observed that power sector has taken the lion share of 84.07% of the total off-take of lignite in the year 2014-15. This has been followed by Textiles & Rayons (6.15%), Cement (2.71%). Others in case of raw coal as well as lignite includes supply to defence, railway, private crockery, etc.

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



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

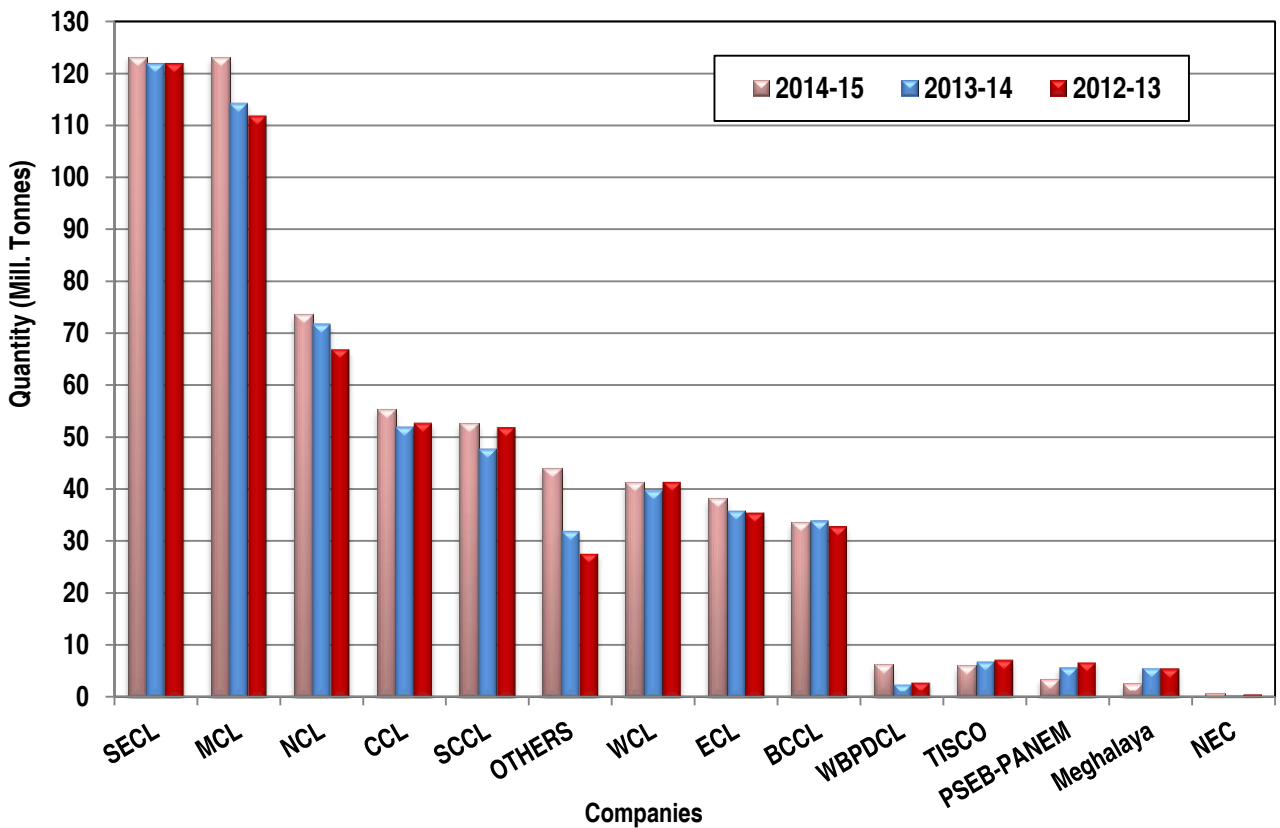
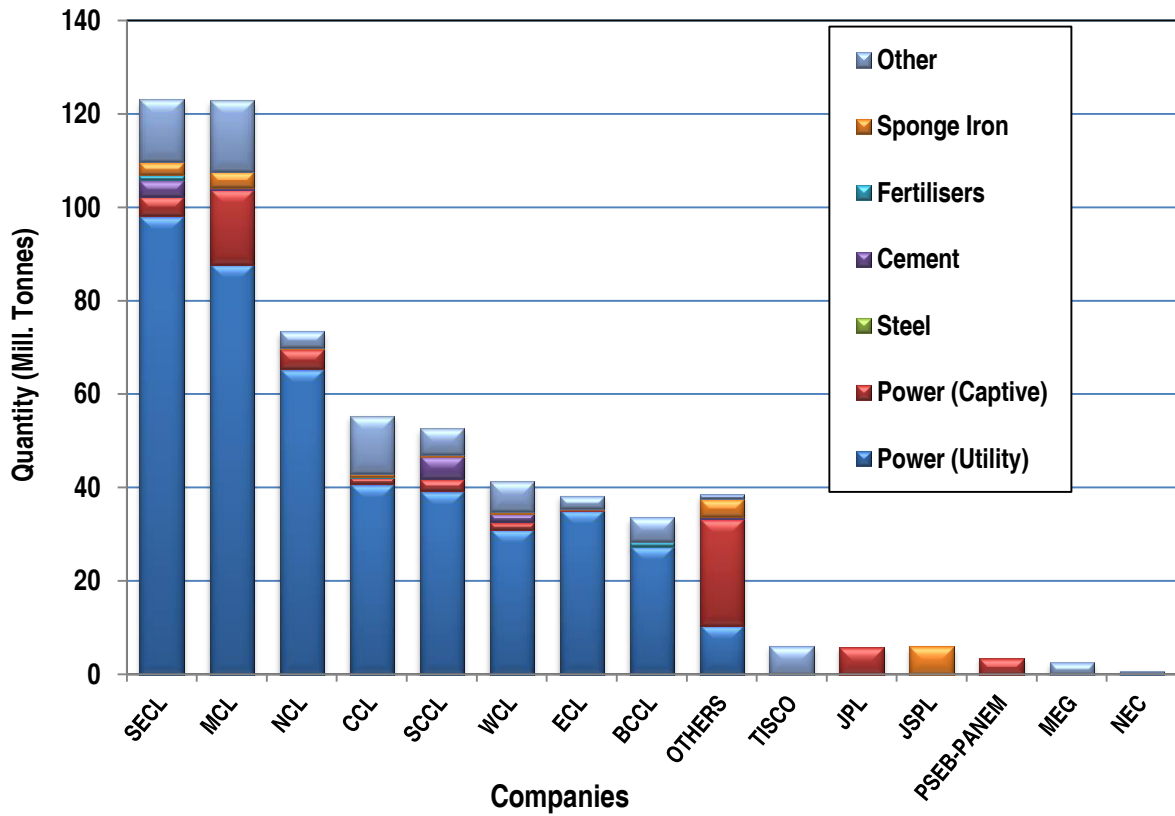


Chart 4.3: Sectorwise Despatches of Raw Coal from different companies in 2014-15



Ch.4.4: Share of different Grades of Raw Coal Despatched during 2014-15

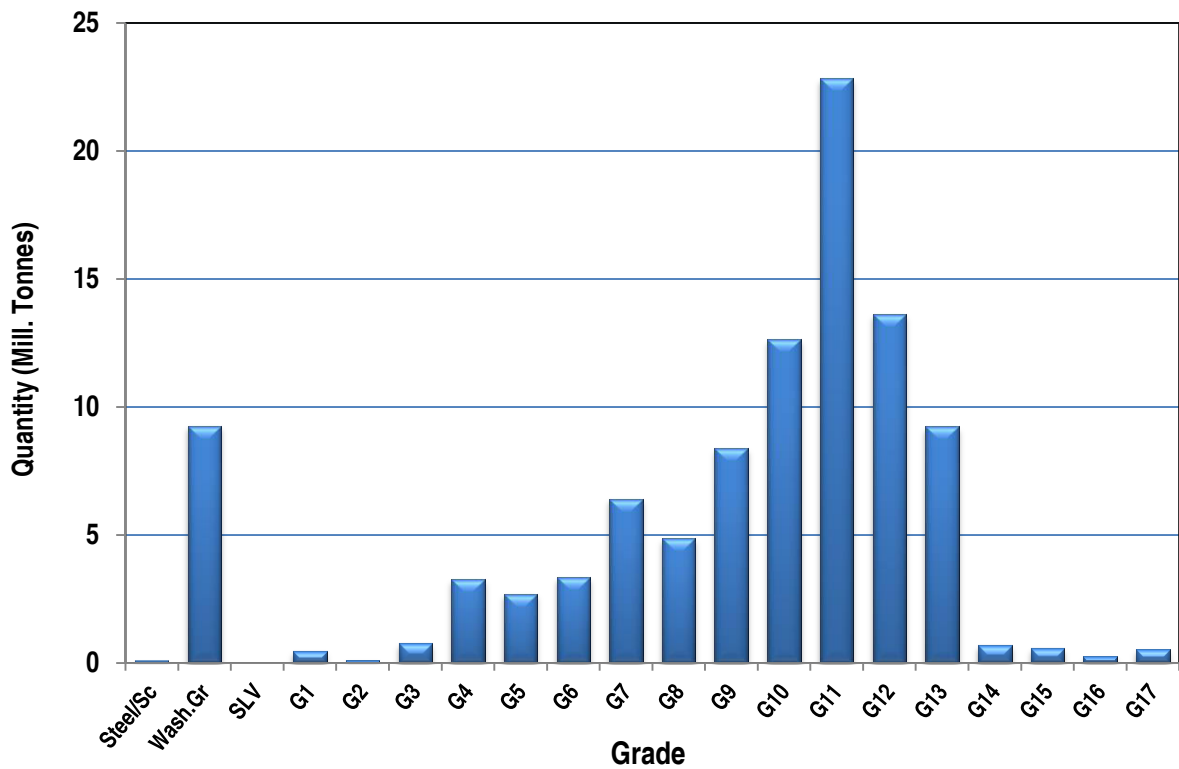


TABLE 4.1: TREND OF DESPATCHES OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS

(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)
2005-06	395.587	92.88	4.47	30.339	7.12	0.84	425.926	4.20
2006-07	419.800	93.17	6.12	30.797	6.83	1.51	450.597	5.79
2007-08	453.567	92.90	8.04	34.657	7.10	12.53	488.224	8.35
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

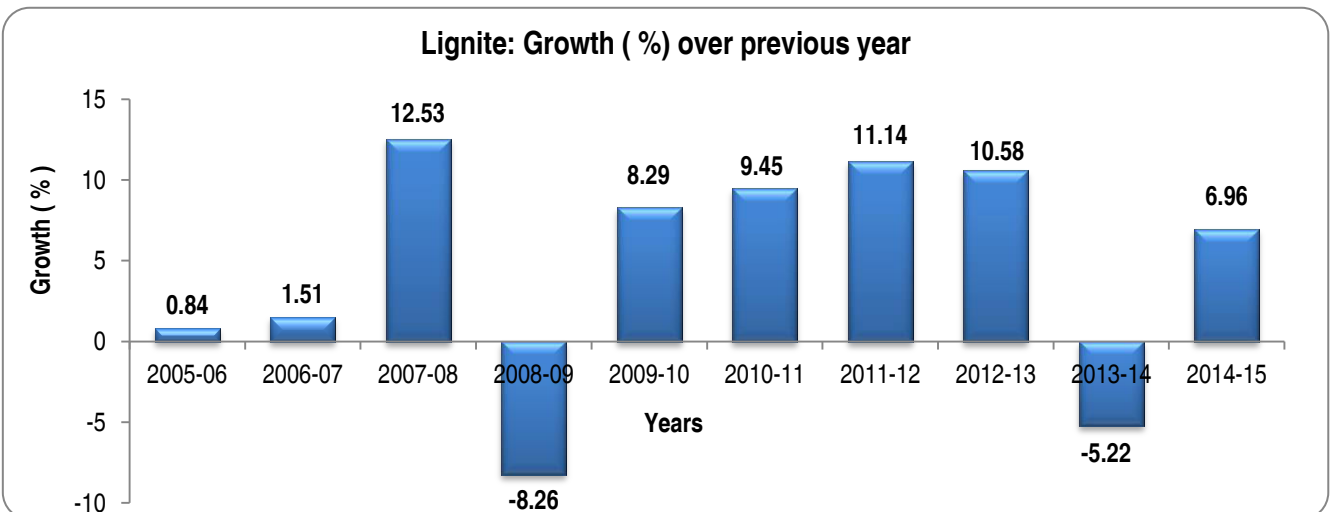
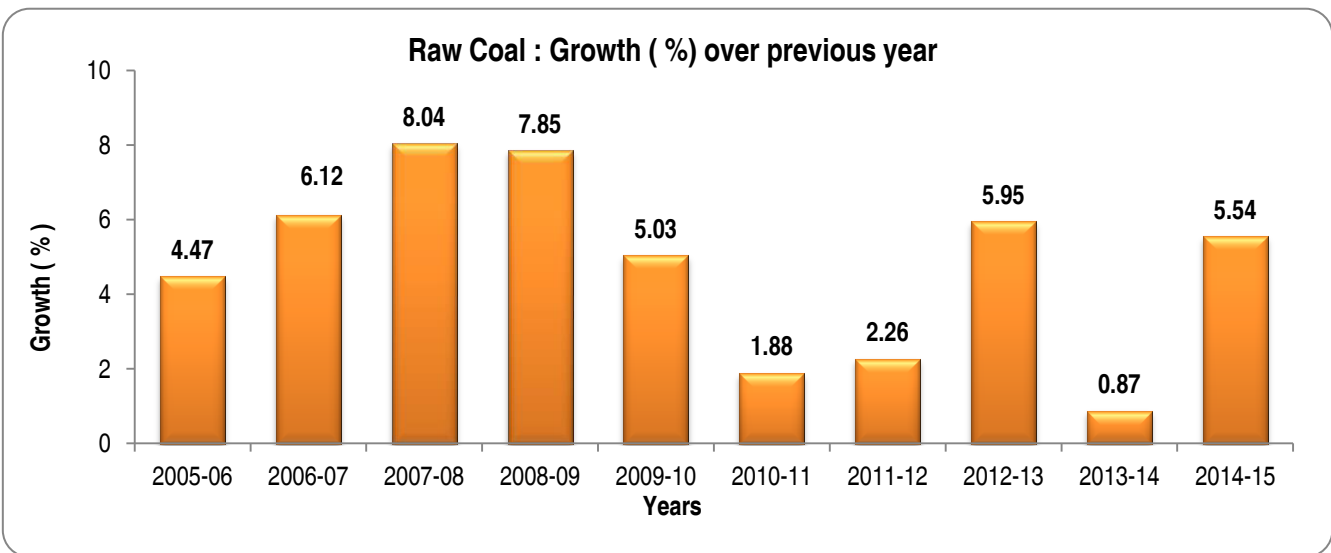


TABLE 4.2: TREND OF DESPATCHES OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal			Despatches	Share in coking coal(%)	Change over previous year (%)	Despatches	Change over previous year (%)
	Despatches	Share in coking coal(%)	Change over previous year (%)	Despatches	Share in coking coal(%)	Change over previous year (%)	Despatches	Share in coking coal(%)	Change over previous year (%)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2005-06	16.495	54.02	-6.06	14.042	45.98	6.47	30.537	7.72	-0.69	365.050	92.28	4.93	395.587	4.47
2006-07	16.334	51.16	-0.98	15.593	48.84	11.05	31.927	7.61	4.55	387.873	92.39	6.25	419.800	6.12
2007-08	16.438	49.01	0.64	17.105	50.99	9.70	33.543	7.40	5.06	420.024	92.60	8.29	453.567	8.04
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

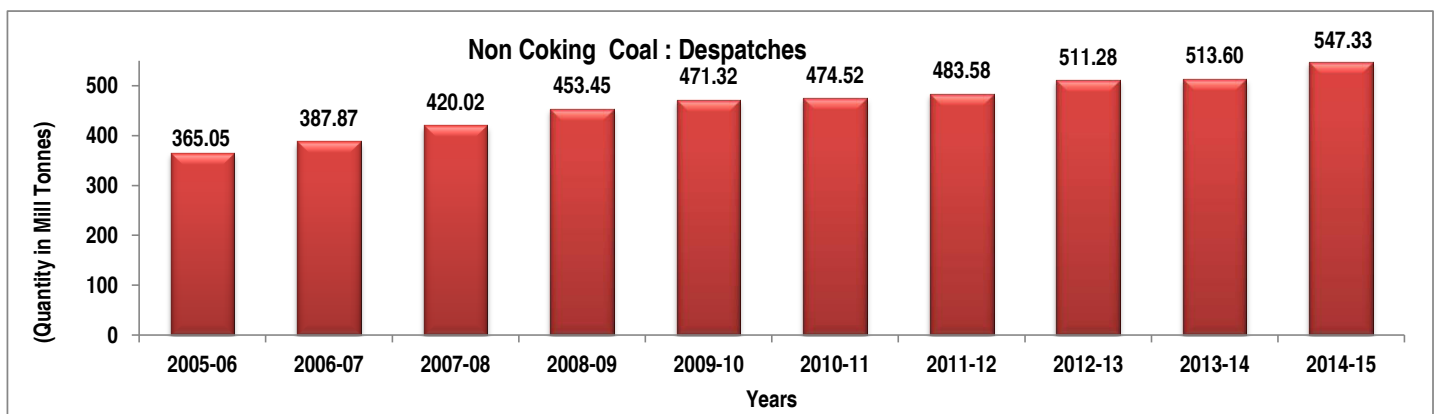
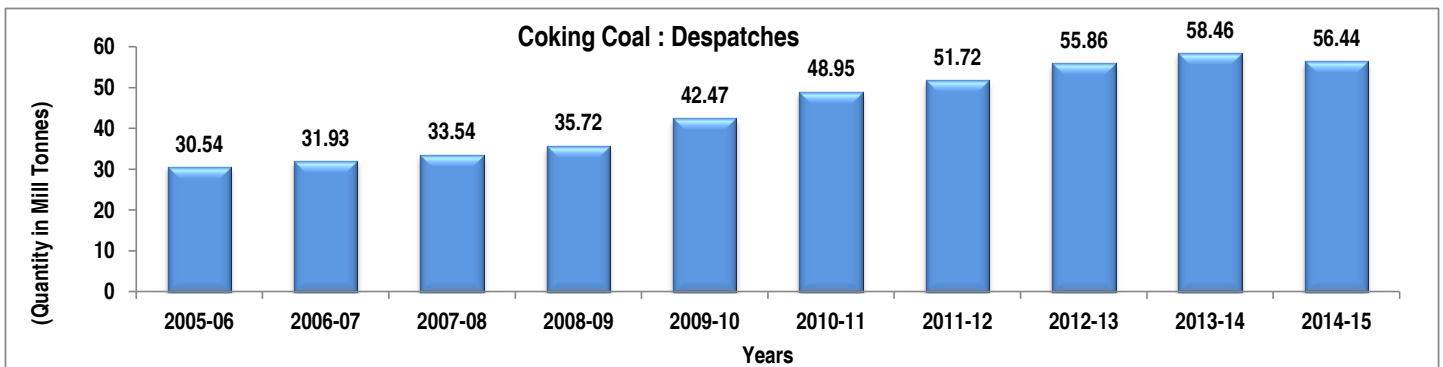
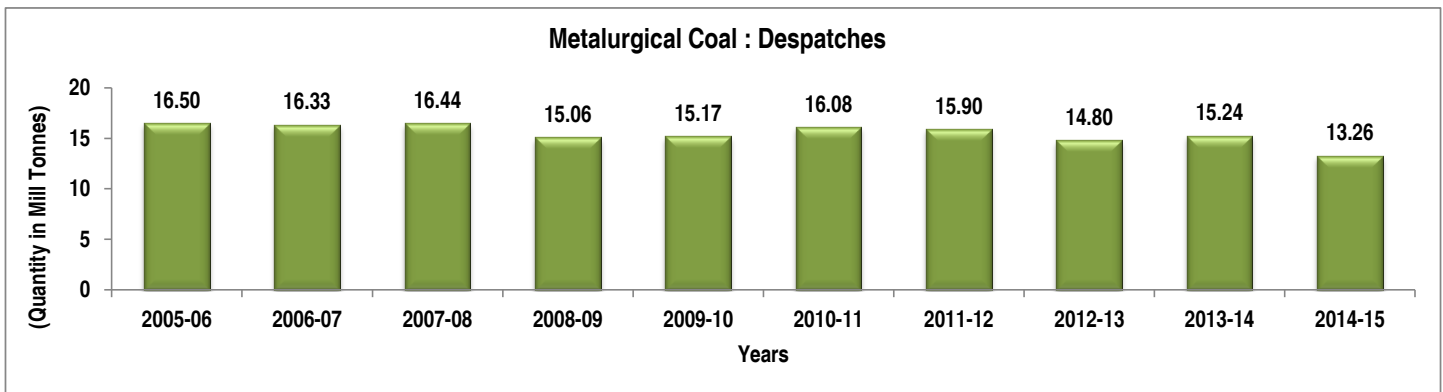
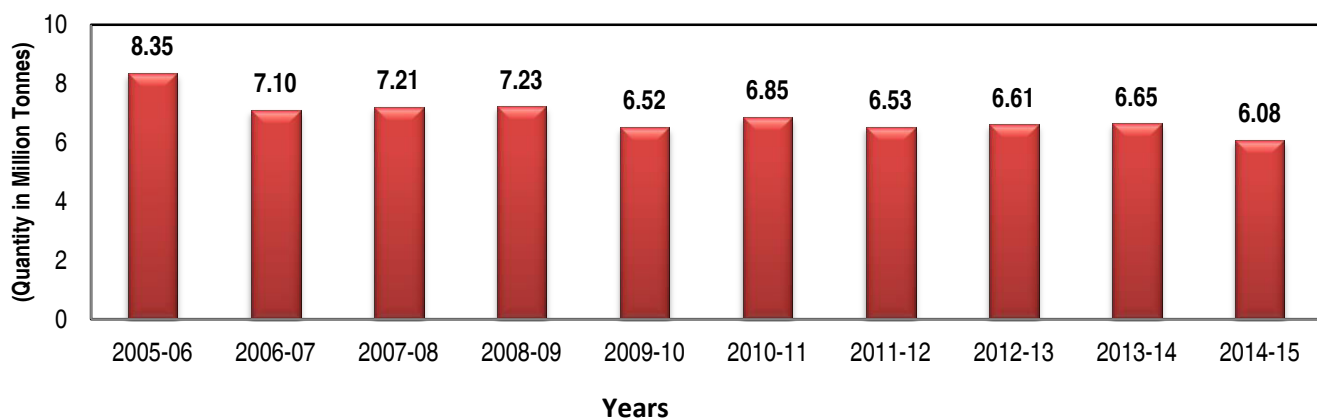


TABLE 4.3: TREND OF DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS

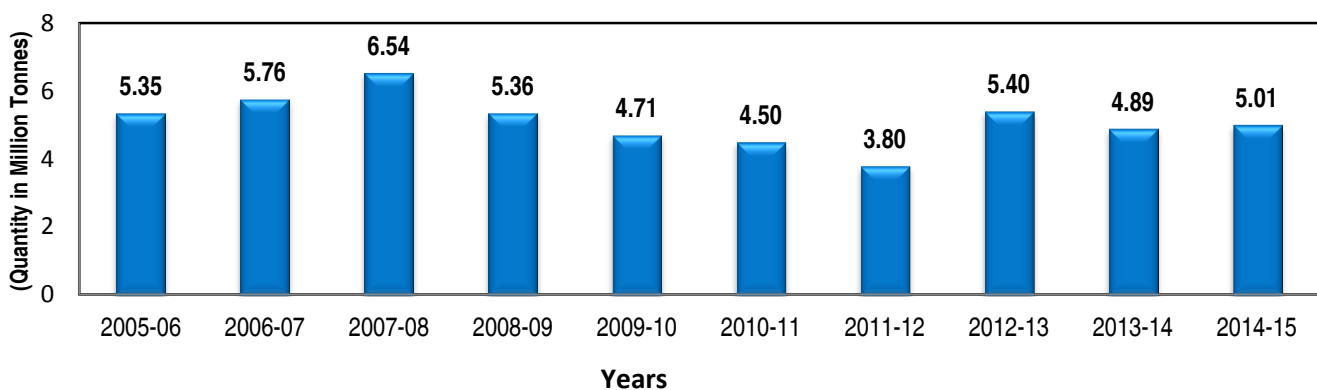
(Quantity in Million Tonnes)

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)
2005-06	8.347	-3.38	12.322	15.43	5.349	1.71	1.882	4.38	13.030	6.36
2006-07	7.104	-14.89	12.633	2.52	5.758	7.65	2.244	19.23	12.739	-2.23
2007-08	7.206	1.44	12.821	1.49	6.536	13.51	2.466	9.89	12.774	0.27
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

Washed Coal (Coking) : Despatch



Middlings (Coking) : Despatch



Note: 1. All the above figures of Washed Coal & Middling relate to coal companies[own washery]

(private & public) here are not included Private Washeries

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)
2012-13												
April - June	14.065	10.8	25.2	125.429	4.7	24.5	139.494	5.3	24.6	12.227	13.3	26.4
July - Sept.	13.016	5.8	23.3	111.083	6.3	21.7	124.099	6.2	21.9	10.357	20.0	22.4
Oct. - Dec.	14.072	13.1	25.2	131.731	7.0	25.8	145.803	7.6	25.7	10.828	10.0	23.4
Jan. - Mar.	14.706	2.9	26.3	143.034	5.0	28.0	157.740	4.8	27.8	12.901	2.2	27.9
TOTAL	55.859	8.0	100.0	511.277	5.7	100.0	567.136	5.9	100.0	46.313	10.6	100.0
2013-14												
April - June	14.306	1.7	24.5	126.400	0.8	24.6	140.706	0.9	24.6	12.375	1.2	28.2
July - Sept.	14.472	11.2	24.8	116.365	4.8	22.7	130.837	5.4	22.9	9.270	-10.5	21.1
Oct. - Dec.	13.950	-0.9	23.9	128.151	-2.7	25.0	142.101	-2.5	24.8	9.606	-11.3	21.9
Jan. - Mar.	15.736	7.0	26.9	142.680	-0.2	27.8	158.416	0.4	27.7	12.646	-2.0	28.8
TOTAL	58.464	4.7	100.0	513.596	0.5	100.0	572.060	0.9	100.0	43.897	-5.2	100.0
2014-15												
April - June	15.082	5.4	26.7	132.408	4.8	24.2	147.490	4.8	24.4	13.277	7.3	28.3
July - Sept.	13.262	-8.4	23.5	124.598	7.1	22.8	137.860	5.4	22.8	10.360	11.8	22.1
Oct. - Dec.	13.333	-4.4	23.6	140.954	10.0	25.8	154.287	8.6	25.6	10.412	8.4	22.2
Jan. - Mar.	14.761	-6.2	26.2	149.374	4.7	27.3	164.135	3.6	27.2	12.905	2.0	27.5
TOTAL	56.438	-3.5	100.0	547.334	6.6	100.0	603.772	5.5	100.0	46.954	7.0	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)
2012-13															
April - June	1.688	5.2	25.5	3.141	-21.9	22.1	1.307	31.5	24.2	1.269	61.0	24.5	3.078	-0.5	24.8
July - Sept.	1.516	-4.6	22.9	3.242	-5.8	22.8	1.310	32.3	24.2	1.290	74.8	24.9	3.145	3.0	25.3
Oct. - Dec.	1.655	3.8	25.0	3.919	-6.8	27.5	1.401	59.2	25.9	1.354	43.3	26.1	3.118	0.1	25.1
Jan. - Mar.	1.755	0.7	26.5	3.935	-3.6	27.6	1.385	47.7	25.6	1.271	18.3	24.5	3.088	0.4	24.8
TOTAL	6.614	1.3	100.0	14.237	-9.6	100.0	5.403	42.1	100.0	5.184	46.2	100.0	12.429	0.7	100.0
2013-14															
April - June	1.695	0.4	25.5	4.329	37.8	28.0	1.313	0.5	26.8	0.992	-21.8	25.7	3.072	-0.2	24.2
July - Sept.	1.677	10.6	25.2	3.828	18.1	24.8	1.205	-8.0	24.6	0.748	-42.0	19.4	3.304	5.1	26.0
Oct. - Dec.	1.643	-0.7	24.7	3.760	-4.1	24.3	1.160	-17.2	23.7	1.137	-16.0	29.5	3.181	2.0	25.0
Jan. - Mar.	1.630	-7.1	24.5	3.537	-10.1	22.9	1.216	-12.2	24.8	0.977	-23.1	25.4	3.150	2.0	24.8
TOTAL	6.645	0.5	100.0	15.454	8.5	100.0	4.894	-9.4	100.0	3.854	-25.7	100.0	12.707	2.2	100.0
2014-15															
April - June	1.475	-13.0	24.3	3.969	-8.3	23.3	1.089	-17.1	21.7	1.289	29.9	28.7	3.312	7.8	23.7
July - Sept.	1.468	-12.5	24.1	4.154	8.5	24.4	1.207	0.2	24.1	1.154	54.3	25.7	3.599	8.9	25.8
Oct. - Dec.	1.587	-3.4	26.1	4.389	16.7	25.8	1.285	10.8	25.6	1.340	17.9	29.8	3.389	6.5	24.3
Jan. - Mar.	1.550	-4.9	25.5	4.486	26.8	26.4	1.431	17.7	28.6	0.710	-27.3	15.8	3.654	16.0	26.2
TOTAL	6.080	-8.5	100.0	16.998	10.0	100.0	5.012	2.4	100.0	4.493	16.6	100.0	13.954	9.8	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) All the above figures of Washed Coal & Middling relate to coal companies[own washery].

Private Washeries not owned by the coal companies are not included here.

(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 2014-15
(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-14	5.097	8.8	9.03	44.997	2.4	8.22	50.094	3.0	8.30	4.600	7.0	9.80
May-14	5.246	7.6	9.30	44.816	7.4	8.19	50.062	7.4	8.29	4.698	5.4	10.01
Jun-14	4.739	-0.1	8.40	42.595	4.7	7.78	47.334	4.1	7.84	3.979	10.0	8.47
1st Quarter	15.082	5.4	26.72	132.408	4.8	24.19	147.490	4.8	24.43	13.277	7.3	28.28
Jul-14	4.390	-15.1	7.78	43.047	6.8	7.86	47.437	4.3	7.86	3.650	13.8	7.77
Aug-14	4.560	-3.3	8.08	41.764	12.3	7.63	46.324	10.5	7.67	3.512	20.2	7.48
Sep-14	4.312	-6.0	7.64	39.787	2.4	7.27	44.099	1.5	7.30	3.198	1.8	6.81
2nd Quarter	13.262	-8.4	23.50	124.598	7.1	22.76	137.860	5.4	22.83	10.360	11.8	22.06
Oct-14	4.349	4.3	7.71	44.006	14.0	8.04	48.355	13.1	8.01	3.113	3.8	6.63
Nov-14	4.466	-4.7	7.91	46.602	9.5	8.51	51.068	8.1	8.46	3.389	17.9	7.22
Dec-14	4.518	-11.3	8.01	50.346	7.1	9.20	54.864	5.3	9.09	3.910	4.7	8.33
3rd Quarter	13.333	-4.4	23.62	140.954	10.0	25.75	154.287	8.6	25.55	10.412	8.4	22.17
Jan-15	4.563	-15.5	8.08	49.662	2.2	9.07	54.225	0.4	8.98	4.237	-4.5	9.02
Feb-15	4.792	-2.1	8.49	47.487	7.1	8.68	52.279	6.2	8.66	4.218	9.6	8.98
Mar-15	5.406	-0.7	9.58	52.225	5.0	9.54	57.631	4.4	9.55	4.450	2.1	9.48
4th Quarter	14.761	-6.2	26.15	149.374	4.7	27.29	164.135	3.6	27.18	12.905	2.0	27.48
Yr. 2014-15	56.438	-3.5	100.00	547.334	6.6	100.00	603.772	5.5	100.00	46.954	7.0	100.00

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

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

Contd....

TABLE 4.5: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL, LIGNITE AND COAL PRODUCTS IN 2014-15

(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-14	0.523	-10.1	8.60	1.230	-4.9	7.24	0.307	-33.0	6.13	0.398	26.3	8.86	1.121	13.2	8.03
May-14	0.463	-18.2	7.62	1.451	-5.7	8.54	0.350	-17.1	6.98	0.467	29.7	10.39	1.145	9.3	8.21
Jun-14	0.489	-10.6	8.04	1.288	-14.0	7.58	0.432	-0.2	8.62	0.424	33.8	9.44	1.046	1.2	7.50
1st Quarter	1.475	-13.0	24.26	3.969	-8.3	23.35	1.089	-17.1	21.73	1.289	29.9	28.69	3.312	7.8	23.74
Jul-14	0.497	-12.0	8.17	1.495	-0.6	8.80	0.373	-18.2	7.44	0.399	65.6	8.88	1.166	6.9	8.36
Aug-14	0.458	-12.6	7.53	1.351	7.3	7.95	0.433	18.6	8.64	0.297	17.9	6.61	1.205	7.4	8.64
Sep-14	0.513	-12.8	8.44	1.308	22.8	7.70	0.401	4.4	8.00	0.458	79.6	10.19	1.228	12.6	8.80
2nd Quarter	1.468	-12.5	24.14	4.154	8.5	24.44	1.207	0.2	24.08	1.154	54.3	25.68	3.599	8.9	25.79
Oct-14	0.521	-5.6	8.57	1.466	23.3	8.62	0.440	20.2	8.78	0.630	65.4	14.02	1.060	1.2	7.60
Nov-14	0.530	2.1	8.72	1.437	18.7	8.45	0.418	8.6	8.34	0.459	-1.1	10.22	1.101	4.3	7.89
Dec-14	0.536	-6.3	8.82	1.486	9.3	8.74	0.427	4.4	8.52	0.251	-14.0	5.59	1.228	13.9	8.80
3rd Quarter	1.587	-3.4	26.10	4.389	16.7	25.82	1.285	10.8	25.64	1.340	17.9	29.82	3.389	6.5	24.29
Jan-15	0.536	-4.5	8.82	1.535	14.6	9.03	0.459	4.1	9.16	0.213	-26.8	4.74	1.237	13.6	8.86
Feb-15	0.484	-6.9	7.96	1.370	19.0	8.06	0.375	2.5	7.48	0.202	-28.4	4.50	1.143	18.3	8.19
Mar-15	0.530	-3.5	8.72	1.581	51.0	9.30	0.597	46.0	11.91	0.295	-27.0	6.57	1.274	16.3	9.13
4th Quarter	1.550	-4.9	25.49	4.486	26.8	26.39	1.431	17.7	28.55	0.710	-27.3	15.80	3.654	16.0	26.19
Yr. 2014-15	6.080	-8.5	100.00	16.998	10.0	100.00	5.012	2.4	100.00	4.493	16.6	100.00	13.954	9.8	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) All the above figures of Washed Coal & Middling relate to coal companies[own washery].

Private Washeries not owned by the coal companies are not included here.

(4) Data of Hard Coke relate to steel plants only. There are Private sector, specially in small scale sector,

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)
2005-06				1.170	0.31	105.99	74.997	20.19	6.90
2006-07				1.182	0.28	1.03	80.526	19.18	7.37
2007-08	0.076	0.02	0.00	1.200	0.26	1.52	90.792	20.02	12.75
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	0.000	0.00	-100.00	0.577	0.10	-6.63	124.674	21.79	2.99
2014-15	0.000	0.00		0.733	0.12	27.04	129.392	21.43	3.78

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)
2005-06	0.020	0.01	-25.93	79.669	21.45	4.00	54.949	14.79	6.31
2006-07	0.014	0.00	-30.00	84.292	20.08	5.80	59.996	14.29	9.18
2007-08	0.016	0.00	14.29	88.898	19.60	5.46	68.344	15.07	13.91
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	1.00	-39.13	119.276	21.03	8.64	60.411	10.65	-13.15
2013-14	0.013	2.00	-7.14	116.798	20.42	-2.08	63.096	11.03	4.44
2014-15	0.013	3.00	0.00	122.044	20.21	4.49	74.243	12.30	17.67

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)
2005-06	34.792	9.37	3.79	5.566	1.50	3.97	69.136	18.61	3.53
2006-07	35.508	8.46	2.06	5.787	1.38	3.82	77.585	18.48	12.22
2007-08	37.389	8.24	5.30	6.541	1.44	11.53	85.147	18.77	9.75
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

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)
2005-06	35.321	9.12	1.77	15.853	4.01	-6.85	24.114	6.10	8.41
2006-07	37.487	8.67	6.13	12.393	2.79	-21.83	25.030	5.96	3.80
2007-08	41.793	8.99	11.49	11.216	2.36	-9.50	22.155	4.88	-11.49
2008-09	44.410	8.86	6.26	12.448	2.43	10.98	22.817	4.66	2.99
2009-10	49.266	9.35	10.93	13.587	2.54	9.15	22.259	4.33	-2.45
2010-11	50.046	9.29	1.58	15.393	2.83	13.29	21.439	4.10	-3.68
2011-12	51.389	9.34	2.68	15.467	2.77	0.48	23.203	4.33	8.23
2012-13	52.025	8.73	1.24	28.824	4.85	86.36	26.686	4.71	15.01
2013-14	47.892	7.94	-7.94	30.807	5.13	6.88	28.471	4.98	6.69
2014-15	52.662	8.32	9.96	29.021	4.58	-5.80	29.205	4.84	2.58

Year	All India	
	Quantity	Growth(%)
(41)	(42)	(43)
2005-06	371.473	4.23
2006-07	419.800	13.01
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

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)
2005-06	20.551	67.74	-3.23	9.111	30.03	9.74
2006-07	20.511	66.60	-0.19	9.819	31.88	7.77
2007-08	22.259	64.23	8.52	11.792	34.02	20.09
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

Year	State: Rajasthan			ALL INDIA	
	Quantity	Share (%)	Growth (%)	Quantity	Growth (%)
(8)	(9)	(10)	(11)	(12)	(13)
2005-06	0.677	2.23	23.54	30.339	0.84
2006-07	0.467	1.52	-31.02	30.797	1.51
2007-08	0.606	1.75	29.76	34.657	12.53
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

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

(Quantity in Million Tonnes)

Company (1)	2012-13			2013-14			2014-15		
	Coking (8)	N-Coking (9)	Total (10)	Coking (8)	N-Coking (9)	Total (10)	Coking (8)	N-Coking (9)	Total (10)
ECL	0.043	35.501	35.544	0.045	35.929	35.974	0.036	38.184	38.220
BCCL	28.970	4.027	32.997	31.496	2.562	34.058	30.093	3.514	33.607
CCL	18.479	34.407	52.886	18.679	33.442	52.121	19.359	35.978	55.337
NCL	0.000	67.021	67.021	0.000	71.892	71.892	0.000	73.518	73.518
WCL	0.317	41.222	41.539	0.268	39.671	39.939	0.232	41.008	41.240
SECL	0.155	121.818	121.973	0.123	121.890	122.013	0.125	123.084	123.209
MCL		111.959	111.959		114.342	114.342		122.996	122.996
NEC		0.618	0.618		0.577	0.577		0.733	0.733
CIL	47.964	416.573	464.537	50.611	420.305	470.916	49.845	439.015	488.860
SCCL		52.025	52.025		47.892	47.892		52.662	52.662
JKML		0.014	0.014		0.013	0.013		0.013	0.013
JSMDCL		0.000	0.000		0.000	0.000		0.408	0.408
DVC		0.226	0.226		0.045	0.045		0.055	0.055
DVCEMTA		1.844	1.844		1.523	1.523		1.006	1.006
IISCO	0.560	0.156	0.716	0.541	0.081	0.622	0.420	0.199	0.619
SAIL	0.033	0.064	0.097	0.044	0.031	0.075	0.024	0.001	0.025
APMDTCL		0.055	0.055		0.000	0.000		0.000	0.000
RRVUNL		0.293	0.293		1.197	1.197		3.443	3.443
WBPDCCL	0.000	3.256	3.256		2.610	2.610		6.248	6.248
PSEB-PANEM		6.872	6.872		5.852	5.852		3.454	3.454
KECML		2.515	2.515		2.472	2.472		2.413	2.413
WBMDCCL		0.265	0.265		0.734	0.734		1.111	1.111
MPSMCL					0.000	0.000		1.505	1.505
Total Public	48.557	484.158	532.715	51.196	482.755	533.951	50.289	511.533	561.822
TISCO	7.233	0.081	7.314	6.902	0.067	6.969	6.037	0.024	6.061
MEGHALAYA		5.640	5.640		5.732	5.732		2.524	2.524
ICML		3.221	3.221		3.278	3.278		3.771	3.771
JSPL		5.999	5.999		5.999	5.999		5.989	5.989
MIEL		0.798	0.798		0.905	0.905		1.022	1.022
BLA		0.300	0.300		0.300	0.300		0.300	0.300
HIL		2.254	2.254		2.453	2.453		2.386	2.386
PIL		1.000	1.000		1.000	1.000		1.000	1.000
JNL		0.479	0.479		0.394	0.394		0.777	0.777
JPL		5.088	5.088		6.223	6.223		5.726	5.726
SIL		0.244	0.244		0.159	0.159		0.196	0.196
ESCL	0.069	0.005	0.074	0.366	0.004	0.370	0.112	0.021	0.133
UML		0.564	0.564		0.759	0.759		0.794	0.794
SEML		0.893	0.893		1.117	1.117		1.266	1.266
BSIL		0.019	0.019		0.027	0.027		0.136	0.136
TUML-SVSL		0.367	0.367		0.300	0.300		0.208	0.208
SPL		0.081	0.081		1.845	1.845		9.261	9.261
SOVA		0.086	0.086		0.279	0.279		0.400	0.400
Total Private	7.302	27.119	34.421	7.268	30.841	38.109	6.149	35.801	41.950
ALL INDIA	55.859	511.277	567.136	58.464	513.596	572.060	56.438	547.334	603.772
LIGNITE :									
NLC			25.691			25.991			25.441
GMDCL			10.905			8.398			8.713
GIPCL			3.482			3.249			3.456
RSMMML			1.387			1.428			1.405
GHCL			0.283			0.190			0.193
VSLPPL			0.815			0.839			0.823
BLMCL			3.750			3.802			6.923
ALL INDIA			46.313			43.897			46.954
COAL & LIGNITE			613.449			615.957			650.726

**TABLE 4.9 : DESPATCHES OF RAW COAL AND COAL PRODUCTS (Washed Coal and Middlings)
BY COMPANIES IN 2014-15**

(Quantity in Million Tonnes)

Company	Raw Coal		Washed Coal		Middlings	
	Despatches	Offtake	Despatches	Offtake	Despatches	Offtake
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COAL :						
ECL	38.220	38.469				
BCCL	33.607	33.669	0.425	0.425	1.545	1.545
CCL	55.337	55.338	8.012	8.012	1.096	1.096
NCL	73.518	73.693	3.441	3.441		
WCL	41.240	41.246	0.074	0.074	0.072	0.072
SECL	123.209	123.223				
MCL	122.996	123.001				
NEC	0.733	0.733				
CIL	488.860	489.372	11.952	11.952	2.713	2.713
SCCL	52.662	52.725				
JKML	0.013	0.013				
DVC	0.055	0.055				
IISCO	0.619	0.619	0.530	0.530	0.387	0.387
SAIL	0.025	0.025				
JSMDCL	0.408	0.408				
DVCEMTA	1.006	1.006				
APMDTCL	0.000	0.000				
RRVUNL	3.443	3.443	2.983	2.983		
WBMDTCL	1.111	1.111				
WBPDCCL	6.248	6.248				
PSEB-PANEM	3.454	3.454				
KECML	2.413	2.413				
MPSMCL	1.505	1.505				
PUBLIC	561.822	562.397	15.465	15.465	3.100	3.100
TISCO	6.061	6.062	3.253	3.253	1.794	1.794
MEGHALAYA	2.524	2.524				
ICML	3.771	3.771				
JSPL	5.989	5.989	2.220	2.220	3.868	3.868
HIL	2.386	2.386				
MIEL	1.022	1.022				
BLA	0.300	0.300	0.314	0.314		
PIL	1.000	1.000				
JNL	0.777	0.777				
JPL	5.726	5.726	1.262	1.262		
SIL	0.196	0.196	0.053	0.053		
ESCL	0.133	0.133	0.186	0.186	0.118	0.118
UML	0.794	0.794				
SEML	1.266	1.266	0.325	0.325	0.625	0.625
BSIL	0.136	0.136				
TUML-SVSL	0.208	0.208				
SPL	9.261	9.261				
SOVA	0.400	0.400				
PRIVATE	41.950	41.951	7.613	7.613	6.405	6.405
ALL INDIA	603.772	604.348	23.078	23.078	9.505	9.505

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
2012-13	BCCL					
	CCL					
	WCL					
	DCC		4	2	36	153
	SAIL	8169				
	RINL	2391				
	TISCO	1869				
	TOTAL	12429	4	2	36	153
2013-14	BCCL					
	CCL					
	WCL					
	DCC		3	1	44	208
	SAIL	8461				
	RINL	2320				
	TISCO	1926				
	TOTAL	12707	3	1	44	208
2014-15	BCCL					
	CCL					
	WCL					
	DCC		9	7	30	55
	SAIL	8720				
	RINL	2355				
	TISCO	2879				
	TOTAL	13954	9	7	30	55

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

(Quantity in Million Tonnes)

States	Company	2012-13			2013-14			2014-15		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Arunachal Pradesh	APMDTCL		0.055	0.055		0.000	0.000		0.000	0.000
Assam	NEC		0.618	0.618		0.577	0.577		0.733	0.733
Chhattisgarh	SECL	0.155	106.353	106.508	0.123	107.716	107.839	0.125	110.044	110.169
Chhattisgarh	JSPL		5.999	5.999		5.999	5.999		5.989	5.989
Chhattisgarh	MIEL		0.798	0.798		0.905	0.905		1.022	1.022
Chhattisgarh	PIL		1.000	1.000		1.000	1.000		1.000	1.000
Chhattisgarh	JNL		0.479	0.479		0.394	0.394		0.777	0.777
Chhattisgarh	JPL		5.088	5.088		6.223	6.223		5.726	5.726
Chhattisgarh	SEML		0.893	0.893		1.117	1.117		1.266	1.266
Chhattisgarh	RRVUNL		0.293	0.293		1.197	1.197		3.443	3.443
Chhattisgarh	TOTAL	0.155	120.903	121.058	0.123	124.551	124.674	0.125	129.267	129.392
Jammu & Kashmir	JKML	0.000	0.014	0.014		0.013	0.013		0.013	0.013
Jharkhand	ECL	0.032	17.672	17.704	0.038	17.301	17.339	0.029	18.646	18.675
Jharkhand	BCCL	28.954	4.025	32.979	30.257	2.388	32.645	29.551	3.124	32.675
Jharkhand	CCL	18.479	34.407	52.886	18.679	33.442	52.121	19.359	35.978	55.337
Jharkhand	JSMDCL		0.000	0.000		0.000	0.000		0.408	0.408
Jharkhand	DVC		0.226	0.226		0.045	0.045		0.055	0.055
Jharkhand	IISCO	0.560		0.560	0.541	0.000	0.541	0.420		0.420
Jharkhand	TISCO	7.233	0.081	7.314	6.902	0.067	6.969	6.037	0.024	6.061
Jharkhand	PSEB-PANEM		6.872	6.872		5.852	5.852		3.454	3.454
Jharkhand	UML		0.564	0.564		0.759	0.759		0.794	0.794
Jharkhand	WBPDCCL		0.000	0.000		0.082	0.082		4.007	4.007
Jharkhand	ESCL	0.069	0.005	0.074	0.366	0.004	0.370	0.112	0.021	0.133
Jharkhand	SAIL	0.033	0.064	0.097	0.044	0.031	0.075	0.024	0.001	0.025
Jharkhand	GVK			0.000			0.000			0.000
Jharkhand	TOTAL	55.360	63.916	119.276	56.827	59.971	116.798	55.532	66.512	122.044
Madhya Pradesh	NCL		38.197	38.197		41.085	41.085		44.497	44.497
Madhya Pradesh	WCL	0.317	6.051	6.368	0.268	5.424	5.692	0.232	5.408	5.640
Madhya Pradesh	SECL		15.465	15.465		14.174	14.174		13.040	13.040
Madhya Pradesh	MPSMCL		0.000	0.000		0.000	0.000		1.505	1.505
Madhya Pradesh	BLA		0.300	0.300		0.300	0.300		0.300	0.300
Madhya Pradesh	SPL		0.081	0.081		1.845	1.845		9.261	9.261
Madhya Pradesh	TOTAL	0.317	60.094	60.411	0.268	62.828	63.096	0.232	74.011	74.243
Maharashtra	WCL		35.171	35.171		34.247	34.247		35.600	35.600
Maharashtra	SIL		0.244	0.244		0.159	0.159		0.196	0.196
Maharashtra	KECML		2.515	2.515		2.472	2.472		2.413	2.413
Maharashtra	BSIL		0.019	0.019		0.027	0.027		0.136	0.136
Maharashtra	TUML-SVSL		0.367	0.367		0.300	0.300		0.208	0.208
Maharashtra	TOTAL	0.000	38.316	38.316	0.000	37.205	37.205	0.000	38.553	38.553
Meghalaya	MEGHALAYA		5.640	5.640		5.732	5.732		2.524	2.524
Odisha	MCL		111.959	111.959		114.342	114.342		122.996	122.996
Odisha	HIL		2.254	2.254		2.453	2.453		2.386	2.386
Odisha	TOTAL		114.213	114.213		116.795	116.795		125.382	125.382
Telangana	SCCL		52.025	52.025		47.892	47.892		52.662	52.662
Uttar Pradesh	NCL		28.824	28.824		30.807	30.807		29.021	29.021
West Bengal	ECL	0.011	17.829	17.840	0.007	18.628	18.635	0.007	19.538	19.545
West Bengal	BCCL	0.016	0.002	0.018	1.239	0.174	1.413	0.542	0.390	0.932
West Bengal	IISCO		0.156	0.156		0.081	0.081		0.199	0.199
West Bengal	WBPDCCL		3.256	3.256		2.528	2.528		2.241	2.241
West Bengal	ICML		3.221	3.221		3.278	3.278		3.771	3.771
West Bengal	DVCEMTA		1.844	1.844		1.523	1.523		1.006	1.006
West Bengal	WBMDTCL		0.265	0.265		0.734	0.734		1.111	1.111
West Bengal	SOVA		0.086	0.086		0.279	0.279		0.400	0.400
West Bengal	TOTAL	0.027	26.659	26.686	1.246	27.225	28.471	0.549	28.656	29.205
Total Public		48.557	484.158	532.715	51.196	482.755	533.951	50.289	511.533	561.822
Total Private		7.302	27.119	34.421	7.268	30.841	38.109	6.149	35.801	41.950
All India		55.859	511.277	567.136	58.464	513.596	572.060	56.438	547.334	603.772

TABLE 4.12: GRADEWISE DESPATCHES OF COKING COAL BY COMPANIES DURING 2014-15
(Quantity in Million Tonnes)

Companies	DESPATCHES OF COKING COAL										
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	SLV1	Met.Coal	Non Met	Total Coking
ECL			0.007			0.029			0.007	0.029	0.036
BCCL	0.052	0.327		0.102	1.190	7.694	20.728		2.145	27.948	30.093
CCL					0.029	3.453	15.877		4.321	15.038	19.359
NCL											0.000
WCL					0.232				0.198	0.034	0.232
SECL			0.125							0.125	0.125
MCL											0.000
NEC											0.000
CIL	0.052	0.327	0.132	0.102	1.451	11.176	36.605	0.000	6.671	43.174	49.845
SCCL											0.000
JKML											0.000
DVC											0.000
IISCO						0.092	0.328		0.420	0.000	0.420
SAIL							0.024		0.024	0.000	0.024
JSMDCL											0.000
DVCEMTA											0.000
APMDTCL											0.000
RRVUNL											0.000
WBMDTCL											0.000
WBPDC											0.000
PSEB-PANEM											0.000
KECML											0.000
MPSMCL											0.000
PUBLIC	0.052	0.327	0.132	0.102	1.451	11.268	36.957	0.000	7.115	43.174	50.289
TISCO					0.242	0.909	4.886		6.037	0	6.037
MEG											0.000
ICML											0.000
JSPL											0.000
HIL											0.000
MIEL											0.000
BLA											0.000
PIL											0.000
JNL											0.000
JPL											0.000
SIL											0.000
ESCL							0.112		0.112	0	0.112
UML											0.000
SEML											0.000
BSIL											0.000
TUML-SVSL											0.000
SPL											0.000
SOVA											0.000
PRIVATE	0.000	0.000	0.000	0.000	0.242	0.909	4.998	0.000	6.149	0.000	6.149
India(14-15)	0.052	0.327	0.132	0.102	1.693	12.177	41.955	0.000	13.264	43.174	56.438

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 2014-15

(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	UNG			
ECL		0.093	1.468	13.477	4.532	1.465	1.892	0.236			15.021									38.184	38.220
BCCL		0.111	0.239	0.033	0.142	1.720	1.107	0.107	0.055											3.514	33.607
CCL			0.050	0.181	1.894	0.578	0.877	4.604	13.576	7.959	6.259									35.978	55.337
NCL					0.914	0.202	17.291	9.118		45.663				0.330						73.518	73.518
WCL				0.009	0.400	1.379	2.966	8.682	25.335	2.237										41.008	41.240
SECL			2.941	4.604	7.381	6.340	3.771	1.178	0.367	1.304	86.253	8.945								123.084	123.209
MCL					0.160			0.712	0.182	2.193	10.757	66.992	42.000							122.996	122.996
NEC	0.248	0.417		0.068																0.733	0.733
CIL	0.248	0.621	4.698	18.372	15.423	11.684	27.904	24.637	39.515	59.356	118.290	75.937	42.000	0.330	0.000	0.000	0.000	0.000	0.000	439.015	488.860
SCCL					0.730		8.358	0.590	9.811	7.261	10.644		12.393	1.424	1.104	0.347				52.662	52.662
JKML																	0.013			0.013	0.013
DVC				0.055																0.055	0.055
IISCO				0.038		0.161														0.199	0.619
SAIL												0.001								0.001	0.025
JSMDCL												0.408								0.408	0.408
DVCEMTA						0.302	0.704													1.006	1.006
APMDTCL																				0.000	0.000
RRVUNL												3.443								3.443	3.443
WBMDTCL				0.968	0.143															1.111	1.111
WBPDCCL				0.214		6.034														6.248	6.248
PSEB-PANEM						1.209	1.727	0.518												3.454	3.454
KECML								2.413												2.413	2.413
MPSMCL											1.505									1.505	1.505
PUBLIC	0.248	0.621	4.698	19.647	16.296	19.390	38.693	28.158	49.326	66.617	133.882	76.346	54.393	0.330	1.424	1.104	0.360	0.000	511.533	561.822	
TISCO						0.002		0.007				0.015								0.024	6.061
MEG	2.524																			2.524	2.524
ICML											3.771									3.771	3.771
JSPL												1.374		2.022		2.593				5.989	5.989
HIL												1.604	0.782							2.386	2.386
MIEL								0.503				0.519								1.022	1.022
BLA							0.012	0.158		0.130										0.300	0.300
PIL									1.000											1.000	1.000
JNL									0.082	0.361		0.334								0.777	0.777
JPL												1.332	1.262	2.657		0.475				5.726	5.726
SIL								0.196												0.196	0.196
ESCL																			0.021	0.021	0.133
UML						0.794														0.794	0.794
SEML												0.642	0.436			0.188				1.266	1.266
BSIL												0.136								0.136	0.136
TUML-SVSL											0.208									0.208	0.208
SPL									9.261											9.261	9.261
SOVA							0.261	0.139												0.400	0.400
PRIVATE	2.524	0.000	0.000	0.000	0.000	0.796	0.012	1.125	1.221	9.752	3.979	5.956	1.262	3.875	2.022	0.475	2.781	0.021	35.801	41.950	
India(14-15)	2.772	0.621	4.698	19.647	16.296	20.186	38.705	29.283	50.547	76.369	137.861	82.302	55.655	4.205	3.446	1.579	3.141	0.021	547.334	603.772	

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 2014-15

(Quantity in Million Tonnes)

Grade	Arunachal Pradesh	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Madhya Pradesh	Maharashtra	Meghalaya	Odisha	Telangana	Uttar Pradesh	West Bengal	India 2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Steel-I					0.042							0.010	0.052
Steel-II					0.327								0.327
SC-I			0.125		0.000							0.007	0.132
Wash-I					0.102								0.102
Wash-II					1.159	0.232						0.302	1.693
Wash-III					11.947							0.230	12.177
Wash-IV					41.955								41.955
SLV1					0.000								0.000
Met. Coal					12.747	0.198						0.549	13.494
Non Met	0.000	0.000	0.125	0.000	42.785	0.034	0.000	0.000	0.000	0.000	0.000	0.000	42.944
Tot Ckg.	0.000	0.000	0.125	0.000	55.532	0.232	0.000	0.000	0.000	0.000	0.000	0.549	56.438
G1		0.248			0.000			2.524					2.772
G2		0.417			0.111							0.093	0.621
G3		0.000	1.399		0.515	1.542						1.242	4.698
G4		0.068	3.028		0.386	1.585						14.580	19.647
G5			5.425		3.411	2.997	0.191		0.160	0.730	0.082	3.300	16.296
G6			1.375		9.091	5.684	0.660			0.000	0.202	3.174	20.186
G7			0.770		4.211	22.391	0.879			8.358		2.096	38.705
G8			1.681		5.472	1.620	9.829		0.712	0.590	9.118	0.261	29.283
G9			1.449		13.631	0.922	24.413		0.182	9.811		0.139	50.547
G10			1.665		7.959	35.435	2.237		2.193	7.261	19.619		76.369
G11			89.696		21.280	1.505	0.208		10.757	10.644		3.771	137.861
G12			13.146		0.424		0.136		68.596	0.000			82.302
G13			1.262						42.000	12.393			55.655
G14			3.093			0.330			0.782	0.000			4.205
G15			2.022							1.424			3.446
G16			0.475							1.104			1.579
G17			2.781	0.013						0.347			3.141
UNG					0.021					0.000			0.021
Tot. Nckg	0.000	0.733	129.267	0.013	66.512	74.011	38.553	2.524	125.382	52.662	29.021	28.656	547.334
Total Coal	0.000	0.733	129.392	0.013	122.044	74.243	38.553	2.524	125.382	52.662	29.021	29.205	603.772

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	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	New Grade	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		(10)	(10)	(12)
COKING COAL	Steel-I	0.130	0.133	0.089	0.064	0.091	0.224	0.092	Steel-I	0.075	0.071	0.052
	Steel-II	0.976	0.512	0.280	0.871	1.057	1.226	1.271	Steel-II	1.671	0.898	0.327
	SC-1	0.188	0.188	0.178	0.171	0.158	0.170	0.204	SC-1	0.166	0.130	0.132
	Wash-I	0.228	0.275	0.462	0.309	0.291	0.193	0.185	Wash-I	0.297	0.190	0.102
	Wash-II	4.490	3.242	2.106	2.551	1.756	1.601	1.816	Wash-II	1.812	1.921	1.693
	Wash-III	5.742	6.893	7.212	7.841	9.114	10.432	13.730	Wash-III	13.335	13.582	12.177
	Wash-IV	18.586	20.600	23.014	23.865	30.000	35.081	34.425	Wash-IV	38.500	41.563	41.955
	SLV1	0.197	0.084	0.202	0.052	0.002	0.023	0.000	SLV1	0.003	0.109	0.000
	Met.Coal	16.495	16.334	16.438	15.061	15.144	16.075	15.903	Met.Coal	14.730	15.236	13.264
	Non Met	14.042	15.593	17.105	20.663	27.325	32.875	35.820	Non Met	41.129	43.228	43.174
Total Coking		30.537	31.927	33.543	35.724	42.469	48.950	51.723		55.859	58.464	56.438
NON - COKING COAL	A	4.360	4.825	4.650	4.023	10.266	11.772	14.678	G1	5.864	6.130	2.772
	B	23.556	23.524	24.717	26.024	27.689	25.648	60.175	G2	0.522	0.264	0.621
	C	48.680	52.197	53.177	46.101	53.242	54.760	28.050	G3	4.985	4.747	4.698
	D	43.215	42.543	47.928	53.338	52.679	49.524	51.887	G4	19.14	21.944	19.647
	E	90.436	93.693	101.850	117.612	118.933	117.677	106.834	G5	17.431	16.537	16.296
	F	142.501	157.304	174.411	191.143	205.325	207.576	197.845	G6	20.787	16.314	20.186
	SLV	6.501	7.652	6.375	8.833	2.712			G7	35.934	36.620	38.705
	G				0.437		6.075	13.386	G8	27.198	31.275	29.283
									G9	71.963	54.287	50.547
									G10	64.307	64.193	76.369
									G11	110.285	119.125	137.861
									G12	57.847	76.740	82.302
									G13	62.881	50.900	55.655
									G14	3.079	4.112	4.205
								G15	3.177	3.359	3.446	
								G16	1.476	2.480	1.579	
								G17	4.401	4.523	3.141	
Ungr	5.801	6.135	6.916	5.937	0.477	1.483	10.721			0.046	0.021	
Total Non Coking		365.050	387.873	420.024	453.448	471.323	474.515	483.576		511.277	513.596	547.334
TOTAL COAL		395.587	419.800	453.567	489.172	513.792	523.465	535.299		567.136	572.060	603.772

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 2014-15
(Quantity in Million Tonnes)

Company	Raw Coal/Coal Product	YEAR 2014-15 (External)							YEAR 2014-15 (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	25.538	1.639				11.043	38.220							0.000	38.220
BCCL	RC	26.766	5.185					31.951	0.677	0.979					1.656	33.607
BCCL	CP	1.942	0.028					1.970							0.000	1.970
CCL	RC	26.223	18.304					44.527		10.810					10.810	55.337
CCL	CP	9.014	0.094					9.108							0.000	9.108
NCL	RC	25.188	9.256				35.633	70.077		3.441					3.441	73.518
NCL	CP	3.441						3.441							0.000	3.441
WCL	RC	22.719	14.619	0.971	2.381	0.401		41.091						0.149	0.149	41.240
WCL	CP	0.146						0.146							0.000	0.146
SECL	RC	43.639	45.206	6.539		24.824	3.001	123.209							0.000	123.209
MCL	RC	81.260	25.152	1.418		15.166		122.996							0.000	122.996
NEC	RC	0.619	0.114					0.733							0.000	0.733
CIL	RC	251.952	119.475	8.928	2.381	87.067	3.001	472.804	0.677	15.230	0.000	0.000	0.000	0.149	16.056	488.860
CIL	CP	14.543	0.122	0.000	0.000	0.000	0.000	14.665	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.665
SCCL	RC	30.725	9.840		0.448	7.581	4.068	52.662							0.000	52.662
JKML	RC		0.013					0.013							0.000	0.013
DVC	RC		0.055					0.055							0.000	0.055
IISCO	RC		0.199					0.199		0.169	0.159	0.092			0.420	0.619
IISCO	CP	0.917						0.917							0.000	0.917
SAIL	RC	0.001	0.024					0.025							0.000	0.025
JSMDCL	RC		0.408					0.408							0.000	0.408
DVCEMTA	RC		1.006					1.006							0.000	1.006
APMDTCL	RC							0.000							0.000	0.000
RRVUNL	RC							0.000		3.443					3.443	3.443
RRVUNL	CP		2.983					2.983							0.000	2.983
WBMDCCL	RC		1.111					1.111							0.000	1.111
WBPDCCL	RC	6.039	0.209					6.248							0.000	6.248
PSEB-PANEM	RC	3.454						3.454							0.000	3.454
KECML	RC	2.413						2.413							0.000	2.413
MPSMCL	RC	1.505						1.505							0.000	1.505
PUBLIC	RC	296.089	132.340	8.928	2.829	94.648	7.069	541.903	0.677	18.842	0.159	0.092	0.000	0.149	19.919	561.822
PUBLIC	CP	15.460	3.105	0.000	0.000	0.000	0.000	18.565	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.565
TISCO	RC							0.000		0.324	4.220	1.517			6.061	6.061
TISCO	CP	5.047						5.047							0.000	5.047
MEG	RC		2.524					2.524							0.000	2.524
ICML	RC		3.771					3.771							0.000	3.771
JSPL	RC							0.000		0.269	5.720				5.989	5.989
JSPL	CP		6.088					6.088							0.000	6.088
HIL	RC		2.386					2.386							0.000	2.386
MIEL	RC	0.080	0.942					1.022							0.000	1.022
BLA	RC							0.000		0.300					0.300	0.300
BLA	CP		0.314					0.314							0.000	0.314
PIL	RC		1.000					1.000							0.000	1.000
JNL	RC	0.089	0.688					0.777							0.000	0.777
JPL	RC				5.726			5.726							0.000	5.726
JPL	CP				1.262			1.262							0.000	1.262
SIL	RC	0.186	0.010					0.196							0.000	0.196
SIL	CP	0.053						0.053							0.000	0.053
ESCL	RC		0.133					0.133							0.000	0.133
ESCL	CP		0.304					0.304							0.000	0.304
UML	RC	0.687	0.107					0.794							0.000	0.794
SEML	RC		0.503					0.503		0.763					0.763	1.266
SEML	CP	0.118	0.832					0.950							0.000	0.950
BSIL	RC		0.136					0.136							0.000	0.136
TUML-SVSL	RC		0.208					0.208							0.000	0.208
SPL	RC		9.261					9.261							0.000	9.261
SOVA	RC		0.400					0.400							0.000	0.400
PRIVATE	RC	1.042	22.069	5.726	0.000	0.000	0.000	28.837	0.000	1.656	9.940	1.517	0.000	0.000	13.113	41.950
PRIVATE	CP	5.218	7.538	1.262	0.000	0.000	0.000	14.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	14.018
ALL INDIA	RC	297.131	154.409	14.654	2.829	94.648	7.069	570.740	0.677	20.498	10.099	1.609	0.000	0.149	33.032	603.772
ALL INDIA	CP	20.678	10.643	1.262	0.000	0.000	0.000	32.583	0.000	0.000	0.000	0.000	0.000	0.000	0.000	32.583

TABLE 4.16: COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS (INCLUDING WASHERIES) DURING 2014-15

(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	35.103	0.090	0.007	0.029		0.034	0.364	0.080		0.134		0.016	0.058	0.002	0.014	2.289	38.220	0.249		38.469
BCCL	27.329	0.105	0.092	0.749	0.002				0.964							4.366	33.607	0.053	0.009	33.669
CCL	33.409	1.437	0.632	3.529	0.143	7.281			0.234	0.723		0.029				7.920	55.337	0.001		55.338
NCL	65.396	4.257						0.131		0.099	0.257					3.378	73.518	0.175		73.693
WCL	30.950	1.650	0.198		0.034			1.863		0.395		0.106	0.475	0.080		5.489	41.240	0.006		41.246
SECL	98.128	4.154	0.125					3.579	1.071	2.761		0.007	0.219	0.039		13.126	123.209	0.014		123.223
MCL	87.717	16.065						0.432	0.024	3.414	0.210	0.006	0.148			14.980	122.996	0.005		123.001
NEC	0.364							0.018					0.003			0.348	0.733			0.733
CIL	378.396	27.758	1.054	4.307	0.179	7.315	0.364	6.103	2.293	7.526	0.467	0.164	0.903	0.121	0.014	51.896	488.860	0.503	0.009	489.372
SCCL	39.203	2.551						4.881		0.345		0.243	0.715	0.292	0.014	4.418	52.662	0.063		52.725
JKML								0.002						0.001	0.010		0.013			0.013
DVC		0.055															0.055			0.055
IISCO				0.420			0.137									0.062	0.619			0.619
SAIL		0.001		0.024													0.025			0.025
JSMDCCL	0.150							0.070		0.150					0.038		0.408			0.408
DVCEMTA		1.006															1.006			1.006
APMDTCL																	0.000			0.000
RRVUNL						3.443											3.443			3.443
WBDTCL	0.660							0.001		0.199			0.030	0.001	0.015	0.205	1.111			1.111
WBPDCCL		6.248															6.248			6.248
PSEB-PANEM		3.454															3.454			3.454
KECML		2.413															2.413			2.413
MPSMCL	1.505																1.505			1.505
PUBLIC	419.914	43.486	1.054	4.751	0.179	10.758	0.501	11.057	2.293	8.220	0.467	0.407	1.648	0.415	0.091	56.581	561.822	0.566	0.009	562.397
TISCO				6.037		0.024											6.061	0.001		6.062
MEG															2.524		2.524			2.524
ICML	3.771																3.771			3.771
JSPL						5.720				0.269							5.989			5.989
HIL		2.386															2.386			2.386
MIEL		1.022															1.022			1.022
BLA						0.300											0.300			0.300
PIL										1.000							1.000			1.000
JNL										0.777							0.777			0.777
JPL		5.726															5.726			5.726
SIL		0.061								0.135							0.196			0.196
ESCL		0.099								0.034							0.133			0.133
UML										0.794							0.794			0.794
SEML		0.172				0.763				0.331							1.266			1.266
BSIL										0.136							0.136			0.136
TUML-SVSL						0.208											0.208			0.208
SPL		9.261															9.261			9.261
SOVA		0.050								0.350							0.400			0.400
PRIVATE	3.771	18.777	0.000	6.037	0.000	7.015	0.000	0.000	0.000	3.826	0.000	0.000	0.000	0.000	0.000	2.524	41.950	0.001	0.000	41.951
ALL INDIA	423.685	62.263	1.054	10.788	0.179	17.773	0.501	11.057	2.293	12.046	0.467	0.407	1.648	0.415	0.091	59.105	603.772	0.567	0.009	604.348

TABLE 4.17 : COMPANYWISE OFF-TAKE OF LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2014-15

(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		3.456															3.456			3.456
GMDCL		3.126						0.318	0.005			0.326	0.557	2.841	0.658	0.882	8.713			8.713
GHCL		0.193															0.193			0.193
NLCL	22.594	1.900					0.023	0.755				0.007	0.093	0.001	0.013	0.055	25.441			25.441
RSMML	0.458							0.201	0.041					0.045		0.660	1.405			1.405
VSLPPL		0.823															0.823			0.823
BLMCL		6.923															6.923			6.923
TOTAL	23.052	16.421	0.000	0.000	0.000	0.000	0.023	1.274	0.046	0.000	0.000	0.333	0.650	2.887	0.671	1.597	46.954	0.000	0.000	46.954

TABLE 4.18 : COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS DURING 2014-15

(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	35.137	0.090	0.007	0.029	0.364	0.080		0.134		0.016	0.058	0.002	0.014	2.289	38.220	0.249		38.469
BCCL	27.329	0.105	0.092	0.751			0.964							4.366	33.607	0.053	0.009	33.669
CCL	40.690	1.437	0.632	3.672			0.234	0.723		0.029				7.920	55.337	0.001		55.338
NCL	65.396	4.257				0.131		0.099	0.257					3.378	73.518	0.175		73.693
WCL	30.950	1.650	0.198	0.034		1.863		0.395		0.106	0.475	0.080		5.489	41.240	0.006		41.246
SECL	98.128	4.154	0.125			3.579	1.071	2.761		0.007	0.219	0.039		13.126	123.209	0.014		123.223
MCL	87.717	16.065				0.432	0.024	3.414	0.210	0.006	0.148			14.980	122.996	0.005		123.001
NEC	0.364					0.018					0.003			0.348	0.733			0.733
CIL	385.711	27.758	1.054	4.486	0.364	6.103	2.293	7.526	0.467	0.164	0.903	0.121	0.014	51.896	488.860	0.503	0.009	489.372
SCCL	39.203	2.551				4.881		0.345		0.243	0.715	0.292	0.014	4.418	52.662	0.063		52.725
JKML						0.002						0.001	0.010		0.013			0.013
DVC		0.055													0.055			0.055
IISCO				0.420	0.137									0.062	0.619			0.619
SAIL		0.001		0.024											0.025			0.025
JSMDCL	0.150					0.070		0.150					0.038		0.408			0.408
DVCEMTA		1.006													1.006			1.006
APMDTCL																		
RRVUNL	3.443														3.443			3.443
WBMDTCL	0.660					0.001		0.199			0.030	0.001	0.015	0.205	1.111			1.111
WBPDCCL		6.248													6.248			6.248
PSEB-PANEM		3.454													3.454			3.454
KECML		2.413													2.413			2.413
MPSMCL	1.505														1.505			1.505
PUBLIC	430.672	43.486	1.054	4.930	0.501	11.057	2.293	8.220	0.467	0.407	1.648	0.415	0.091	56.581	561.822	0.566	0.009	562.397
TISCO	0.024			6.037											6.061	0.001		6.062
MEG														2.524	2.524			2.524
ICML	3.771														3.771			3.771
JSPL								5.989							5.989			5.989
HIL		2.386													2.386			2.386
MIEL		1.022													1.022			1.022
BLA						0.300									0.300			0.300
PIL								1.000							1.000			1.000
JNL								0.777							0.777			0.777
JPL		5.726													5.726			5.726
SIL		0.061						0.135							0.196			0.196
ESCL		0.099						0.034							0.133			0.133
UML								0.794							0.794			0.794
SEML	0.763	0.172						0.331							1.266			1.266
BSIL								0.136							0.136			0.136
TUML-SVSL	0.208														0.208			0.208
SPL		9.261													9.261			9.261
SOVA		0.050						0.350							0.400			0.400
PRIVATE	4.766	18.777	0.000	6.037	0.000	0.300	0.000	9.546	0.000	0.000	0.000	0.000	0.000	2.524	41.950	0.001	0.000	41.951
ALL INDIA	435.438	62.263	1.054	10.967	0.501	11.357	2.293	17.766	0.467	0.407	1.648	0.415	0.091	59.105	603.772	0.567	0.009	604.348

TABLE-4.19 : SECTORWISE OFFTAKE OF COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION - COMPANYWISE IN 2014-15

(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			0.007	0.029											0.036			0.036
ECL	TOT	0.000	0.000	0.007	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036	0.000	0.000	0.036
BCCL	RCE	24.051	0.104	0.092	0.749			0.900							4.197	30.093	0.048	0.009	30.150
BCCL	WC			0.425	0.000											0.425			0.425
BCCL	MID	0.644	0.901		0.000											1.545			1.545
BCCL	TOT	24.695	1.005	0.517	0.749	0.000	0.000	0.900	0.000	0.000	0.000	0.000	0.000	0.000	4.197	32.063	0.048	0.009	32.120
CCL	RCE	12.515		0.632	3.672										2.540	19.359			19.359
CCL	WC				1.612											1.612			1.612
CCL	MID	0.387	0.709		0.000											1.096			1.096
CCL	TOT	12.902	0.709	0.632	5.284	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.540	22.067	0.000	0.000	22.067
WCL	RCE			0.198	0.034											0.232			0.232
WCL	WC				0.074											0.074			0.074
WCL	MID	0.072			0.000											0.072			0.072
WCL	TOT	0.072	0.000	0.198	0.108	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.378	0.000	0.000	0.378
SECL	RCE			0.125	0.000											0.125			0.125
SECL	TOT	0.000	0.000	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.125	0.000	0.000	0.125
CIL	RCE	36.566	0.104	1.054	4.484	0.000	0.000	0.900	0.000	0.000	0.000	0.000	0.000	0.000	6.737	49.845	0.048	0.009	49.902
CIL	WC	0.000	0.000	0.425	1.686	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.111	0.000	0.000	2.111
CIL	MID	1.103	1.610	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.713	0.000	0.000	2.713
CIL	TOT	37.669	1.714	1.479	6.170	0.000	0.000	0.900	0.000	0.000	0.000	0.000	0.000	0.000	6.737	54.669	0.048	0.009	54.726
IISCO	RCE				0.420											0.420			0.420
IISCO	WC				0.530											0.530			0.530
IISCO	MID		0.386		0.000										0.001	0.387			0.387
IISCO	TOT	0.000	0.386	0.000	0.950	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	1.337	0.000	0.000	1.337
SAIL	RCE				0.024											0.024			0.024
SAIL	TOT	0.000	0.000	0.000	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.000	0.024
PUBLIC	RCE	36.566	0.104	1.054	4.928	0.000	0.000	0.900	0.000	0.000	0.000	0.000	0.000	0.000	6.737	50.289	0.048	0.009	50.346
PUBLIC	WC	0.000	0.000	0.425	2.216	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.641	0.000	0.000	2.641
PUBLIC	MID	1.103	1.996	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	3.100	0.000	0.000	3.100
PUBLIC	TOT	37.669	2.100	1.479	7.144	0.000	0.000	0.900	0.000	0.000	0.000	0.000	0.000	0.000	6.738	56.030	0.048	0.009	56.087
TISCO	RCE				6.037											6.037	0.001		6.038
TISCO	WC				3.253											3.253			3.253
TISCO	MID	1.724	0.043		0.027											1.794			1.794
TISCO	TOT	1.724	0.043	0.000	9.317	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.084	0.001	0.000	11.085
ESCL	RCE		0.099		0.000				0.013							0.112			0.112
ESCL	WC				0.186											0.186			0.186
ESCL	MID		0.054		0.000				0.064							0.118			0.118
ESCL	TOT	0.000	0.153	0.000	0.186	0.000	0.000	0.000	0.077	0.000	0.000	0.000	0.000	0.000	0.000	0.416	0.000	0.000	0.416
PRIVATE	RCE	0.000	0.099	0.000	6.037	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.000	6.149	0.001	0.000	6.150
PRIVATE	WC	0.000	0.000	0.000	3.439	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.439	0.000	0.000	3.439
PRIVATE	MID	1.724	0.097	0.000	0.027	0.000	0.000	0.000	0.064	0.000	0.000	0.000	0.000	0.000	0.000	1.912	0.000	0.000	1.912
PRIVATE	TOT	1.724	0.196	0.000	9.503	0.000	0.000	0.000	0.077	0.000	0.000	0.000	0.000	0.000	0.000	11.500	0.001	0.000	11.501
ALL INDIA	RCE	36.566	0.203	1.054	10.965	0.000	0.000	0.900	0.013	0.000	0.000	0.000	0.000	0.000	6.737	56.438	0.049	0.009	56.496
ALL INDIA	WC	0.000	0.000	0.425	5.655	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.080	0.000	0.000	6.080
ALL INDIA	MID	2.827	2.093	0.000	0.027	0.000	0.000	0.000	0.064	0.000	0.000	0.000	0.000	0.000	0.001	5.012	0.000	0.000	5.012
ALL INDIA	TOT	39.393	2.296	1.479	16.647	0.000	0.000	0.900	0.077	0.000	0.000	0.000	0.000	0.000	6.738	67.530	0.049	0.009	67.588

TABLE-4.20: SECTORWISE OFFTAKE OF NON-COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION-COMPANYWISE IN 2014-15

(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 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)	(20)		
TISCO	RCE	0.024														0.024			0.024		
TISCO	TOT	0.024	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	0.024	0.000	0.000	0.024		
MEG	RCE															2.524			2.524		
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	2.524	2.524	0.000	0.000	2.524		
ICML	RCE	3.771														3.771			3.771		
ICML	TOT	3.771	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.771	0.000	0.000	3.771		
JSPL	RCE															5.989			5.989		
JSPL	WC	0.038														2.220			2.220		
JSPL	MID	3.868														3.868			3.868		
JSPL	TOT	0.000	3.906	0.000	0.000	0.000	0.000	0.000	8.171	0.000	0.000	0.000	0.000	0.000	0.000	12.077	0.000	0.000	12.077		
HIL	RCE	2.386														2.386			2.386		
HIL	TOT	0.000	2.386	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.386	0.000	0.000	2.386		
MIEL	RCE	1.022														1.022			1.022		
MIEL	TOT	0.000	1.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.022	0.000	0.000	1.022		
BLA	RCE															0.300			0.300		
BLA	WC	0.226														0.314	0.001		0.315		
BLA	TOT	0.226	0.000	0.000	0.000	0.000	0.388	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.614	0.000	0.001	0.615		
PIL	RCE															1.000			1.000		
PIL	TOT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	1.000	0.000	0.000	1.000		
JNL	RCE															0.777			0.777		
JNL	TOT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.777	0.000	0.000	0.000	0.000	0.000	0.000	0.777	0.000	0.000	0.777		
JPL	RCE	5.726														5.726			5.726		
JPL	WC	1.262														1.262			1.262		
JPL	TOT	6.988														6.988			6.988		
SIL	RCE	0.061														0.135			0.196		
SIL	WC															0.053			0.053		
SIL	TOT	0.000	0.061	0.000	0.000	0.000	0.000	0.000	0.188	0.000	0.000	0.000	0.000	0.000	0.000	0.249	0.000	0.000	0.249		
ESCL	RCE															0.021			0.021		
ESCL	TOT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.021		
UML	RCE															0.794			0.794		
UML	TOT	0.794														0.794			0.794		
SEML	RCE	0.172														1.094			1.266		
SEML	WC															0.325			0.325		
SEML	MID	0.488	0.137															0.625			0.625
SEML	TOT	0.488	0.309	0.000	0.000	0.000	0.000	0.000	1.419	0.000	0.000	0.000	0.000	0.000	0.000	2.216	0.000	0.000	2.216		
BSIL	RCE															0.136			0.136		
BSIL	TOT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.136	0.000	0.000	0.000	0.000	0.000	0.000	0.136	0.000	0.000	0.136		
TUML-SVSL	RCE	0.208														0.208			0.208		
TUML-SVSL	TOT	0.208	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	0.208	0.000	0.000	0.208		
SPL	RCE	9.261														9.261			9.261		
SPL	TOT	0.000	9.261	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.261	0.000	0.000	9.261		
SOVA	RCE	0.050														0.350			0.400		
SOVA	TOT	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.350	0.000	0.000	0.000	0.000	0.000	0.000	0.400	0.000	0.000	0.400		
PRIVATE	RCE	4.003	18.678	0.000	0.000	0.000	0.300	0.000	10.296	0.000	0.000	0.000	0.000	0.000	2.524	35.801	0.000	0.000	35.801		
PRIVATE	WC	0.226	1.300	0.000	0.000	0.000	0.088	0.000	2.560	0.000	0.000	0.000	0.000	0.000	0.000	4.174	0.000	0.001	4.175		
PRIVATE	MID	0.488	4.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.493	0.000	0.000	4.493		
PRIVATE	TOT	4.717	23.983	0.000	0.000	0.000	0.388	0.000	12.856	0.000	0.000	0.000	0.000	0.000	2.524	44.468	0.000	0.001	44.469		
ALL India	RCE	398.109	62.060	0.000	0.002	0.501	11.357	1.393	18.516	0.467	0.407	1.648	0.415	0.091	52.368	547.334	0.518	0.000	547.852		
ALL India	WC	9.562	4.788	0.000	0.000	0.000	0.088	0.000	2.560	0.000	0.000	0.000	0.000	0.000	0.000	16.998	0.000	0.001	16.999		
ALL India	MID	0.488	4.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.493	0.000	0.000	4.493		
ALL India	TOT	408.159	70.853	0.000	0.002	0.501	11.445	1.393	21.076	0.467	0.407	1.648	0.415	0.091	52.368	568.825	0.518	0.001	569.344		

TABLE-4.21: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDLINGS FOR FINAL CONSUMPTION TO DIFFERENT STATES: 2014-15

(Quantity in Million Tonnes)

COMPANY	Type 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	Cokeeries														
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
An. Pradesh	Raw Coal (FC)	22.109	1.820						0.122	0.060	0.134			0.004	1.995	26.244	0.063		26.307
An. Pradesh	Washed Coal															0.000			0.000
An. Pradesh	Tot Coal (FC)	22.109	1.820						0.122	0.060	0.134			0.004	1.995	26.244	0.063		26.307
Aru. Pradesh	Raw Coal (FC)														0.001	0.001			0.001
Aru. Pradesh	Tot Coal (FC)														0.001	0.001			0.001
Assam	Raw Coal (FC)						0.018				0.003				0.109	0.130			0.130
Assam	Tot Coal (FC)						0.018				0.003				0.109	0.130			0.130
Bihar	Raw Coal (FC)	3.046		0.014						0.009					0.661	3.730			3.730
Bihar	Tot Coal (FC)	3.046		0.014						0.009					0.661	3.730			3.730
Chhattisgarh	Raw Coal (FC)	42.434	8.686	0.102		0.366	1.520		5.154		0.022				0.138	58.422	0.001		58.423
Chhattisgarh	Washed Coal		1.300	0.010					2.507							3.817			3.817
Chhattisgarh	Middlings	0.488	4.066													4.554			4.554
Chhattisgarh	Tot Coal (FC)	42.922	14.052	0.102	0.010	0.366	1.520		7.661		0.022				0.138	66.793	0.001		66.794
Delhi	Raw Coal (FC)	4.235	0.039				0.030				0.034				0.083	4.421			4.421
Delhi	Washed Coal	0.822														0.822			0.822
Delhi	Middlings	0.004														0.004			0.004
Delhi	Tot Coal (FC)	5.061	0.039				0.030				0.034				0.083	5.247			5.247
Goa	Raw Coal (FC)		0.005						0.037							0.042			0.042
Goa	Tot Coal (FC)		0.005						0.037							0.042			0.042
Gujarat	Raw Coal (FC)	19.617	0.485				0.012	0.789		0.072	0.004	0.026			0.196	21.201			21.201
Gujarat	Tot Coal (FC)	19.617	0.485				0.012	0.789		0.072	0.004	0.026			0.196	21.201			21.201
Haryana	Raw Coal (FC)	13.944						0.362							0.043	14.349			14.349
Haryana	Washed Coal	0.039														0.039			0.039
Haryana	Middlings	0.204														0.204			0.204
Haryana	Tot Coal (FC)	14.187						0.362							0.043	14.592			14.592
H.Pradesh	Raw Coal (FC)						0.214									0.214			0.214
H.Pradesh	Tot Coal (FC)						0.214									0.214			0.214
J&K	Raw Coal (FC)						0.023				0.009	0.001	0.011		0.012	0.056			0.056
J&K	Tot Coal (FC)						0.023				0.009	0.001	0.011		0.012	0.056			0.056
Jharkhand	Raw Coal (FC)	24.157	1.617	0.494	0.750		0.011		1.295	0.005					7.162	35.491	0.063	0.010	35.564
Jharkhand	Washed Coal	0.300	0.505	2.426											0.001	3.232			3.232
Jharkhand	Middlings	1.935	1.219												0.001	3.155			3.155
Jharkhand	Tot Coal (FC)	26.392	3.341	0.494	3.176		0.011		1.295	0.005					7.164	41.878	0.063	0.010	41.951
Kerala	Raw Coal (FC)										0.073				0.027	0.100			0.100
Kerala	Tot Coal (FC)										0.073				0.027	0.100			0.100
Karnataka	Raw Coal (FC)	9.359	0.860				0.112			0.008	0.206	0.182			1.719	12.446			12.446
Karnataka	Tot Coal (FC)	9.359	0.860				0.112			0.008	0.206	0.182			1.719	12.446			12.446
Maharashtra	Raw Coal (FC)	46.147	0.895				1.669		0.675	0.022	0.275	0.126			4.851	54.660	0.004		54.664
Maharashtra	Washed Coal														0.064	0.064			0.064
Maharashtra	Tot Coal (FC)	46.147	0.895				1.669		0.675	0.022	0.275	0.126			4.915	54.724	0.004		54.728

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TABLE-4.21: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDINGS FOR FINAL CONSUMPTION TO DIFFERENT STATES: 2014-15

(Quantity in Million Tonnes)

COMPANY	Type 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)
Meghalaya	Raw Coal (FC)														2.524	2.524			2.524
Meghalaya	Tot Coal (FC)														2.524	2.524			2.524
M. Pradesh	Raw Coal (FC)	36.501	10.327	0.149	0.034		1.284		0.064		0.018	0.198	0.031		2.991	51.597	0.015		51.612
M. Pradesh	Washed Coal	0.244					0.088									0.332		0.001	0.333
M. Pradesh	Middlings	0.087														0.087			0.087
M. Pradesh	Tot Coal (FC)	36.832	10.327	0.149	0.034		1.372		0.064		0.018	0.198	0.031		2.991	52.016	0.015	0.001	52.032
Odisha	Raw Coal (FC)	29.628	15.064	0.153		0.132	0.461	0.024	2.750	0.210	0.006	0.048			14.991	63.467	0.005		63.472
Odisha	Washed Coal				0.085											0.085			0.085
Odisha	Middlings		0.259													0.259			0.259
Odisha	Tot Coal (FC)	29.628	15.323	0.153	0.085	0.132	0.461	0.024	2.750	0.210	0.006	0.048			14.991	63.811	0.005		63.816
Others	Raw Coal (FC)														12.561	12.561	0.175		12.736
Others	Middlings														0.027	0.027			0.027
Others	Tot Coal (FC)														12.588	12.588	0.175		12.763
Panjab	Raw Coal (FC)	10.209	7.206						0.603						0.165	18.183			18.183
Panjab	Tot Coal (FC)	10.209	7.206						0.603						0.165	18.183			18.183
Rajasthan	Raw Coal (FC)	15.768	1.235				0.603	0.282				0.027			0.038	17.953			17.953
Rajasthan	Washed Coal	0.031	2.983													3.014			3.014
Rajasthan	Tot Coal (FC)	15.799	4.218				0.603	0.282				0.027			0.038	20.967			20.967
Telangana	Raw Coal (FC)	26.699	1.452								0.175	0.568	0.019	0.010	5.004	33.927			33.927
Telangana	Tot Coal (FC)	26.699	1.452								0.175	0.568	0.019	0.010	5.004	33.927			33.927
Tamilnadu	Raw Coal (FC)	16.659	1.003									0.012			0.174	17.848			17.848
Tamilnadu	Tot Coal (FC)	16.659	1.003									0.012			0.174	17.848			17.848
U. Pradesh	Raw Coal (FC)	59.423	4.567	0.131		0.131	0.234	0.104	0.257	0.015					4.148	69.010			69.010
U. Pradesh	Washed Coal	8.028														8.028			8.028
U. Pradesh	Middlings	0.289														0.289			0.289
U. Pradesh	Tot Coal (FC)	67.740	4.567	0.131		0.131	0.234	0.104	0.257	0.015					4.148	77.327			77.327
Uttaranchal	Raw Coal (FC)		0.302												0.150	0.452			0.452
Uttaranchal	Tot Coal (FC)		0.302												0.150	0.452			0.452
W. Bengal	Raw Coal (FC)	40.789	7.270	0.108	0.020	0.368	0.018		1.350		0.015	0.057	0.003	0.029	2.049	52.076	0.240		52.316
W. Bengal	Washed Coal	0.098		0.410												0.508			0.508
W. Bengal	Middlings	0.305	0.552					0.064								0.921			0.921
W. Bengal	Tot Coal (FC)	41.192	7.822	0.108	0.430	0.368	0.018		1.414		0.015	0.057	0.003	0.029	2.049	53.505	0.240		53.745
ALL India	Raw Coal (FC)	420.724	62.833	1.006	0.949	0.866	6.106	2.294	11.551	0.467	0.405	1.643	0.415	0.054	61.792	571.105	0.566	0.010	571.681
ALL India	Washed Coal	9.562	4.788	2.931		0.088			2.507						0.065	19.941		0.001	19.942
ALL India	Middlings	3.312	6.096						0.064						0.028	9.500			9.500
ALL India	Tot Coal (FC)	433.598	73.717	1.006	3.880	0.866	6.194	2.294	14.122	0.467	0.405	1.643	0.415	0.054	61.885	600.546	0.566	0.011	601.123

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)
2005-06	23.602	381.334	404.936	369.826	1.072	370.898	34.041	0.388	25.705	26.093	25.761	0.001	25.762	0.293	23.990	407.039	431.029	395.587	1.073	396.660	34.334
2006-07	34.041	400.393	434.434	389.561	0.990	390.551	43.848	0.293	30.439	30.732	30.239	0.001	30.240	0.500	34.334	430.832	465.166	419.800	0.991	420.791	44.348
2007-08	43.848	422.166	466.014	418.458	0.925	419.383	46.493	0.500	34.916	35.416	35.109	0.001	35.110	0.286	44.348	457.082	501.430	453.567	0.926	454.493	46.779
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	561.822	0.575	562.397	59.101	0.980	42.147	43.127	41.950	0.001	41.951	0.288	55.514	609.179	664.693	603.772	0.576	604.348	59.389

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)
2005-06	0.408	20.307	20.715	21.198	0.003	21.201	0.343	23.582	386.732	410.314	374.389	1.070	375.459	34.001	23.990	407.039	431.029	395.587	1.073	396.660	34.344
2006-07	0.343	25.514	25.857	25.264	0.009	25.273	0.460	34.001	405.318	439.319	394.483	0.982	395.465	43.888	34.344	430.832	465.176	419.747	0.991	420.738	34.344
2007-08	0.460	29.452	29.912	29.649	0.005	29.654	0.305	43.888	427.630	471.518	423.918	0.921	424.839	46.474	44.348	457.082	501.430	453.567	0.926	454.493	46.779
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	579.36	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

TABLE 4.24: AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2013-14 & 2014-15

(Quantity in Million Tonnes)

Company	2013-14							2014-15						
	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	58.168	462.413	520.581	470.916	0.374	471.290	48.683	48.683	494.234	542.917	488.860	0.512	489.372	53.491
SCCL	3.020	50.469	53.489	47.892	0.050	47.942	5.548	5.548	52.536	58.084	52.662	0.063	52.725	5.348
JKML	0.005	0.019	0.024	0.013		0.013	0.013	0.013	0.013	0.026	0.013		0.013	0.013
JSMDCL	0.000	0.000	0	0		0	0.000	0.000	0.415	0	0.408		0	0.007
DVC	0.011	0.054	0.065	0.045		0.045	0.020	0.020	0.066	0.086	0.055		0.055	0.030
DVC EMTA	0.009	1.519	1.528	1.523		1.523	0.005	0.005	1.001	1.006	1.006		1.006	0.000
IISCO	0.008	0.622	0.630	0.622		0.622	0.009	0.009	0.626	0.635	0.619		0.619	0.013
SAIL	0.006	0.069	0.075	0.075		0.075	0.000	0.000	0.025	0.025	0.025		0.025	0.000
APMDTCL	0.022		0.022			0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
WBPDCCL	0.039	2.606	2.645	2.610		2.610	0.034	0.034	6.221	6.255	6.248		6.248	0.008
RRVUNL	0.000	1.197	1.197	1.197		1.197	0.000	0.000	3.443	3.443	3.443		3.443	0.000
WBMDTCL	0.085	0.726	0.811	0.734		0.734	0.077	0.077	1.041	1.118	1.111		1.111	0.007
PSEB-PANEM	0.083	5.879	5.962	5.852		5.852	0.110	0.110	3.433	3.543	3.454		3.454	0.089
KECML		2.502	2.502	2.472		2.472	0.030		2.478	2.478	2.413		2.413	0.095
MPSMCL		0.005	0.005			0.000	0.005		1.500	1.500	1.505		1.505	0.000
PUBLIC	61.456	528.080	589.536	533.951	0.424	534.375	54.534	54.499	567.032	621.531	561.822	0.575	562.397	59.101
TISCO	0.014	6.972	6.986	6.969	0.001	6.970	0.017	0.017	6.043	6.060	6.061	0.001	6.062	0.012
Meghalaya		5.732	5.732	5.732		5.732	0.000		2.524	2.524	2.524		2.524	0.000
ICML	0.848	2.708	3.556	3.278		3.278	0.278	0.278	3.449	3.727	3.771		3.771	0.000
JSPL	0.010	5.999	6.009	5.999		5.999	0.010	0.010	5.989	5.999	5.989		5.989	0.010
HIL	0.122	2.478	2.600	2.453		2.453	0.144	0.144	2.248	2.392	2.386		2.386	0.008
MIEL	0.008	0.919	0.927	0.905		0.905	0.022	0.022	1.000	1.022	1.022		1.022	0.000
BLA	0.000	0.300	0.300	0.300		0.300	0.000	0.000	0.300	0.300	0.300		0.300	0.000
PIL	0.001	1.000	1.001	1.000		1.000	0.001	0.001	1.000	1.001	1.000		1.000	0.000
JNL	0.025	0.446	0.471	0.394		0.394	0.076	0.076	0.703	0.779	0.777		0.777	0.002
JPL	0.164	6.226	6.390	6.223		6.223	0.005	0.005	6.248	6.253	5.726		5.726	0.000
SIL	0.020	0.148	0.168	0.159		0.159	0.009	0.009	0.196	0.205	0.196		0.196	0.009
ESCL	0.093	0.461	0.554	0.370		0.370	0.157	0.157	0.433	0.590	0.133		0.133	0.037
UML	0.001	0.762	0.763	0.759		0.759	0.004	0.004	0.790	0.794	0.794		0.794	0.000
SEML	0.084	1.165	1.249	1.117		1.117	0.131	0.131	1.189	1.320	1.266		1.266	0.054
BSIL	0.055	0.081	0.136	0.027		0.027	0.109	0.109	0.031	0.140	0.136		0.136	0.004
TUML-SVSL	0.001	0.317	0.318	0.300		0.300	0.017	0.017	0.198	0.215	0.208		0.208	0.007
SPL	0.144	1.695	1.839	1.845		1.845	0.000	0.000	9.406	9.406	9.261		9.261	0.145
SOVA	0.003	0.276	0.279	0.279		0.279	0.000	0.000	0.400	0.400	0.400		0.400	0.000
PRIVATE	1.593	37.685	39.278	38.109	0.001	38.110	0.980	0.980	42.147	43.127	41.950	0.001	41.951	0.288
INDIA	63.049	565.765	628.814	572.060	0.425	572.485	55.514	55.514	609.179	664.658	603.772	0.576	604.348	59.389

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)
GHCL	2010-11	0.299										0.299
GIPCL	2010-11	2.548										2.548
GMDCL	2010-11	2.977		0.108		1.028		2.519	0.529	1.106	1.965	10.232
NLCL	2010-11	22.722		0.242				0.045	0.016	0.002	0.054	23.081
RSMML	2010-11	0.711		0.011		0.147				0.014		0.883
VSLPPL	2010-11	0.642										0.642
TOTAL	2010-11	29.899	0.000	0.361	0.000	1.175	0.000	2.564	0.545	1.122	2.019	37.685
GHCL	2011-12	0.389										0.389
GIPCL	2011-12	2.716										2.716
GMDCL	2011-12	3.069		0.340		3.536		0.579	0.915	0.831	2.073	11.343
NLCL	2011-12	23.740	0.031	0.586		0.001	0.010	0.052	0.014	0.001	0.037	24.472
RSMML	2011-12	1.306	0.001	0.088	0.002	0.132			0.053	0.038	0.502	2.120
VSLPPL	2011-12	0.843										0.843
TOTAL	2011-12	32.063	0.032	1.014	0.002	3.669	0.010	0.631	0.982	0.870	2.612	41.883
GHCL	2012-13	0.283										0.283
GIPCL	2012-13	3.482										3.482
GMDCL	2012-13	3.442		0.254	0.001	3.401		0.667	0.857	0.562	1.721	10.905
NLCL	2012-13	24.836	0.049	0.668		0.003		0.027	0.009	0.018	0.081	25.691
RSMML	2012-13	0.591		0.175		0.064				0.013	0.544	1.387
VSLPPL	2012-13	0.815										0.815
BLMCL	2012-13	3.750										3.750
TOTAL	2012-13	37.199	0.049	1.097	0.001	3.468	0.000	0.694	0.866	0.593	2.346	46.313
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

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

(Quantity in Million Tonnes)

Block	Company	State	2013-14			2014-15		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
Namchik Namphuk	APMDTCL	Arunachal Pradesh			0.000			0.000
Parsa East & Kanta Basan	RRVUNL	Chhattisgarh		1.197	1.197		3.443	3.443
Tasra	SAIL/IISCO	Jharkhand	0.044	0.031	0.075	0.024	0.001	0.025
Panchwara North	WBPDC	Jharkhand		0.082	0.082		4.007	4.007
Pachwara Central	PSEB-PANEM	Jharkhand		5.852	5.852		3.454	3.454
Amelia North	MPSMCL	Madhya Pradesh		0.000	0.000		1.505	1.505
Baranj I-IV, Kiloni, Manora Deep	KECML	Maharashtra		2.472	2.472		2.413	2.413
Barjora North	DVCEMTA	West Bengal		1.523	1.523		1.006	1.006
Trans Damodar	WBMDTCL	West Bengal		0.734	0.734		1.111	1.111
Tara East & West	WBPDC	West Bengal		2.307	2.307		1.818	1.818
Barjore	WBPDC	West Bengal		0.043	0.043		0.214	0.214
Gangaramchak & Bhadulia	WBPDC	West Bengal		0.178	0.178		0.209	0.209
Total Public			0.044	14.419	14.463	0.024	19.181	19.205
Chotia	PIL	Chhattisgarh		1.000	1.000		1.000	1.000
Gare Palma IV/1	JSPL	Chhattisgarh		5.999	5.999		5.989	5.989
Gare Palma IV/2&3	JPL	Chhattisgarh		6.223	6.223		5.726	5.726
Gare Palma IV/4	JNL	Chhattisgarh		0.394	0.394		0.777	0.777
Gare Palma IV/5	MIEL	Chhattisgarh		0.905	0.905		1.022	1.022
Gare Palma IV/7	SEML	Chhattisgarh		1.117	1.117		1.266	1.266
Kathautia	UML	Jharkhand		0.759	0.759		0.794	0.794
Parbatpur Central	ESCL	Jharkhand	0.366	0.004	0.370	0.112	0.021	0.133
Gotitoria East & West	BLA	Madhya Pradesh		0.300	0.300		0.300	0.300
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		1.845	1.845		9.261	9.261
Belgaon	SIL	Maharashtra		0.159	0.159		0.196	0.196
Marki Mangli I	BSIL	Maharashtra		0.027	0.027		0.136	0.136
Marki Mangli II-III	TUML-SVSL	Maharashtra		0.300	0.300		0.208	0.208
Talabira I	HIL	Odisha		2.453	2.453		2.386	2.386
Ardhagram	SOVA	West Bengal		0.279	0.279		0.400	0.400
Sarshatali	ICML	West Bengal		3.278	3.278		3.771	3.771
Total Private			0.366	25.042	25.408	0.112	33.253	33.365
Grand Total			0.410	39.461	39.871	0.136	52.434	52.570

TABLE 4.27 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF RAW COAL & LIGNITE DURING 2013-14 & 2014-15
(Quantity in Million Tonnes)

Availability (within India)	2013-14	2014-15	Supply (within India)	2013-14				2014-15			
				Raw Coal	Lignite	Imported Coal	Total	Raw Coal	Lignite	Imported Coal	Total
(A) Production			Sectors								
Coking Coal	56.818	57.446									
Non-coking Coal	508.947	551.733									
Lignite	44.271	48.270	Steel & Washery	16.175	0.030	36.872	53.077	12.522	0.023	43.715	56.260
Total	610.036	657.449	Power (Utility+Captive)	448.952	36.336	44.296	529.584	497.701	39.473	N.A.	537.174
(B) Change of Vendible Stock (Closing - Opening)			Cement	11.936	1.489	20.520	33.945	11.357	1.274	N.A.	12.631
Coking Coal	-1.624	0.552	Textile	0.360	0.733		1.093	0.415	2.887		3.302
Non-coking Coal	-5.911	3.323	Sponge Iron	18.493			18.493	17.766			17.766
Lignite	0.367	1.316	Fertilizer & Chem.	2.639	0.166		2.805	2.293	0.379		2.672
Total Change (Cl - Op)	-7.168	5.191	Paper	1.906	1.29		3.196	1.648	0.650		2.298
(C) Import			Brick	4.007	1.003		5.010	0.091	0.671		0.762
Coking Coal	36.872	43.715	Others	67.592	2.850	65.169	135.611	59.979	1.597	174.068	235.644
Non-coking Coal	129.985	174.068	Colliery Consmn.	0.425			0.425	0.576			0.576
Total Raw Coal	166.857	217.783	Total Off-take	572.485	43.897	166.857	783.239	604.348	46.954	217.783	869.085
(D) Export	2.188	1.238									
			Statistical Difference				-1.366				-0.282
(E) Total Availability	781.873	868.802	Total Supply				781.873				868.802

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

Section V

Pit Head Closing Stock

5.1 The concept of pit head closing stock has already been discussed in detail in Section I. A complete understanding of production and despatch of coal requires a discussion on the pit head closing stock. It is to be noted that whenever we talk about pit head closing stock of coal we refer to raw coal. In the year 2014-15, the pit head closing stock of coal and lignite were 59.389 MT and 3.176 MT respectively. The closing stock of coal and lignite increased over the last year. **Statement 5.1** depicts the pit head closing stock at the end of 2013-14 and 2014-15.

Statement 5.1 Pit Head Closing Stock (in Million Tons) of Coal and Lignite in India in 2013-14 and 2014-15		
Types of Coal	Year	
	2013-14	2014-15
Metallurgical	1.139	1.174
Non-metallurgical	5.273	5.790
Total Coking Coal	6.412	6.964
Non-coking	49.102	52.425
Total Raw Coal	55.514	59.389
Lignite	1.860	3.176

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

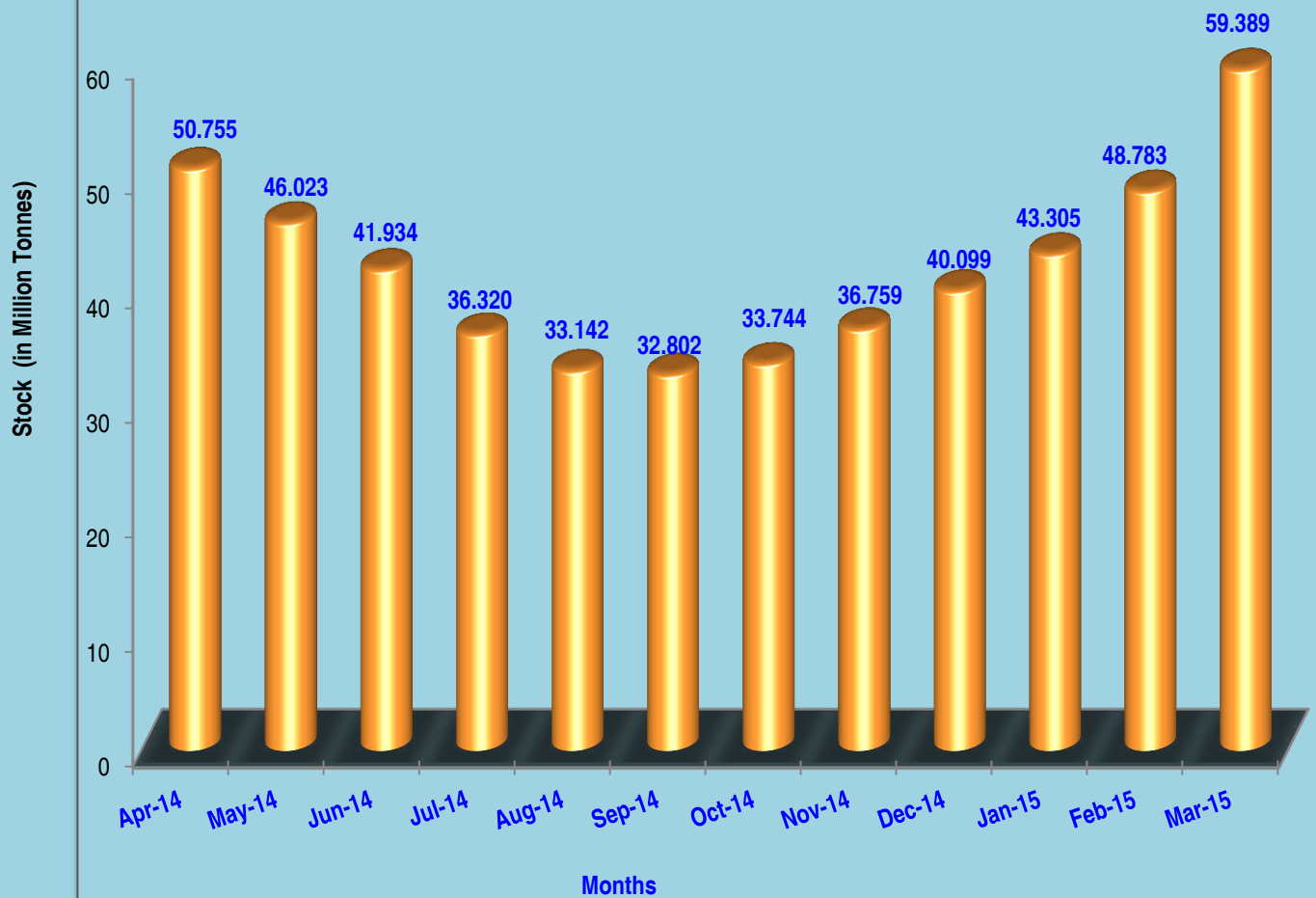
Statement 5.2 Pit Head Closing Stock (MT) of Coal and Lignite in India in last ten years.		
Year	Pit Head Closing Stock (MT)	
	Raw Coal	Lignite
2005-06	34.334	0.525
2006-07	44.348	1.002
2007-08	46.779	0.328
2008-09	47.317	0.903
2009-10	64.863	0.565
2010-11	72.192	0.610
2011-12	74.040	1.051
2012-13	63.049	1.493
2013-14	55.514	1.860
2014-15	59.389	3.176

It has been observed that in case of coal, the pit head closing stock has been increasing over the years till 2011-12 whereas in 2012-13 and 2013-14 it decreased. Again in 2014-15 it increased from 55.514 MT in 2013-14 to 59.389 MT in 2014-15. The trend in case of lignite is fluctuating one.

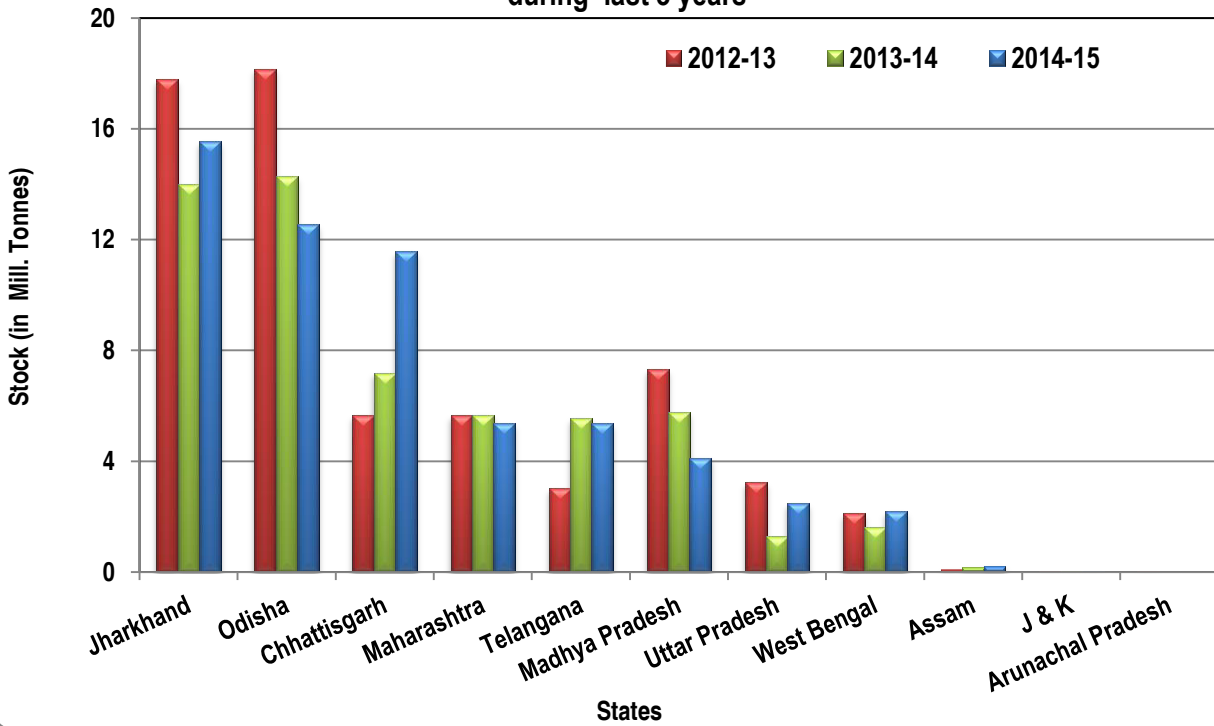
Statement 5.3 shows pit head closing stock of coal by companies during the period 2013-14 and 2014-15. The details on this aspect have been provided in tables attached with the section.

Statement 5.3:Company wise Pit Head Closing Stock (MT) of Coal and Lignite in India		
Company	Year	
	2013-14	2014-15
COAL		
ECL	1.913	3.451
BCCL	3.576	4.362
CCL	9.405	9.718
NCL	6.107	4.898
WCL	5.600	5.501
SECL	7.764	12.816
MCL	14.149	12.530
NEC	0.169	0.215
CIL	48.683	53.491
SCCL	5.548	5.348
OTHER PUBLIC	0.303	0.262
PUBLIC	54.534	59.101
PRIVATE	0.980	0.288
TOTAL	55.514	59.389
NLC	1.739	2.842
GIPCL	0.053	0
GMDCL	0	0
GHCL	0.016	0.023
VSPPL	0.051	0.233
BLMCL	0.001	0.078
TOTAL	1.860	3.176

Ch. 5.1 : Monthly Pit Head Closing Stock of Raw Coal during 2014-15



Ch. 5.2: Statewise Pit Head Closing Stock of Raw Coal during last 3 years



Ch. 5.3: Companywise Pit Head Closing Stock of Raw Coal during last 3 years

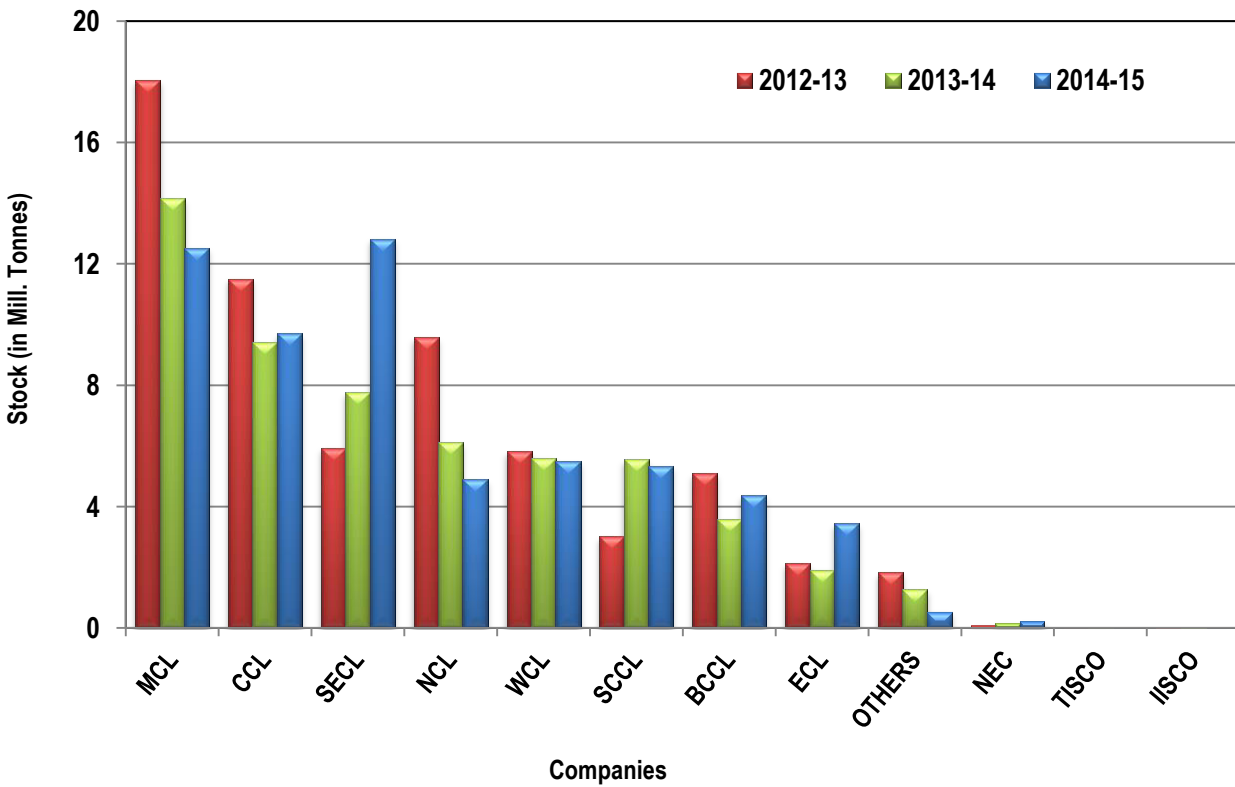


TABLE-5.1. TRENDS OF PIT-HEAD CLOSING STOCK OF DIFFERENT SOLID FOSSIL FUELS IN LAST TEN YEARS
(Quantity in Million Tonnes)

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)
2005-06	34.334	98.49	43.24	0.525	1.51	-2.05	34.859	42.25
2006-07	44.348	97.79	29.17	1.002	2.21	90.86	45.350	30.10
2007-08	46.779	99.30	5.48	0.328	0.70	-67.27	47.107	3.87
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

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 coal (%)	Change over previous year (%)	Pit-head Closing Stock	Change over previous year (%)
	Pit-head Closing Stock	Share in total solid coking coal (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total coking coal (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total solid fossil fuel (%)	Change over previous year (%)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2005-06	2.834	58.0	47.2	2.053	42.0	30.4	4.887	14.2	39.7	29.447	85.8	43.9	34.334	43.2
2006-07	3.086	58.0	8.9	2.235	42.0	8.9	5.321	12.0	8.9	39.027	88.0	32.5	44.348	29.2
2007-08	3.993	58.0	29.4	2.892	42.0	29.4	6.885	14.7	29.4	39.894	85.3	2.2	46.779	5.5
2008-09	4.065	61.3	1.8	2.565	38.7	-11.3	6.630	12.1	-3.7	48.220	87.9	20.9	54.850	17.3
2009-10	1.927	17.1	-52.6	9.337	82.9	264.0	11.264	17.4	69.9	53.599	82.6	11.2	64.863	18.3
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

TABLE-5.3 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2014-15

(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-14	50.755	1.143	0.139	0.346	0.307	1.225	0.053
May-14	46.023	1.148	0.209	0.184	0.306	1.101	0.114
Jun-14	41.934	1.398	0.169	0.272	0.295	1.013	0.195
1st Quarter	41.934	1.398	0.169	0.272	0.295	1.013	0.195
Jul-14	36.320	0.878	0.198	0.257	0.333	0.926	0.120
Aug-14	33.142	0.827	0.179	0.211	0.295	0.976	0.131
Sep-14	32.802	0.553	0.195	0.267	0.293	0.838	0.118
2nd Quarter	32.802	0.553	0.195	0.267	0.293	0.838	0.118
Oct-14	33.744	0.377	0.175	0.338	0.268	0.544	0.109
Nov-14	36.759	0.348	0.164	0.378	0.289	0.360	0.092
Dec-14	40.099	0.560	0.146	0.605	0.204	0.418	0.041
3rd Quarter	40.099	0.560	0.146	0.605	0.204	0.418	0.041
Jan-15	43.305	0.915	0.159	0.761	0.605	0.540	0.021
Feb-15	48.783	1.406	0.169	0.851	0.630	0.596	0.035
Mar-15	59.389	3.176	0.173	0.837	0.573	1.116	0.045
4th Quarter	59.389	3.176	0.173	0.837	0.573	1.116	0.045

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)
2005-06				0.316	1.06	-18.56	4.589	15.36	58.95
2006-07				0.182	0.41	-42.41	7.066	15.93	53.98
2007-08	0.010	0.02	0.00	0.079	0.17	-56.59	6.012	12.85	-14.92
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	0.000	0.00	-100.00	0.169	0.30	106.10	7.186	12.94	27.43
2014-15	0.000	0.00	0.00	0.215	0.36	27.22	11.576	19.49	61.09

Year	State: Jammu & Kashmir			State: Jharkhand			State: Madhya Pradesh		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2005-06	0.000	0.00	-100.00	14.910	49.90	56.63	2.194	7.34	11.26
2006-07	0.001	0.00	0.00	19.027	42.90	27.61	2.119	4.78	-3.42
2007-08	0.003	0.01	200.00	20.557	43.94	8.04	2.010	4.30	-5.14
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

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)
2005-06	3.213	10.75	69.64	4.454	14.91	45.89	1.419	4.75	93.59
2006-07	3.914	8.83	21.82	8.023	18.09	80.13	1.485	3.35	4.65
2007-08	2.924	6.25	-25.29	12.357	26.42	54.02	0.143	0.31	-90.37
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

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

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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)
2005-06	0.656	2.20	-16.75	2.583	8.64	-5.49	29.880	42.86
2006-07	0.490	1.10	-25.30	2.041	4.60	-20.98	44.348	48.42
2007-08	0.702	1.50	43.27	1.982	4.24	-2.89	46.779	5.48
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

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)
2005-06	0.466	90.49	-5.09	0.049	9.51	8.89			
2006-07	0.973	97.11	108.80	0.029	2.89	-40.82			
2007-08	0.302	92.07	-68.96	0.026	7.93	-10.34			
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

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
2005-06	0.515	-3.92
2006-07	1.002	94.56
2007-08	0.328	-67.27
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

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	2012-13		2013-14		2014-15	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COAL :						
ECL	2.114	3.35	1.913	3.45	3.451	5.81
BCCL	5.090	8.07	3.576	6.44	4.362	7.34
CCL	11.504	18.25	9.405	16.94	9.718	16.36
NCL	9.579	15.19	6.107	11.00	4.898	8.25
WCL	5.816	9.22	5.600	10.09	5.501	9.26
SECL	5.930	9.41	7.764	13.99	12.816	21.58
MCL	18.053	28.63	14.149	25.49	12.530	21.10
NEC	0.082	0.13	0.169	0.30	0.215	0.36
CIL	58.168	92.26	48.683	87.69	53.491	90.07
SCCL	3.020	4.79	5.548	9.99	5.348	9.01
JKML	0.005	0.01	0.013	0.02	0.013	0.02
JSMDC	0.000	0.00	0.000	0.00	0.007	0.01
DVC	0.011	0.02	0.020	0.04	0.030	0.05
DVC EMTA	0.009	0.01	0.005	0.01	0.000	0.00
IISCO	0.008	0.01	0.009	0.02	0.013	0.02
SAIL	0.006	0.01	0.000	0.00	0.000	0.00
APMDTCL	0.022	0.03	0.000	0.00	0.000	0.00
WBPDC	0.039	0.062	0.034	0.06	0.008	0.061
PSWB/PANEM	0.083	0.13	0.110	0.20	0.089	0.15
RRVUNL	0.000	0.00	0.000	0.00	0.000	0.00
WBMDTCL	0.085	0.13	0.077	0.14	0.007	0.01
MPSMCL			0.005	0.01	0.000	0.00
KECML	0.000	0.00	0.030	0.05	0.095	0.16
PUBLIC	61.456	97.47	54.534	98.23	59.101	99.52
TISCO	0.014	0.02	0.017	0.03	0.012	0.02
Meghalaya	0.000	0.00	0.000	0.00	0.000	0.00
ICML	0.848	1.34	0.278	0.50	0.000	0.00
JSPL	0.010	0.02	0.010	0.02	0.010	0.02
HIL	0.122	0.19	0.144	0.26	0.008	0.01
MIEL	0.008	0.01	0.022	0.04	0.000	0.00
BLA	0.000	0.00	0.000	0.00	0.000	0.00
PIL	0.001	0.00	0.001	0.00	0.000	0.00
JNL	0.025	0.04	0.076	0.14	0.002	0.00
JPL	0.164	0.26	0.005	0.01	0.000	0.00
SIL	0.020	0.03	0.009	0.02	0.009	0.02
ESCL	0.093	0.15	0.157	0.28	0.037	0.06
UML	0.001	0.00	0.004	0.01	0.000	0.00
SEML	0.084	0.13	0.131	0.24	0.054	0.09
BSIL	0.055	0.09	0.109	0.20	0.004	0.01
TUML/SVSL	0.001	0.00	0.017	0.03	0.007	0.01
SPL	0.144	0.23	0.000	0.00	0.145	0.24
SOVA	0.003	0.00	0.000	0.00	0.000	0.00
PRIVATE	1.593	2.53	0.980	1.77	0.288	0.48
ALL INDIA	63.049	100.00	55.514	100.00	59.389	100.00
LIGNITE :						
NLC	1.121	75.08	1.739	93.49	2.842	89.48
GMDCL						
GIPCL	0.296	19.83	0.053	2.85		
GHCL	0.024	1.61	0.016	0.86	0.023	0.72
RSMML						
VSLPPL			0.051		0.233	
BLMCL	0.052	3.48	0.001	0.05	0.078	2.46
ALL INDIA	1.493	100.00	1.860	97.26	3.176	92.66
COAL & LIGNITE	64.542		57.374		62.565	

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	2012-2013			2013-2014			2014-2015		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Arunachal Pradesh	APMDTCL		0.022	0.022		0.000	0.000			0.000
Assam	NEC		0.082	0.082		0.169	0.169		0.215	0.215
Chhattisgarh	SECL	0.005	5.342	5.347	0.005	6.936	6.941	0.009	11.501	11.510
Chhattisgarh	MIEL		0.008	0.008		0.022	0.022			0.000
Chhattisgarh	JSPL		0.010	0.010		0.010	0.010		0.010	0.010
Chhattisgarh	PIL		0.001	0.001		0.001	0.001			0.000
Chhattisgarh	JNL		0.025	0.025		0.076	0.076		0.002	0.002
Chhattisgarh	JPL		0.164	0.164		0.005	0.005			0.000
Chhattisgarh	SEML		0.084	0.084		0.131	0.131		0.054	0.054
Chhattisgarh	RRVUNL			0.000			0.000			0.000
Chhattisgarh	TOTAL	0.005	5.634	5.639	0.005	7.181	7.186	0.009	11.567	11.576
Jammu & Kashmir	JKML		0.005	0.005		0.013	0.013		0.013	0.013
Jharkhand	ECL	0.005	1.273	1.278	0.006	1.095	1.101	0.006	1.812	1.818
Jharkhand	BCCL	4.054	0.751	4.805	2.536	0.621	3.157	3.102	0.724	3.826
Jharkhand	CCL	3.615	7.889	11.504	3.486	5.919	9.405	3.452	6.266	9.718
Jharkhand	JSMDCCL			0.000			0.000		0.007	0.007
Jharkhand	DVC		0.011	0.011		0.020	0.020		0.030	0.030
Jharkhand	IISCO	0.001		0.001	0.003		0.003			0.000
Jharkhand	TISCO	0.014		0.014	0.017		0.017	0.007	0.005	0.012
Jharkhand	CML			0.000			0.000			0.000
Jharkhand	PSWB/PANEM		0.083	0.083		0.110	0.110		0.089	0.089
Jharkhand	WBPDCCL			0.000		0.013	0.013		0.007	0.007
Jharkhand	UML		0.001	0.001		0.004	0.004			0.000
Jharkhand	ESCL	0.067	0.026	0.093	0.090	0.067	0.157	0.011	0.026	0.037
Jharkhand	SAIL		0.006	0.006			0.000			0.000
Jharkhand	TOTAL	7.756	10.040	17.796	6.138	7.849	13.987	6.578	8.966	15.544
Madhya Pradesh	NCL		6.355	6.355		4.833	4.833		2.414	2.414
Madhya Pradesh	WCL	0.027	0.209	0.236	0.008	0.087	0.095	0.085	0.161	0.246
Madhya Pradesh	SECL		0.583	0.583		0.823	0.823		1.306	1.306
Madhya Pradesh	BLA			0.000			0.000			0.000
Madhya Pradesh	SPL		0.144	0.144			0.000		0.145	0.145
Madhya Pradesh	MPSMCL					0.005	0.005			0.000
Madhya Pradesh	TOTAL	0.027	7.291	7.318	0.008	5.748	5.756	0.085	4.026	4.111
Maharashtra	WCL		5.580	5.580		5.505	5.505		5.255	5.255
Maharashtra	SIL		0.020	0.020		0.009	0.009		0.009	0.009
Maharashtra	KECML			0.000		0.030	0.030		0.095	0.095
Maharashtra	BSIL		0.055	0.055		0.109	0.109		0.004	0.004
Maharashtra	TUML/SVSL		0.001	0.001		0.017	0.017		0.007	0.007
Maharashtra	TOTAL	0.000	5.656	5.656	0.000	5.670	5.670	0.000	5.370	5.370
Meghalaya	PRIVATE			0.000			0.000			0.000
Odisha	MCL		18.053	18.053		14.149	14.149		12.530	12.530
Odisha	HIL		0.122	0.122		0.144	0.144		0.008	0.008
Odisha	TOTAL		18.175	18.175		14.293	14.293		12.538	12.538
Telangana	SCCL		3.020	3.020		5.548	5.548		5.348	5.348
Uttar Pradesh	NCL		3.224	3.224		1.274	1.274		2.484	2.484
West Bengal	ECL	0.010	0.826	0.836	0.013	0.799	0.812	0.010	1.623	1.633
West Bengal	BCCL	0.238	0.047	0.285	0.248	0.171	0.419	0.282	0.254	0.536
West Bengal	IISCO		0.007	0.007		0.006	0.006		0.013	0.013
West Bengal	WBPDCCL		0.039	0.039		0.021	0.021		0.001	0.001
West Bengal	ICML		0.848	0.848		0.278	0.278			0.000
West Bengal	DVC EMTA		0.009	0.009		0.005	0.005			0.000
West Bengal	WBMDTCL		0.085	0.085		0.077	0.077		0.007	0.007
West Bengal	SOVA		0.003	0.003		0.000	0.000			0.000
West Bengal	TOTAL	0.248	1.864	2.112	0.261	1.357	1.618	0.292	1.898	2.190
Total Public		7.955	53.501	61.456	6.305	48.229	54.534	6.946	52.155	59.101
Total Private		0.081	1.512	1.593	0.107	0.873	0.980	0.018	0.270	0.288
All India		8.036	55.013	63.049	6.412	49.102	55.514	6.964	52.425	59.389

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

(Quantity in Million Tonnes)

Block	Company	State	2013-14			2014-15		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
(1)	(2)	(3)	(4)	(4)	(5)	(6)	(7)	(8)
Namchik Namphuk	APMDTCL	Arunachal Pradesh						
Parsa East & Kanta Basan	RRUVNL	Chhattisgarh		0.000	0.000		0.000	0.000
Tasra	SAIL/IISCO	Jharkhand	0.000	0.000	0.000	0.000	0.000	0.000
Panchwara North	WBPDCCL	Jharkhand		0.013	0.013		0.007	0.007
Panchwara North	PSEB-PANEM	Jharkhand		0.110	0.110		0.089	0.089
Amelia North	MPSMCL	Madhya Pradesh		0.005	0.005		0.000	0.000
Baranj I-IV, Kiloni, Manora Deep	KECML	Maharashtra		0.030	0.030		0.095	0.095
Barjora North	DVCEMTA	West Bengal		0.005	0.005		0.000	0.000
Trans Damodar	WBMDTCL	West Bengal		0.077	0.077		0.000	0.000
Tara East & West	WBPDCCL	West Bengal		0.013	0.013		0.000	0.000
Barjore	WBPDCCL	West Bengal		0.005	0.005		0.001	0.001
Gangaramchak & Bhadulia	WBPDCCL	West Bengal		0.003	0.003		0.000	0.000
Total Public			0.000	0.261	0.261	0.000	0.192	0.192
Chotia	PIL	Chhattisgarh		0.001	0.001		0.000	0.000
Gare Palma IV/1	JSPL	Chhattisgarh		0.010	0.010		0.010	0.010
Gare Palma IV/2&3	JPL	Chhattisgarh		0.005	0.005		0.000	0.000
Gare Palma IV/4	JNL	Chhattisgarh		0.076	0.076		0.002	0.002
Gare Palma IV/5	MIEL	Chhattisgarh		0.022	0.022		0.000	0.000
Gare Palma IV/7	SEML	Chhattisgarh		0.131	0.131		0.054	0.054
Kathautia	UML	Jharkhand		0.004	0.004		0.000	0.000
Parbatpur Central	ESCL	Jharkhand	0.090	0.067	0.157	0.041	0.066	0.107
Gotitoria East & West	BLA	Madhya Pradesh		0.000	0.000		0.000	0.000
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		0.000	0.000		0.145	0.145
Belgaon	SIL	Maharashtra		0.009	0.009		0.009	0.009
Marki Mangli I	BSIL	Maharashtra		0.109	0.109		0.004	0.004
Marki Mangli II-III	TUML-SVSL	Maharashtra		0.017	0.017		0.007	0.007
Talabira I	HIL	Odisha		0.144	0.144		0.009	0.009
Ardhagram	SOVA	West Bengal		0.000	0.000		0.000	0.000
Sarshatali	ICML	West Bengal		0.278	0.278		0.000	0.000
Total Private			0.090	0.873	0.963	0.041	0.306	0.347
Grand Total			0.090	1.134	1.224	0.041	0.498	0.539

Section VI

Pit-head Value, Price and Duty

6.1 Pit-head Value

6.1.1 As the coal production in India (including lignite) in the year 2014-15 has already been discussed in Section III. In this section an attempt has been made to discuss pit-head value of coal produced, price, royalty etc. Statement 6.1 provides state wise production and value for coal and lignite for the year 2014-15.

Statement 6.1: State-wise Production (MT) and Value (Million Rs.) of Coal and Lignite for the year 2014-15		
Coal	Production	Value
Arunachal Pradesh	0.000	0.000
Assam	0.779	3819.880
Chhattisgarh	134.764	139855.406
Jammu & Kashmir	0.013	27.625
Jharkhand	124.143	193135.087
Maharashtra	38.257	67045.352
Meghalaya	2.524	12670.480
Madhya Pradesh	87.609	111478.186
Orissa	123.627	158984.334
Telangana	52.536	109642.632
Uttar Pradesh	14.957	16186.900
West Bengal	29.970	80025.818
ALL INDIA	609.179	892871.700
Lignite		
Gujarat	12.317	17914.567
Tamilnadu	25.190	51122.371
Rajasthan	10.763	12590.026
ALL INDIA	48.270	81626.964

6.1.2 As the total production of coal and lignite includes production of 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 last five years.

6.1.3 Table 6.2 provides data on state-wise production of coal and its values by sector for captive and non-captive separately. After adoption of GCV Band Price since 2012, pit head (run of mine) price of coking coal of Coal India Limited during 2013-14 is given in Table 6.5 and 6.6.

The price of non-coking coal of CIL after adoption of GCV Band Price since 2012 has been given in Table 6.8, 6.9 and 6.10. Price of Singareni Collieries Company Limited is given in Table 6.11.

6.2 Price and Duty

Royalty rates on Indian coal and lignite has been discussed in Table 6.12.

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	2010-11		2011-12		2012-13		2013-14		2014-15	
	Production	Value	Production	Value	Production	Value	Production	Value	Production	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
COAL :										
Arunachal Pradesh	0.3	1106.0	0.2	1464.1	0.1	483.6			0.0	0.0
Assam	1.1	4072.6	0.6	3988.0	0.6	3591.2	0.7	3392.9	0.8	3819.9
Chhattisgarh	113.8	58256.2	114.0	70740.3	117.8	90750.7	127.1	89275.0	134.8	139855.4
Jammu & Kashmir	0.0	22.4	0.0	42.5	0.0	40.4	0.0	40.4	0.0	27.6
Jharkhand	108.9	185716.2	109.6	139887.6	111.3	175665.4	113.1	240509.8	124.1	193135.1
Maharashtra	39.3	53628.8	39.2	53112.6	39.1	62356.8	37.2	57363.5	38.3	67045.4
Meghalaya	7.0	25796.8	7.2	47739.8	5.6	37365.0	5.7	37974.5	2.5	12670.5
Madhya Pradesh	71.1	93673.6	71.1	83305.5	75.9	93737.9	75.6	111792.7	87.6	111478.2
Odisha	102.6	73545.3	105.5	96399.0	110.1	47256.8	112.9	150160.6	123.6	158984.3
Telangana	51.3	81106.1	52.2	90008.1	53.2	91695.8	50.5	73998.0	52.5	109642.6
Uttar Pradesh	15.5	15122.3	16.2	34369.5	16.1	35844.2	14.7	20046.1	15.0	16186.9
West Bengal	21.7	28164.1	24.2	80662.1	26.5	108398.7	28.2	40794.0	30.0	80025.8
ALL INDIA	532.7	620210.4	540.0	701719.1	556.4	747186.6	565.8	825347.5	609.2	892871.7
LIGNITE :										
Gujarat	13.1	13480.3	14.8	15249.9	14.5	14990.9	11.6	12547.1	12.3	17914.6
Tamilnadu	23.1	28755.3	24.6	36964.7	24.8	37346.6	25.1	41992.1	25.2	51122.4
Rajasthan	1.5	1071.6	3.0	1161.8	7.1	2776.6	7.6	5136.1	10.8	12590.0
ALL INDIA	37.7	43307.2	42.3	53376.5	46.5	55114.1	44.3	59675.3	48.3	81627.0

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

TABLE 6.2 : STATEWISE PRODUCTION OF COAL AND ITS VALUE - BY SECTOR & CAPTIVE / NON-CAPTIVE UNITS DURING 2014-15

(Quantity in Million Tonnes and Value in Million Rupees)

Block	Sector	Quantity / Value	Arunachal Pradesh	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Maharashtra	Meghalaya	Madhya Pradesh	Odisha	Telangana	Uttar Pradesh	West Bengal	ALL INDIA
(1)	(2)	(3)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(4)	(14)	(15)	(16)
CAPTIVE	Public	Prdn.			3.443		7.458	2.478		1.500	0.000			4.263	19.142
		Value			2409.853		9455.361	4363.114		1260.000	0.000			8267.630	25755.958
	Private	Prdn.			16.129		1.223	0.425		9.706	2.248			3.849	33.580
		Value			31110.070		1341.066	433.038		8415.234	2890.928			2731.788	46922.124
	TOTAL	Prdn.			19.572		8.681	2.903		11.206	2.248			8.112	52.722
		Value			33519.923		10796.427	4796.152		9675.234	2890.928			10999.418	72678.082
NON CAPTIVE	Public	Prdn.	0.000	0.779	115.192	0.013	109.419	35.354		76.403	121.379	52.536	14.957	21.858	547.890
		Value	0.000	3819.880	106335.483	27.625	151945.670	62249.200		101802.952	156093.406	109642.632	16186.900	69026.400	777130.148
	Private	Prdn.					6.043	0.000	2.524						8.567
		Value					30392.990	0.000	12670.480						43063.470
	TOTAL	Prdn.		0.779	115.192	0.013	115.462	35.354	2.524	76.403	121.379	52.536	14.957	21.858	556.457
		Value		3819.880	106335.483	27.625	182338.660	62249.200	12670.480	101802.952	156093.406	109642.632	16186.900	69026.400	820193.618
TOTAL	Public	Prdn.	0.779	118.635	0.013	116.877	37.832		77.903	121.379	52.536	14.957	26.121	567.032	
		Value	3819.880	108745.336	27.625	161401.031	66612.314		103062.952	156093.406	109642.632	16186.900	77294.030	802886.106	
	Private	Prdn.			16.129	0.000	7.266	0.425	2.524	9.706	2.248			3.849	42.147
		Value			31110.070	0.000	31734.056	433.038	12670.480	8415.234	2890.928			2731.788	89985.595
	TOTAL	Prdn.	0.000	0.779	134.764	0.013	124.143	38.257	2.524	87.609	123.627	52.536	14.957	29.970	609.179
		Value	0.000	3819.880	139855.406	27.625	193135.087	67045.352	12670.480	111478.186	158984.334	109642.632	16186.900	80025.818	892871.700

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

Table 6.3 : PITHEAD (RUN OF MINE) PRICE (Rupees/Tonne) OF NON-COKING COAL PRIOR TO INTRODUCTION OF GCV

Applicable to Power Utilities (Including IPPs), Fertiliser and Defence Sector.

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	

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Table 6.3 : PITHEAD (RUN OF MINE) PRICE (Rupees/Tonne) OF NON-COKING COAL PRIOR TO INTRODUCTION OF GCV

Applicable to Power Utilities (Including IPPs), Fertiliser and Defence Sector.

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 Flame Coal and NLF denotes Non-long Flame Coal.

Source: Websites of documents 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.

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.

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: Websites of documents 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.

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)	27-02-2011 to 31-03-2013			2390	1990	1470	1370		
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 (Raniganj)	27-02-2011 to 31-03-2013							2150	1790
ECL (Raniganj)	01-04-2013 to 31-03-2014							2150	1790
ECL (Raniganj)	01-04-2014 to 31-03-2015							2150	1790
BCCL (Specified)	27-02-2011 to 31-03-2013	3750	3140	2740	1980	1480	1370		
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 (Unspecified)	27-02-2011 to 31-03-2013			2020	1680	1240	1150		
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		
CCL	27-02-2011 to 31-03-2013			1960	1620	1200	1120		
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		
WCL	27-02-2011 to 31-03-2013			1710	1410	1290			
WCL	01-04-2013 to 31-03-2014			1710	1410	1290			
WCL	01-04-2014 to 31-03-2015			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

Source : CIL website and information provided by CIL.

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.

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)	27-02-2011 to 31-03-2013			3110	2590	1910	1780		
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 (Ranigunj)	27-02-2011 to 31-03-2013							2800	2330
ECL (Raniganj)	01-04-2013 to 31-03-2014							2800	2330
ECL (Raniganj)	01-04-2014 to 31-03-2015							2800	2330
BCCL (Specified)	27-02-2011 to 31-03-2013	4880	4080	3560	2570	1920	1780		
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 (Unspecified)	27-02-2011 to 31-03-2013			2630	2180	1610	1500		
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		
CCL	27-02-2011 to 31-03-2013			2550	2110	1560	1460		
CCL	01-04-2013 to 31-03-2014			2550	2110	1560	1460		
CCL	01-04-2013 to 31-03-2015			2550	2110	1560	1460		
WCL	27-02-2011 to 31-03-2013				2220	1830	1680		
WCL	01-04-2013 to 31-03-2014				2220	1830	1680		
WCL	01-04-2014 to 31-03-2015				2220	1830	1680		
SECL	27-02-2011 to 31-03-2013							2260	1890
SECL	01-04-2013 to 31-03-2014							2260	1890
SECL	01-04-2014 to 31-03-2015							2260	1890

Source : CIL website and information provided by CIL.

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) and Defence Sector				
		01-01-12 to 20-06-12	21-06-12 to 31-03-13	01-04-13 to 27-05-13	28-05-13 to 31-03-14	01-04-14 to 31-03-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)
G 1	Exceeding 7000	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870	4870
G 3	Exceeding 6400 and not exceeding 6700	4420	4420	4420	3890	3890
G 4	Exceeding 6100 and not exceeding 6400	3970	3970	3970	3490	3490
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800
G 6	Exceeding 5500 and not exceeding 5800	1450	1740	1740	1600	1600
G 7	Exceeding 5200 and not exceeding 5500	1270	1520	1520	1400	1400
G 8	Exceeding 4900 and not exceeding 5200	1140	1370	1370	1250	1250
G 9	Exceeding 4600 and not exceeding 4900	880	1060	1060	970	970
G 10	Exceeding 4300 and not exceeding 4600	780	940	940	860	860
G 11	Exceeding 4000 and not exceeding 4300	640	770	770	700	700
G 12	Exceeding 3700 and not exceeding 4000	600	720	720	660	660
G 13	Exceeding 3400 and not exceeding 3700	550	660	660	610	610
G 14	Exceeding 3100 and not exceeding 3400	500	600	600	550	550
G 15	Exceeding 2800 and not exceeding 3100	460	550	550	510	510
G 16	Exceeding 2500 and not exceeding 2800	410	490	490	450	450
G 17	Exceeding 2200 and not exceeding 2500	360	430	430	400	400

* 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.

For WCL (**up to 31-03-2013**) there shall be a 10% add-on over and above the price mentioned above for increase in GCV by every 100 Kcal/ Kg and below.

Source : CIL website and information provided by CIL.

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) and Defence				
		01-01-12 to 20-06-12	21-06-12 to 31-03-13	01-04-13 to 27-05-13	28-05-13 to 31-03-14	01-04-14 to 31-03-15
(1)	(2)	(5)	(6)	(6)	(6)	(6)
G 1	Exceeding 7000	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870	4870
G 3	Exceeding 6400 and not exceeding 6700	4420	4420	4420	3890	3890
G 4	Exceeding 6100 and not exceeding 6400	3970	3970	3970	3490	3490
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800
G 6	Exceeding 5500 and not exceeding 5800	1960	2350	2350	2150	2150
G 7	Exceeding 5200 and not exceeding 5500	1720	2050	2050	1890	1890
G 8	Exceeding 4900 and not exceeding 5200	1540	1850	1850	1690	1690
G 9	Exceeding 4600 and not exceeding 4900	1180	1430	1430	1310	1310
G 10	Exceeding 4300 and not exceeding 4600	1050	1270	1270	1160	1160
G 11	Exceeding 4000 and not exceeding 4300	870	1040	1040	950	950
G 12	Exceeding 3700 and not exceeding 4000	810	970	970	890	890
G 13	Exceeding 3400 and not exceeding 3700	740	890	890	820	820
G 14	Exceeding 3100 and not exceeding 3400	680	810	810	740	740
G 15	Exceeding 2800 and not exceeding 3100	620	740	740	680	680
G 16	Exceeding 2500 and not exceeding 2800	550	660	660	610	610
G 17	Exceeding 2200 and not exceeding 2500	490	580	580	540	540

* 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.

For WCL (up to 31-03-2013) there shall be a 10% add-on over and above the price mentioned above for increase in GCV by every 100 Kcal/ Kg and below.

Source : CIL website and information provided by CIL.

**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) and Defence Sector)**

Grade of Coal	GCV Bands	01-04-13 to 27-05-13	28-05-13 to 16-12-13	17-12-13 to 31-03-14	01-04-14 to 31-03-15
(1)	(2)	(3)	(4)	(5)	(6)
G 1	Exceeding 7000	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870
G 3	Exceeding 6400 and not exceeding 6700	4420	3890	3890	3890
G 4	Exceeding 6100 and not exceeding 6400	3970	3490	3490	3490
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800
G 6	Exceeding 5500 and not exceeding 5800	1740	1760	1920	1920
G 7	Exceeding 5200 and not exceeding 5500	1520	1540	1680	1680
G 8	Exceeding 4900 and not exceeding 5200	1370	1380	1510	1510
G 9	Exceeding 4600 and not exceeding 4900	1060	1070	1170	1170
G 10	Exceeding 4300 and not exceeding 4600	940	940	1030	1030
G 11	Exceeding 4000 and not exceeding 4300	770	770	840	840
G 12	Exceeding 3700 and not exceeding 4000	720	730	800	800
G 13	Exceeding 3400 and not exceeding 3700	660	670	730	730
G 14	Exceeding 3100 and not exceeding 3400	600	610	670	670
G 15	Exceeding 2800 and not exceeding 3100	550	560	610	610
G 16	Exceeding 2500 and not exceeding 2800	490	500	550	550
G 17	Exceeding 2200 and not exceeding 2500	430	440	480	480

* 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 : CIL website and information provided by CIL.

**Table 6.11: PIT HEAD (RUN OF MINE) PRICE (Rupees per Tonne) OF NON-COKING COAL OF WESTERN COALFIELDS LTD
(Applicable to Sectors Other than Power Utilities (including IPPs) and Defence Sector)**

Grade of Coal	GCV Bands	01-04-13 to 27-05-13	28-05-13 to 16-12-13	17-12-13 to 31-03-14	01-04-14 to 31-03-15
(1)	(2)	(3)	(4)	(5)	(6)
G 1	Exceeding 7000	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870
G 3	Exceeding 6400 and not exceeding 6700	4420	3890	3890	3890
G 4	Exceeding 6100 and not exceeding 6400	3970	3490	3490	3490
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800
G 6	Exceeding 5500 and not exceeding 5800	2350	2370	2590	2590
G 7	Exceeding 5200 and not exceeding 5500	2050	2080	2270	2270
G 8	Exceeding 4900 and not exceeding 5200	1850	1860	2030	2030
G 9	Exceeding 4600 and not exceeding 4900	1430	1440	1570	1570
G 10	Exceeding 4300 and not exceeding 4600	1270	1270	1390	1390
G 11	Exceeding 4000 and not exceeding 4300	1040	1050	1150	1150
G 12	Exceeding 3700 and not exceeding 4000	970	980	1070	1070
G 13	Exceeding 3400 and not exceeding 3700	890	900	980	980
G 14	Exceeding 3100 and not exceeding 3400	810	820	890	890
G 15	Exceeding 2800 and not exceeding 3100	740	750	820	820
G 16	Exceeding 2500 and not exceeding 2800	660	670	730	730
G 17	Exceeding 2200 and not exceeding 2500	580	590	640	640

* 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 : CIL website and information provided by CIL.

**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	01-04-12	01-04-13	19-07-13
		to 31-03-12	to 31-03-13	to 18-07-13	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 : Website of SCCL and information provided by SCCL

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

Grade of Coal	GCV RANGE	Applicable to Power Utilities			Applicable to Non-Power Consumers		
		11-09-13 to 31-03-14	01-04-14 to 26-03-15	27-03-15 to 31-03-15	11-09-13 to 31-03-14	01-04-14 to 26-03-15	27-03-15 to 31-03-15
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
G 1	Above 7000	4680	4680	4680	4680	4680	4680
G 2	6701-7000	4480	4480	4480	4480	4480	4480
G 3	6401-6700	4390	4390	4390	4390	4390	4390
G 4	6101-6400	4340	4340	4340	4340	4340	4340
G 5	5801-6100	4320	4320	4320	4320	4320	4320
G 6	5501-5800	2720	2720	3328	3310	3310	3310
G 7	5201-5500	2120	2120	2600	2580	2580	2580
G 8	4901-5200	1960	1960	2580	2550	2550	2550
G 9	4601-4900	1730	1730	1730	2250	2250	2250
G 10	4301-4600	1610	1610	1610	2100	2100	2100
G 11	4001-4300	1300	1300	1300	1700	1700	1700
G 12	3701-4000	1050	1050	1050	1370	1370	1370
G 13	3401-3700	800	800	800	1040	1040	1040
G 14	3101-3400	710	710	710	920	920	920
G 15	2801-3100	590	590	590	770	770	770
G 16	2501-2800	550	550	550	620	620	620
G 17	2201-2500	490	490	490	550	550	550

Source : Website of SCCL and information provided by SCCL

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

Table 6.14 : ROYALTY RATES ON INDIAN COAL AND LIGNITE (Rs./ Tonne)

Coal category	With effect from -->	01.01.2012		10-05-2012 till date	
		All states except W.B.	W.B.	All states except W.B.	W. B.
(1)	(2)	(3)	(4)	(5)	(6)
Group I	Coking coal Steel grade I, Steel grade II, Washery grade I, Direct Feed Hand picked coal (Assam, Arunachal Pradesh Meghalaya & Nagaland)	180+0.05P	7.00	14% ad-valorem on price of coal as reflected in the invoice excluding taxes, levies and other charges	7.00
Group II	Coking coal Washery grade II, Washery grade III Semi-Coking coal Semi Coke grade I, Semi Coke grade II Non-coking coal GCV (Kcal/ Kg) range 6101 and above Ungraded R.O.M. coal (Assam, Arunachal Pradesh, Meghalaya & Nagaland)	130+0.05P	6.50		6.50
Group III	Coking coal Washery grade IV Non-coking coal GCV (Kcal/KG) in the range 5201-6100	90+0.05P	5.50		5.50
Group IV	Non-coking coal GCV (Kcal/Kg) in the range 4301-5200	70+0.05P	4.30		4.30
Group V	Non-coking coal GCV (Kcal/Kg) in the range 3101-4300 Lignite Middling (GCV <3100)	55+0.05P 45+0.02P 45+0.05P	2.50		2.50
Group VI	Coal produced in Andhra Pradesh (SCCL)				

Note: Besides Royalty, other charges viz. Stowing Excise Duty, Excise Duty, Cess, Sales Tax, VAT etc. are levied by the Central and State Governments at the rates applicable from time to time.

Section VII

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 2014-15, import of coal by India was 217.783 MT (value Rs. 1045066 Million) against import of 166.857 MT (value Rs. 923292Million) registered in 2013-14. This shows an increase of 30.52% in quantity and 13.19% in value over the previous year. The share of coking and non-coking coal has been noticed as follows:

Statement 7.1: Import of Coal to India in 2014-15		
Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	43.715	337656
Non-Coking	174.068	707411
Total	217.783	1045067

It is observed that the share of coking coal in the total quantity was 20.07% which in value terms accounted for 32.31%

7.4 Statement 7.2 depicts source country wise import of coal in India in 2014-15. It can be seen that Indonesia with 56.82% [123.734 MT] share has remained the leading supplier followed by Australia with 21.87% [47.619 MT] and South Africa 14.11% [30.731 MT]. These three countries together accounted for 92.8% of the total import to India in 2014-15.

Statement 7.2: Source Country-Wise Import of Coal by India during 2014-15		
Country	Quantity [MT]	% Share
Indonesia	123.734	56.82
Australia	47.619	21.87
South Africa	30.731	14.11
U S A	4.270	1.96
Mozambique	1.979	0.91
Canada	1.957	0.90
Chile	1.728	0.79
Russia	1.333	0.61
New Zealand	1.025	0.47
Others	3.406	1.56
TOTAL	217.783	100.00

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

Statement 7.3 Source Country-Wise Import of Coking Coal by India during 2014-15		
Country	Quantity [MT]	%Share
Australia	37.504	85.79
Canada	1.856	4.25
U S A	1.602	3.66
Mozambique	1.409	3.22
New Zealand	1.025	2.35
Others	0.319	0.73
Total	43.715	100.00

Statement 7.4 Source Country-Wise Import of Non-Coking Coal to India during 2014-15		
Country	Quantity [MT]	% Share
Australia	123.734	71.00
Canada	30.571	18.00
U S A	10.116	6.00
Mozambique	2.668	2.00
New Zealand	1.728	1.00
South Africa	1.200	1.00
Others	4.051	2.00
Total	174.068	100.00

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
2010-11	656.31	532.694	68.918
2011-12	696.03	539.950	102.853
2012-13	772.84	556.402	145.785
2013-14	729.53	565.765	166.857
2014-15	787.03	609.179	217.783

*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 the year 2014-15, the total export was 1.238 MT. Here, Bangladesh accounted for 43.767% of export followed by Nepal (38.936%) and U Arab EMTS (11.406%).

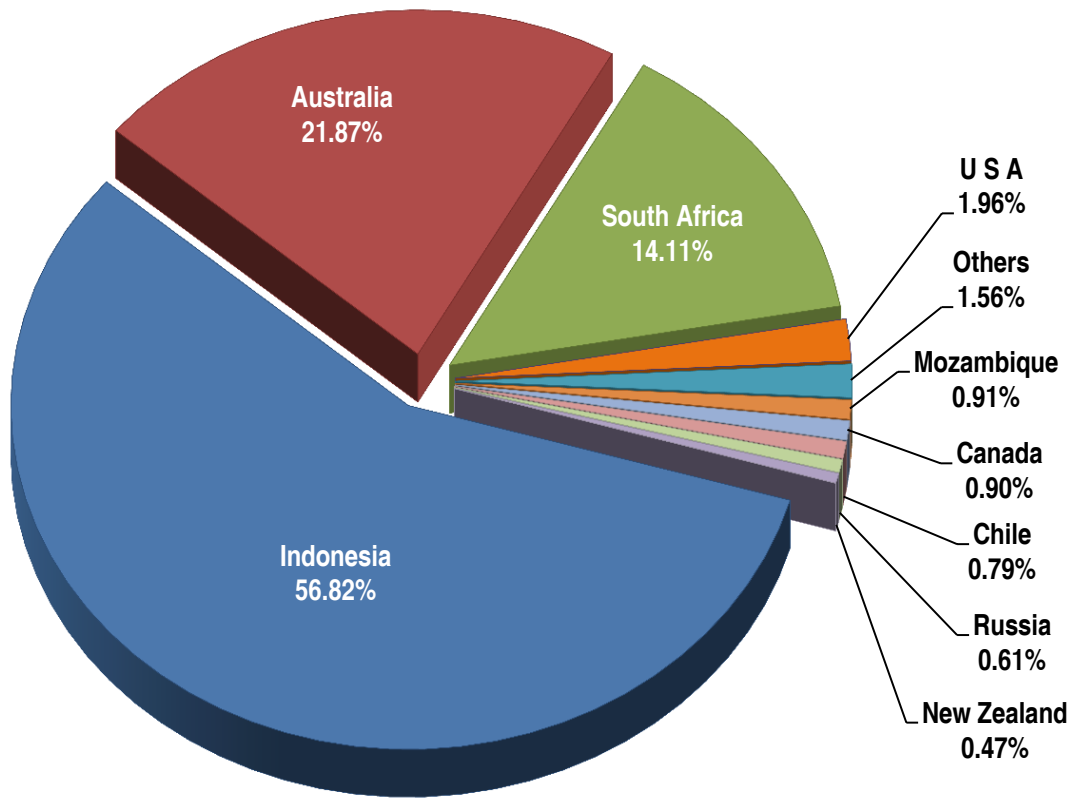
Statement 7.6: Export of Coal from India by destination countries during 2014-15		
Country	Quantity [MT]	Share
Bangladesh PR	0.542	43.767%
Nepal	0.482	38.936%
U Arab EMTS	0.141	11.406%
Bhutan	0.038	3.031%
Iran	0.035	2.826%
Others	0.0004	0.034%
Total	1.238	100.00%

The break-up of destination country wise Export for coking and non-coking coal is given in Statement 7.7 and 7.8 respectively.

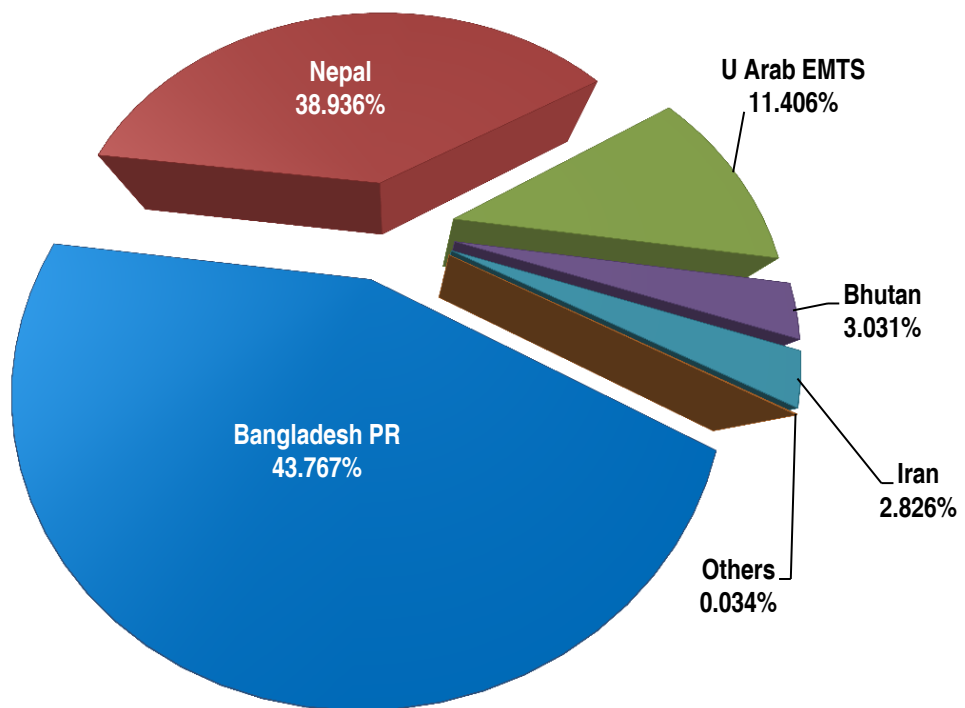
Statement 7.7: Export of Coking Coal from India by destination during 2014-15		
Country	Quantity [MT]	% Share
Iran	0.035	83.3%
Bangladesh PR	0.007	16.7%
Others	0.000	0.0%
Total	0.042	100.0%

Statement 7.8: Export of Non-coking Coal from India by destination during 2014-15		
Country	Quantity [MT]	% Share
Bangladesh PR	0.535	44.73%
Nepal	0.482	40.30%
U Arab EMTS	0.038	3.18%
Bhutan	0.141	11.79%
Others	0.000	0.00%
Total	1.196	100.00%

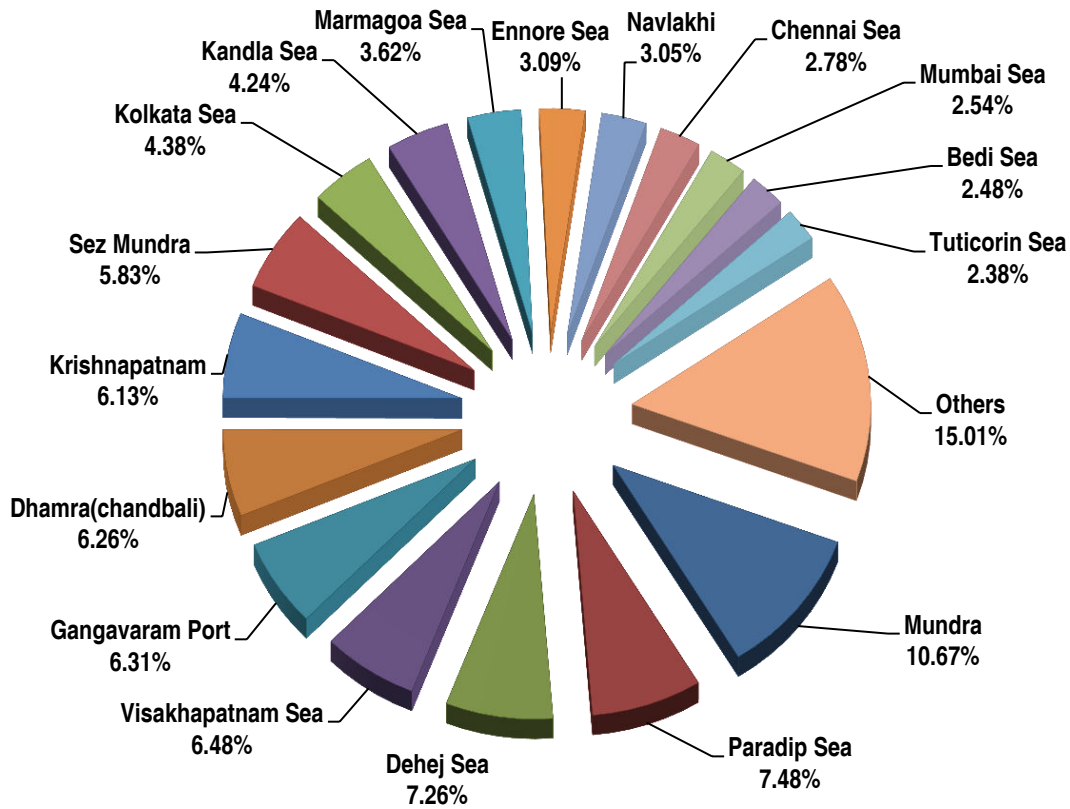
Ch.7.1: SHARE OF COUNTRY WISE IMPORT OF COAL IN 2014-15



Ch.7.2: SHARE OF COUNTRY WISE EXPORT OF COAL IN 2014-15



Ch.7.3 : SHARE OF PORT WISE IMPORT OF COAL IN 2014-15



Ch.7.4 : SHARE OF PORT WISE EXPORT OF COAL IN 2014-15

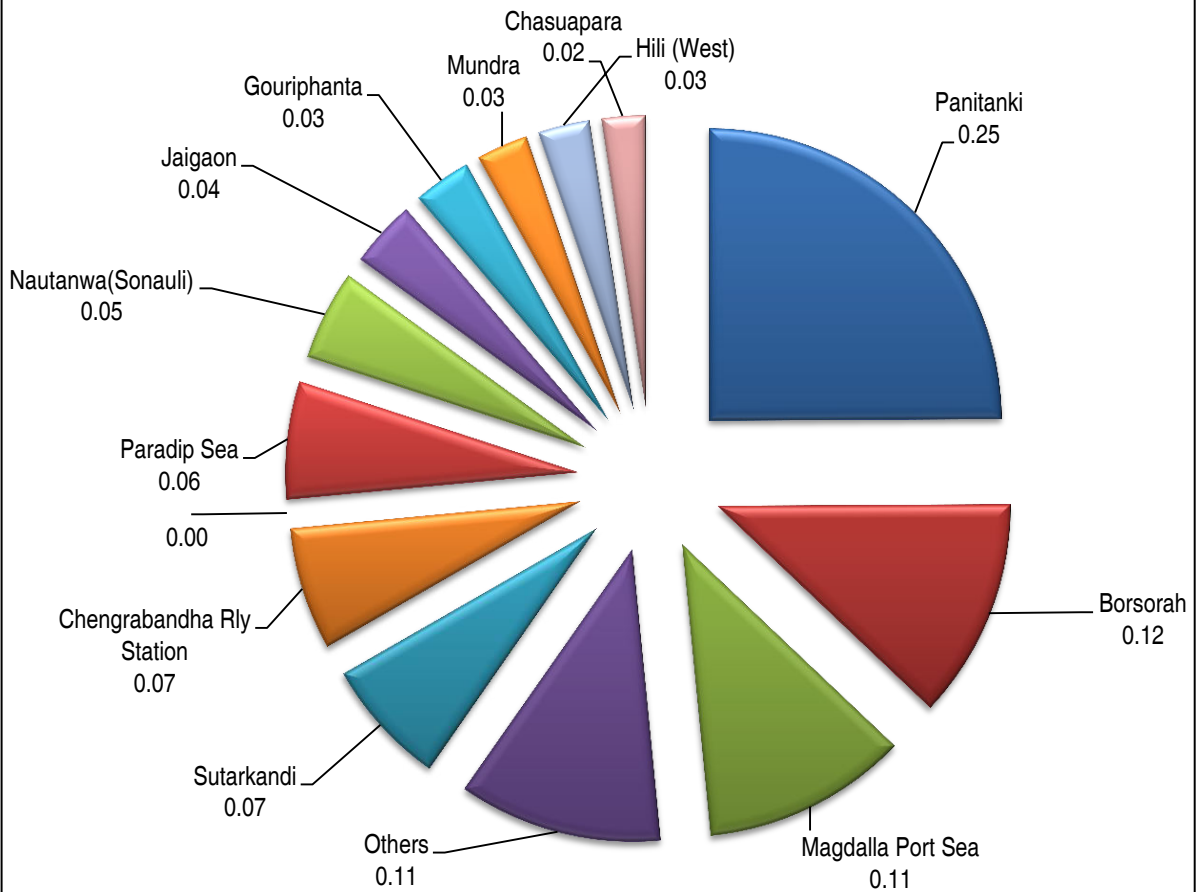


TABLE 7.1 : YEAR WISE IMPORT OF COAL AND COKE TO INDIA DURING LAST TEN YEARS

(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)
2005-06	16.891	95373	21.695	53722	38.586	149095	2.619	22186		
2006-07	17.877	101806	25.204	65080	43.081	166886	4.686	40211		
2007-08	22.029	121025	27.765	86358	49.794	207384	4.248	51231		
2008-09	21.080	226140	37.923	187268	59.003	413408	1.881	46051		
2009-10	24.690	201311	48.565	190489	73.255	391800	2.355	33311		
2010-11	19.484	208621	49.434	206875	68.918	415496	1.490	31204		
2011-12	31.801	424692	71.052	363683	102.853	788376	2.365	47585		
2012-13	35.557	378398	110.228	490057	145.785	868455	3.081	56919	0.0006	10
2013-14	36.872	348319	129.985	574973	166.857	923292	4.171	67995	0.0013	24
2014-15	43.715	337656	174.068	707411	217.783	1045066	3.294	43806	0.0006	17

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)
2005-06	0.046	88	1.943	2585	1.989	2673	0.157	790		
2006-07	0.107	222	1.447	2915	1.554	3137	0.076	323		
2007-08	0.036	84	1.591	2684	1.627	2768	0.097	987		
2008-09	0.109	245	1.546	3240	1.655	3485	1.338	7246		
2009-10	0.270	696	2.180	4347	2.450	5042	0.129	2080		
2010-11	0.111	265	1.764	4544	1.875	4809	0.729	11647		
2011-12	0.097	287	1.917	5525	2.014	5900	0.613	11525		
2012-13	0.056	302	2.387	8349	2.443	8651	1.201	6017	0.0691	360
2013-14	0.008	35	2.180	10805	2.188	10840	0.154	1521	0.0019	61
2014-15	0.042	413	1.196	6784	1.238	7197	0.102	1140	0.0028	40

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 2014-15

(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)
Andorra			0.079	328	0.079	328				
Australia	37.504	288739	10.116	55821	47.619	344561	0.215	2767		
Canada	1.856	14563	0.101	636	1.957	15200	0.000	2		
Chad			0.020	62	0.020	62				
Chile			1.728	5549	1.728	5549				
China PRP			0.019	334	0.019	334	2.027	25469	0.0000	1
Colombia			0.001	15	0.001	15	0.103	1909		
Germany			0.000	1	0.000	1	0.000	1	0.0002	6
Indonesia			123.734	451075	123.734	451075				
Iran			0.000	0	0.000	0				
Ireland					0.000	0	0.000	1		
Italy					0.000	0	0.039	590		
Japan					0.000	0	0.341	5090		
Latvia			0.001	11	0.001	11	0.004	55		
Lithuania					0.000	0	0.000	1		
Malaysia	0.003	25	0.009	36	0.012	61				
Mozambique	1.409	10635	0.570	2724	1.979	13359				
New Zealand	1.025	7897			1.025	7897				
Panama C Z			0.032	224	0.032	224				
Poland					0.000	0	0.098	1337		
Russia	0.133	882	1.200	7604	1.333	8486	0.132	1944		
South Africa	0.160	962	30.571	151675	30.731	152636				
Switzerland			0.026	111	0.026	111				
U Arab Emts			0.013	167	0.013	167				
U K	0.002	64	0.001	19	0.003	83	0.000	5		
U S A	1.602	13725	2.668	16276	4.270	30001			0.0004	10
Ukraine			0.201	1838	0.201	1838	0.306	4375		
US Minor Outlying Islands			0.000	1	0.000	1				
Venezuela					0.000	0	0.029	261		
Vietnam SOC REP			0.033	529	0.033	529				
Unspecified	0.021	164	2.946	12374	2.967	12538				
TOTAL	43.715	337656	174.068	707411	217.783	1045066	3.294	43806	0.0006	17

Source: DGCI & S, KOLKATA

TABLE 7.4 : DESTINATION COUNTRY-WISE EXPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2014-15

(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					0.000	0			0.0000	0
Baharain IS					0.000	0			0.0017	22
Bangladesh PR	0.007	38	0.535	2616	0.542	2654	0.003	27		
Bhutan			0.038	548	0.038	548	0.013	222		
China PRP					0.000	0			0.0000	0
Djibouti			0.000	0	0.000	0				
Egypt ARP					0.000	0	0.000	1	0.0000	1
Ghana					0.000	0	0.000	2		
Iran	0.035	372			0.035	372				
Italy					0.000	0	0.000	2		
Jordan			0.000	1	0.000	1	0.000	7		
Kenya			0.000	0	0.000	0	0.000	2		
Korea RP				0	0.000	0				
Kuwait			0.000	1	0.000	1				
Malaysia			0.000	2	0.000	2	0.000	2		
Maldives	0.000	0			0.000	0				
Morocco					0.000	0	0.000	1		
Nepal	0.000	2	0.482	3025	0.482	3027	0.056	400	0.0008	5
Nigeria			0.000	0	0.000	0	0.001	13		
Oman	0.000	1			0.000	1	0.002	20		
Pakistan IR					0.000	0	0.024	378	0.0000	0
Qatar			0.000	1	0.000	1				
Saudi Arab			0.000	2	0.000	2	0.001	22	0.0001	4
Slovenia			0.000	0	0.000	0				
South Africa					0.000	0	0.000	6		
Sri Lanka DSR			0.000	0	0.000	0	0.001	13	0.0001	2
Sudan					0.000	0	0.000	1		
Tanzania rep					0.000	0	0.000	1		
Thailand					0.000	0			0.0000	2
Turkey					0.000	0	0.000	1		
U Arab EMTS			0.141	588	0.141	588	0.001	22	0.0000	0
U S A					0.000	0			0.0001	3
Others					0.000	0				
TOTAL	0.042	413	1.196	6784	1.238	7197	0.102	1140	0.0028	40

Source: DGCI & S, KOLKATA

TABLE 7.5 : PORT WISE IMPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2014-15

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

Port	Coking Coal		Non Coking Coal		Total Coal		Coke & Others		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Alibag	0.258	2071	1.423	5366	1.682	7438	0.077	1133		
Appiic Multi Prod Sez Vizag DC			0.030	139	0.030	139	0.036	407		
Bedi Sea			5.394	20587	5.394	20587				
Bhavnagar			8.046	4471	8.046	4471				
Bhuj			0.388	1375	0.388	1375				
Chennai Sea	0.002	59	6.053	20408	6.055	20468	0.000	3		
Cochin Sea			0.080	348	0.080	348	0.002	38		
Dehej Sea			15.807	65525	15.807	65525				
Delhi (ICD)			0.000	0	0.000	0	0.000	1		
Dhamra(Chandbali)	6.914	53010	6.726	32245	13.640	85255				
Dharmatar Sea	0.221	1618	0.019	136	0.240	1753				
Ennore Sea	0.330	2665	6.391	33703	6.721	36368				
Gangavaram Port	5.443	41542	8.305	39101	13.747	80643	0.087	1301		
Hazira Port, Surat			1.712	5873	1.712	5873				
Hetero Infra Sez Nakkapalli AP			0.042	91	0.042	91				
ICD Bhusawal					0.000	0	0.003	51		
ICD Ludhiana			0.000	1	0.000	1				
Jabilant Infra Ltd Kandla			0.015	51	0.015	51				
Kakinada Sea	0.047	293	4.883	18083	4.929	18377				
Kandla Sea	0.482	4102	8.741	36378	9.224	40480				
Karikal	0.258	1956	0.282	1180	0.540	3136				
Kiadb Textile Sez Karnataka			0.095	310	0.095	310				
Kolkata Sea	5.687	44766	3.857	18433	9.544	63199	0.541	6905		
Krishnapatnam	3.383	24691	9.972	44092	13.355	68784	0.042	466		
Magdalla Port Sea	0.621	4502	3.905	16816	4.526	21318	0.997	14280		
Marmagoa Sea	4.988	39481	2.904	17643	7.891	57123	0.328	4170		
Mumbai Sea			5.537	23162	5.537	23162	0.000	1		
Mundra	1.223	9282	21.989	91296	23.212	100578	0.002	19	0.0000	0
Navlakhi			6.642	26941	6.642	26941				
Newmangalore Sea	0.877	6703	6.778	31523	7.656	38226	0.340	4408		
Nhava Sheva Sea	0.000	5	0.005	138	0.005	143	0.000	7	0.0006	17
Okha	0.177	1325	0.521	2318	0.697	3642				
Paradip Sea	6.732	52512	9.483	38093	16.215	90605	0.707	9037		
Parri Infra Co Pvt Ltd			0.042	134	0.042	134				
Pipavab(Vicyor)	0.063	486	1.453	7455	1.516	7941				
Porbandar			0.446	2249	0.446	2249				
Sez Dahej			0.003	14	0.003	14				
Sez Mundra			12.701	46238	12.701	46238				
Sez Wardha Power Ltd.			0.078	404	0.078	404				
Warora										
Sikka			0.027	145	0.027	145				
Tuticorin Sea			5.187	22884	5.187	22884	0.002	36		
Visakhapatnam Sea	6.008	46586	8.106	32059	14.114	78646	0.128	1543		
Other Ports					0.000	0				
TOTAL	43.715	337656	174.068	707411	217.783	1045066	3.294	43806	0.0006	17

Source: DGCI & S, KOLKATA

TABLE 7.6 : PORT WISE EXPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2014-15

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

Port	Coking Coal		Non-Coking Coal		Total Coal		Coke		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bagmara			0.003	14	0.003	14				
Banbasa, Champawat/Uttarakh and Bhollaganj	0.000	0	0.000	0	0.000	0				
Borsorah			0.000	2	0.000	2				
Cfs Mulund			0.151	667	0.151	667	0.000	0		
Chasuapara			0.030	133	0.030	133				
Chengrabandha Rly Station			0.084	428	0.084	428				
Chennai Sea									0.0000	0
Cochin Sea			0.000	1	0.000	1				
Dalu			0.005	22	0.005	22				
Dawki			0.020	87	0.020	87				
Delhi Air									0.0000	2
Ghajadanga			0.010	51	0.010	51	0.002	14		
Golokgans Rly. Stn			0.000	0	0.000	0				
Gouriphanta			0.040	75	0.040	75				
Hatisar (Deosiri)			0.004	37	0.004	37				
Hili (West)			0.035	161	0.035	161				
Icd Bangalore				0		0	0.000	0		
Icd Durgapur, WB							0.000	1		
Icd Hyderabad									0.0000	1
Icd Nagpur			0.000	1	0.000	1				
Icd Sabarmati			0.000	0	0.000	0	0.000	0		
Jaigaon			0.046	640	0.046	640	0.016	263		
Jogbani	0.000	1	0.015	81	0.016	81	0.001	6		
Kolkata Sea			0.000	0	0.000	0	0.000	8		
Kotwaligate (Mohedipur)			0.003	12	0.003	12				
Lcs Fulbari	0.005	25	0.005	31	0.010	55				
Magdalla Port Sea			0.141	583	0.141	583				
Mahendraganj	0.002	13	0.015	81	0.018	94				
Mankachar			0.007	36	0.007	36				
Marmagoa Sea							0.000	11		
Mundra	0.035	372	0.001	7	0.036	380	0.027	444	0.0000	0
Nautanwa (Sonauli)			0.062	431	0.062	431	0.033	223		
Nepalganj	0.000	1	0.025	159	0.025	161	0.001	8	0.0005	3
Newmangalore Sea									0.0017	22
Nhava Sheva Sea	0.000	0	0.000	2	0.000	3	0.001	14	0.0002	10
Old Raghna Bazar Ics (Tripura)			0.000	1	0.000	1				
Panitanki			0.308	2031	0.308	2031	0.008	49	0.0002	1
Paradip Sea			0.080	432	0.080	432				
Petrapole Land			0.000	2	0.000	2	0.001	12		
Pipavab (Vicyor)							0.001	8		
Raxaul Land			0.019	118	0.019	118	0.011	74	0.0001	1
Sutarkandi			0.087	456	0.087	456				
Tuticorin Sea	0.000	1	0.000	0	0.000	1	0.001	5		
Total	0.042	413	1.196	6784	1.238	7197	0.102	1140	0.0028	40

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 pulverised 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 carbonisation (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 it 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. This is why, major share of total coking coal produced indigenously go for use for metallurgical purpose.

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

8.1.6 Table 8.1 provides data on stock, receipt and consumption of indigenous and imported coking coal in integrated steel plants in the country. In 2014-15 the consumption of indigenous coking coal was 5.661 MT and that of imported coking coal was 21.133 MT. The corresponding figures for 2013-14 were 6.587 MT and 18.437 MT respectively. In 2014-15, in case of indigenous coking coal used by integrated steel plants, TISCO accounted for the consumption of 3.196 MT followed by consumption of 2.035 MT by SAIL. The remaining 0.430 MT was consumed by VSP. In case of consumption of imported coking coal, SAIL, TISCO and VSP accounted for 12.920 MT, 4.554 MT and 3.659 MT respectively.

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 2014-15. It can be seen that the total capacity of the washeries was 34.04 MTA. The share of public sector coal washeries was 27.14 MTA and the remaining 6.90 MTA was the share of private sector.

8.2.2 Table 8.4 shows performance of coking coal washeries for last three years. It is seen that the performance has been more or less static in the last three years (2012-13, 2013-14 and 2014-15) with washed coking coal production of 6.541 MT 6.614 MT and 6.070 MT respectively. The corresponding yield percentage was 44.7% 46.8% and 44.4% respectively.

8.2.3 Table 8.5 provides details of non-coking coal washeries owned by collieries in India. Table 8.6 records the performance of these washeries for last three years.

8.3 Power Generation Capacity

8.3.1 Table 8.7 gives the details of installed power generating capacity at all India level. It can be seen that the total power generation capacity has jumped from 69065 MW as on 31.03.1992 to 316379 MW as on 31.03.2015. Out of 316379 MW, the share of Power Utilities was 271722 MW. In Power Utilities, the mode wise shares are, thermal power 188898 MW, hydro power 41267 MW, renewable energy sources 35777 MW and nuclear power 5780 MW. The share of Non-utilities in the total power generating capacity as on 31.03.205 was 44657 MW.

8.3.2 Table 8.8 describes gross electricity generation by prime movers for last ten years. It is observed that the total gross electricity generation in 2014-15 was 1278908 MKwH. The share of utilities was 1116851 MKwh and that of non-utility was 162057 MKwH.

8.4 Cement

8.4.1 Table 8.10 provides details of consumption of coal and fuel in cement sector for the period 1999-2000 to 2014-15. As per information available from the Cement Manufacturer's Association of India, it is observed that in 2014-15, the total consumption of coal in cement sector was 21.05 MT in the form of coal for kilns 13.21 MT, lignite 1.70 MT and pet coke 6.14 MT. The consumption by captive power plant in cement industry was 8.52 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 Association of India. This

organisation could provide data only in respect of its member companies. Thus like previous year data at all India level was not available. The total receipt of coal including imported coal for cement manufacturing was 22.11 MT.

8.4.2 Table 8.9 provides further details on cement and clinker capacity, production and capacity utilization in the country from the year 1999-2000 to 2014-15. However, due to non-availability of data of the country as a whole from Cement Manufacturer's Association since 2012-13 state wise details of production, capacity etc. for the year 2014-15 could not be incorporated here. However, for reference, it is reported that in the 2011-12, highest production (34.10 MT) of cement was reported by Rajasthan. This was followed by Andhra Pradesh (29.75 MT), Tamil Nadu (20.97 MT) and Madhya Pradesh (20.54 MT). The cement production over the years has been increasing but the capacity utilization has been fluctuating during these years.

8.5 Some Key indicators for 2014-15

Installed Capacity of Coal Based Power Plants (Utilities + Non-Utilities) as on 31.03.2015	232189 MW
Electricity generation from coal based power plants in 2014-15	963692 MKwH
Installed capacity of Coking Coal Washeries in 2014-15	34.04 MTA
Production of Washed Coking Coal in 2014-15	6.070 MT
Installed capacity of Non-coking Coal Washeries in 2014-15	121.14 MT
Production of Washed Non-coking Coal in 2014-15	38.068 MT

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

(Quantity in Thousand Tonnes)

Plant	Item	2014-15						2013-14					
		Indigenous			Imported	Total Coking	Boiler Coal	Indigenous			Imported	Total Coking	Boiler Coal
		Prime	Medium	Total				Prime	Medium	Total			
BHILAI (B.S.P.)	Opn. Stock	3	8	11	133	144	56	5	4	9	128	137	73
	Receipt	33	539	572	4051	4623	510	309	506	815	3939	4754	506
	Consumption	35	502	537	4287	4824	511	352	536	888	4029	4917	529
	Cls. Stock	0	52	52	90	142	68	3	8	11	133	144	56
ROURKELA (R.S.P.)	Opn. Stock	2	6	8	65	73	83	5	4	9	75	84	156
	Receipt	217	159	376	2706	3082	1242	292	172	464	2391	2855	1176
	Consumption	218	139	357	2702	3059	1218	295	170	465	2400	2865	1230
	Cls. Stock	3	19	22	74	96	83	2	6	8	65	73	83
DURGAPUR (D.S.P.)	Opn. Stock	2	5	7	43	50	20	6	6	12	48	60	66
	Receipt	215	185	400	1613	2013	841	217	169	386	1576	1962	797
	Consumption	208	233	441	1684	2125	849	244	188	432	1508	1940	843
	Cls. Stock	2	2	4	35	39	47	2	5	7	43	50	20
BOKARO (B.S.L)	Opn. Stock	2	5	7	75	82	41	2	10	12	67	79	150
	Receipt	270	188	458	3078	3536	1941	233	151	384	2453	2837	1659
	Consumption	276	180	456	3155	3611	1906	220	162	382	2438	2820	1887
	Cls. Stock	9	10	19	105	124	73	2	5	7	75	82	41
ISP	Opn. Stock	5	0	5	50	55	1	1	0	1	27	28	8
	Receipt	241	0	241	1043	1284	139	322	0	322	1139	1461	151
	Consumption	244	0	244	1092	1336	177	331	0	331	1079	1410	172
	Cls. Stock	3	0	3	36	39	9	5	0	5	50	55	1
SAIL Total	Opn. Stock	14	24	38	366	404	201	19	24	43	345	388	453
	Receipt	976	1071	2047	12491	14538	4673	1373	998	2371	11498	13869	4289
	Consumption	981	1054	2035	12920	14955	4661	1442	1056	2498	11454	13952	4661
	Cls. Stock	17	83	100	340	440	280	14	24	38	366	404	201
TISCO	Opn. Stock	-	-	103	986	1089	-	63	105	168	556	724	51
	Receipt	-	-	3230	5242	8472	-	1027	2569	3596	3285	6881	56
	Consumption	-	-	3196	4554	7750	-	1042	2643	3685	3341	7026	69
	Cls. Stock	-	-	137	1674	1811	-	48	31	79	500	579	38
VSP	Opn. Stock	0	64	64	214	278	23	0	73	73	112	185	127
	Receipt	0	562	562	3844	4406	1419	0	396	396	3743	4139	1350
	Consumption	0	430	430	3659	4089	1365	0	404	404	3642	4046	1454
	Cls. Stock	0	197	197	398	595	77	0	64	64	214	278	23
Grand Total	Opn. Stock	14	88	205	1566	1771	224	82	202	284	1013	1297	631
	Receipt	976	1633	5839	21577	27416	6092	2400	3963	6363	18526	24889	5695
	Consumption	981	1484	5661	21133	26794	6026	2484	4103	6587	18437	25024	6184
	Cls. Stock	17	280	434	2412	2846	357	62	119	181	1080	1261	262

TABLE-8.2: TRENDS OF CONSUMPTION OF COKING COAL IN DIFFERENT STEEL PLANTS BY TYPE, HOT METAL PRODUCTION AND BLEND RATIO

(Quantity 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	2010-11	704	13.3	450	8.5	0	0.0	4133	78.2	5287	100.0	5708
	2011-12	433	9.9	492	11.3	0	0.0	3428	78.8	4353	100.0	5125
	2012-13	450	11.5	405	10.3	0	0.0	3067	78.2	3922	100.0	5206
	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
BSL	2010-11	475	13.7	342	9.8	0	0.0	2661	76.5	3478	100.0	4108
	2011-12	378	11.6	341	10.5	0	0.0	2534	77.9	3253	100.0	4012
	2012-13	376	12.1	221	7.1	0	0.0	2502	80.7	3099	100.0	4126
	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
DSP	2010-11	307	15.7	207	10.6	0	0.0	1444	73.7	1958	100.0	2142
	2011-12	217	12.2	191	10.8	0	0.0	1364	77.0	1772	100.0	2099
	2012-13	308	17.7	122	7.0	0	0.0	1312	75.3	1742	100.0	2241
	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
Rourkela	1999-00	634	58.0	281	25.7	42	3.8	137	12.5	1094	100.0	731
Rourkela	2010-11	435	19.3	144	6.4	0	0.0	1674	74.3	2253	100.0	2302
	2011-12	423	18.7	126	5.6	0	0.0	1712	75.7	2261	100.0	2309
	2012-13	449	19.9	130	5.8	0	0.0	1677	74.3	2256	100.0	2365
	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
ISP	2010-11	495	43.5	92	8.1	0	0.0	550	48.4	1137	100.0	495
	2011-12	377	30.0	97	7.7	0	0.0	781	62.2	1255	100.0	451
	2012-13	319	33.9	44	4.7	0	0.0	578	61.4	941	100.0	231
	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
DPL	2010-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2012-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2013-14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2014-15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VSP(RINL) Visakhapatnam	2010-11	0	0.0	361	9.5	0	0.0	3444	90.5	3805	100.0	3830
	2011-12	0	0.0	507	12.6	0	0.0	3503	87.4	4010	100.0	3778
	2012-13	0	0.0	503	11.2	0	0.0	3996	88.8	4499	100.0	3814
	2013-14	0	0.0	404	10.0	0	0.0	3642	90.0	4046	100.0	3769
	2014-15	0	0.0	430	9.5	0	0.0	4089	90.5	4519	100.0	3780
TISCO Jamshedpur	2010-11	847	16.4	1921	37.1	0	0.0	2406	46.5	5174	100.0	7503
	2011-12	830	15.4	2077	38.5	0	0.0	2483	46.1	5390	100.0	7750
	2012-13	907	14.9	2343	38.4	0	0.0	2854	46.8	6104	100.0	8850
	2013-14	1042	14.8	2643	37.6	0	0.0	3341	47.6	7026	100.0	9899
	2014-15	0.0	0.0	0.0	0.0	3196	41.2	4554	58.8	7750	100.0	10163

TABLE 8.3: COKING COAL WASHERIES IN INDIA DURING 2014-15

Sector	Owner Company	Name of Washery	Year of Commissioning	Feed Type	State	Location/Coal field	Raw Coal Capacity (MTA)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Public	Bharat Coking Coal Ltd.	Dugda-II	1968	Pr. Ckg.	Jharkhand	Jharia	2.00	
		Bhojudih	1962 (Expn-64)	Pr. Ckg.	Jharkhand	Jharia	1.70	
		Patherdih	1964	Pr. Ckg.	Jharkhand	Jharia	1.60	
		Sudamdih	1981	Pr. Ckg.	Jharkhand	Jharia	1.60	
		Barora	1982	Pr. Ckg.	Jharkhand	Jharia	0.42	
		Moonidih	1983	Pr. Ckg.	Jharkhand	Jharia	1.60	
		Mahuda	1990	Md. Ckg.	Jharkhand	Jharia	0.63	
		Madhuband	1998	Pr. Ckg.	Jharkhand	Jharia	2.50	
		Dugda-I	1998	Pr. Ckg.	Jharkhand	Jharia	2.50	
	Total							14.6
		Central Coalfields Ltd.	Kathara	1970	Md. Ckg.	Jharkhand	E. Bokaro	3.00
			Swang	1970	Md. Ckg.	Jharkhand	E. Bokaro	0.75
			Rajrappa	1987	Md. Ckg.	Jharkhand	Ramgarh	3.00
			Kedla	1997	Md. Ckg.	Jharkhand	W.Bokaro	2.60
	Total							9.35
	Western Coalfields Ltd.	Nandan(WCL)	1985	Md. Ckg.	M.P.	Pench-Kanhan	1.20	
Total of Coal India Ltd							25.1	
	Steel Authority of India Ltd.	Chasnala	1968/90	Coking	Jharkhand		2.04	
Total Public							27.14	
Private	Tata Steel Ltd.	W.Bokaro-II	1982	Md. Ckg.	Jharkhand	E. Bokaro	1.80	
		W.Bokaro-III	1995	Md. Ckg.	Jharkhand	E. Bokaro	2.10	
		Jamadoba	1952 (Expn-73)	Pr. Ckg.	Jharkhand	Jharia	0.90	
		Bhelatand	1995	Pr. Ckg.	Jharkhand	Jharia	0.86	
Total							5.66	
Private	Electrosteel Castings Limited	Coal Benification Plant	November, 2008		Jharkhand	Jharia	1.24	
Total Private							6.90	
Grand Total							34.04	

TABLE 8.4: COKING COAL WASHERY PERFORMANCE IN LAST THREE YEARS

(Quantity in Thousand Tonnes)

Year	Owner Company	Raw Coal Feed	Washed Coal	
			Production	Yield (%)
(1)	(2)	(3)	(4)	(5)
2014-15	BCCL	1656	387	23.4
	CCL	3529	1648	46.7
	WCL	232	73	32.3
	Total CIL	5417	2108	38.9
	SAIL	1140	517	45.4
	Total Public	6557	2625	40.0
	TSL (Private)	6686	3267	48.9
	ESCL	420	178	42.4
	Total Private	7106	3445	48.5
	Grand Total	13663	6070.0	44.4
2013-14	BCCL	2374	953	40.1
	CCL	2946	1358	46.1
	WCL	229	120	52.4
	Total CIL	5549	2431	43.8
	SAIL	787	408	51.8
	Total Public	6336	2839	44.8
	TSL (Private)	7458	3656	49.0
	ESCL	353	119	33.7
	Total Private	7811	3775	83
	Grand Total	14147	6614.0	46.8
2012-13	BCCL	2879	1329	46.2
	CCL	2921	1239	42.4
	WCL	281	144	51.2
	Total CIL	6081	2712	44.6
	SAIL	863	448	51.9
	Total Public	6944.0	3160	45.5
	TSL (Private)	7704	3381	43.9
	Total Private	7704	3381	43.9
	Grand Total	14648	6541.0	44.7

TABLE 8.5: NON COKING COAL WASHERY OWNED BY COLLIRIES IN INDIA DURING 2014-15

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	Bharat Coking Coal Ltd.	Dugda-I	1968	Non-Ckg	Jharkhand	Jharia	1.00	
		Lodna	1955, 1990	Non-Ckg	Jharkhand	Jharia	0.48	
		Madhuband	1998	Non-Ckg	Jharkhand	Jharia	2.50	
								3.98
	Central Coalfields Ltd.	Gidi	BN	Non-Coking	Jharkhand	E. Bokaro	2.50	
		Piparwar	BN	Non-Coking	Jharkhand	N.Karanpura	6.50	
		Kargali	1976	Non-Coking	Jharkhand	S.Karanpura	2.72	
								11.72
	Northern Coalfields Ltd.	Bina Deshelling Plant	1976-77	Non-Coking	U.P.	Bina	4.50	
	Total of Coal India Ltd.							20.20
Total Public				Non-Coking			20.20	
Private	ARYAN COAL BENEFICATION (INDIA)	CHAKABUWA	2004	Non-Coking	Chhatisgarh	Korba	4.00	
		DIPKA	1999-2000	Non-Coking	Chhatisgarh	Korba	12.00	
		PANDER PAUNI	2003-04	Non-Coking	Maharashtra	Bollarpur	3.00	
		GEVRA	2007-08	Non-Coking	Chhatisgarh	Korba	5.00	
		BINJHRI	2010-11	Non-Coking	Chhatisgarh	Korba	0.96	
		HIMGIR	1999-2000	Non-Coking	Orissa	Hemgir	5.00	
	ARYAN ENERGY PVT. LTD.	INDARAM		Non-Coking	A.P.	Ramagundam	0.60	
		TALCHER	2003	Non-Coking	Orissa	Talcher	2.00	
	BHATIA INTERNATIONAL LIMITED	WANI	2004	Non-Coking	Maharashtra	Wardha	3.73	
		GHUGUS	2005	Non-Coking	Maharashtra	Wardha	4.00	
		JHARSUGUDA	2008	Non-Coking	Orissa	Chhualiberna	1.50	
	BLA INDUSTRIES PVT. LTD.	PANDER PAUNI	2011	Non-Coking	Maharashtra	Pandherpouni	0.96	
		DHARMASTHAL COAL PROJECT	2004-05	Non-Coking	M.P.	Gadarwara	0.30	
		JHARSUGUDA	2008	Non-Coking	Orissa	Talcher	4.00	
	EARTH MINERAL CO. LTD.	JHARSUGUDA	2008	Non-Coking	Orissa	Talcher	4.00	
	GLOBAL COAL & MINING PVT. LTD	IB VALLEY	2006	Non-Coking	Orissa	Ib valley	4.00	
		RAMAGUNDAM	2004	Non-Coking	A.P.	Ramagundam	1.00	
		TALCHER	2002	Non-Coking	Orissa	Talcher	4.00	
	GUPTA COAL FIELD & WASHERIES LTD.	MANUGURU	2009	Non-Coking	A.P.	Manuguru	0.96	
		SASTI		Non-Coking	Maharashtra	Wardha	2.40	
		RAMAGUNDAM	2001-02	Non-Coking	Maharashtra	Ramagundam	2.40	
		GHUGUS	2005-06	Non-Coking	Maharashtra	Wardha	2.40	
		GONDEGAON		Non-Coking	Maharashtra	Kamptee	2.40	
		MAJRI	2006-07	Non-Coking	Maharashtra	Wardha	2.40	
		WANI	2001-02	Non-Coking	Maharashtra	Wardha	1.92	
	JINDAL STEEL & POWER LTD.	JINDAL MINE WASHERY	2002	Non-Coking	Chhatisgarh	Mand Raigarh	6.00	
JINDAL POWER LTD.	JPL	2013	Non-Coking	Chhatisgarh	Raigarh	4.75		
INDO UNIQUE FLAMES LTD	PUNWAT	2006	Non-Coking	Maharashtra	Wardha	2.40		
	WANI	2003	Non-Coking	Maharashtra	Wardha	2.40		
KARTIKAY COAL WASHERIES PVT LTD	WANI	2005-06	Non-Coking	Maharashtra	Wardha	2.50		
SARDA ENERGY & MINERAL LTD.	KARWAHI WASHERY DIV.	2011	Non-Coking	Chhatisgarh	Raigarh	0.96		
SPECTRUM COAL & POWER LTD	RATIJA	1999	Non-Coking	Chhatisgarh	Korba	11.00		
Total Private							100.94	
Grand Total							121.14	

TABLE 8.6 : PERFORMANCE OF NON COKING COAL WASHERIES OWNED BY COLLIERIES IN INDIA FOR LAST THREE YEARS

(Quantity in Thousand Tonnes)

Year	Company	Raw Coal Feed	Production	Yield (%)	
(1)	(2)	(3)	(4)	(5)	
2014-15	BCCL *	109	83	76.15	
	CCL	7281	6689	91.87	
	NCL	3616	3441	95.16	
	Total CIL	11006	10805	98.17	
	Total Public	11006	10805	98.17	
	ARYAN COAL BENEFICATION PVT.LTD.	18989.42	14975.65	78.86	
	ARYAN ENERGY PVT. LTD.	600.69	441.52	73.50	
	BHATIA COAL WASHERIES LTD.	170.27	112.70	66.19	
	B L A INDUSTRIES PVT LTD.	300.03	314.47	104.81	
	GLOBAL COAL & MINING PVT. LTD.	2498.20	1808.71	72.40	
	JINDAL STEEL & POWER LTD.	5720.39	2171.82	37.97	
	JINDAL POWER LIMITED	1788.40	1261.61	70.54	
	KARTIKAY COAL WASHERIES PVT. LTD.	57.56	47.51	82.54	
	SARDA ENERGY & MINERALS LTD.	763.31	317.41	41.58	
	SPECTRUM COAL & POWER LTD.	7311.71	5811.13	79.48	
	Total Private	38199.98	27262.52	71.37	
	Grand Total	49205.98	38067.52	77.36	
	2013-14	BCCL *	157	111	70.70
		CCL	7497	6930	92.44
		NCL	3998	3778	94.50
Total CIL		11652	10819	92.85	
Total Public		11652	10819	92.85	
ARYAN COAL BENEFICATION PVT.LTD.		15206.67	11771.87	77.41	
ARYAN ENERGY PVT. LTD.		385.46	283.59	73.57	
BHATIA COAL WASHERIES LTD.		951.90	576.63	60.58	
B L A INDUSTRIES PVT LTD.		300.09	304.68	101.53	
GLOBAL COAL & MINING PVT. LTD.		56053.25	33314.00	59.43	
JINDAL STEEL & POWER LTD.		5760.00	2094.00	36.35	
JINDAL POWER LIMITED		1791.22	1146.27	63.99	
KARTIKAY COAL WASHERIES PVT. LTD.		13.43	10.59	78.85	
SARDA ENERGY & MINERALS LTD.		819.90	328.05	40.01	
Total Private		81281.92	49829.68	61.30	
Grand Total		92933.92	60648.68	65.26	
2012-13		BCCL *	165	108.00	65.45
	CCL	7891	7217.00	91.46	
	NCL	4221	3957.00	93.75	
	Total CIL	12277.00	11282.00	91.90	
	Total Public	12277.00	11282.00	91.90	
	ARYAN COAL BENEFICATION PVT.LTD.	17916.13	13609.29	75.96	
	ARYAN ENERGY PVT. LTD.	364.29	264.78	72.68	
	B L A INDUSTRIES PVT LTD.	299.80	283.79	94.66	
	Earth Minerals Company Ltd	315.13	223.06	70.78	
	GLOBAL COAL & MINING PVT. LTD.	4300.77	2954.56	68.70	
	JINDAL STEEL & POWER LTD.	2254.22	740.07	32.83	
	KARTIKAY COAL WASHERIES PVT. LTD.	167.14	123.07	73.63	
	SARDA ENERGY & MINERALS LTD.	664.77	287.41	43.23	
	Total Private	26282.25	18486.03	70.34	
	Grand Total	38559.25	29768.03	77.20	

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 8TH 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 2 Annual Plans(31.03.92)	19194	44791	3095	168	48054	1785	32	69065
End of 8 th Plan (31.03.97)	21658	54154	6562	294	61010	2225	902	85795
End of 9 th Plan (31.03.2002)	26269	62131	11163	1135	74429	2720	1628	105046
31.03.2003 (Utilities only)	26767	63951	11633	1178	76762	2720	1628	107877
31.03.2004 (Utilities only)	29507	64956	11840	1173	77969	2720	2488	112684
31.03.2005 (Utilities only)	30942	67791	11910	1202	80902	2770	3811	118426
31.03.2006 (Utilities only)	32326	68519	12690	1202	82411	3360	6191	124287
End of 10 th 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

Note:

(i) The Installed Capacity includes allocated 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 GENERATION BY PRIME MOVERS (MILLION KWH)

Year	Sector	Hydro	Thermal Electricity				Nuclear	Grand Total
			Coal based	Gas based	Diesel etc.	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2006-07	Utilities	113502	461794	64157	12399	538350	18802	670654
	Non Utilities	218	56184	15207	10191	81582		81800
	Total	113720	517978	79364	22590	619932	18802	752454
2007-08	Utilities	120387	486998	69716	28567	585281	16957	722625
	Non Utilities	202	53569	25585	11121	90275	0	90477
	Total	120589	540567	95301	39688	675556	16957	813102
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

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	Capacity	
			Production	Ground	Production	Utilisation(%)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
1999-00	All India	111.16	86.34	81.94	94.21	86	
2000-01	All India	121.93	84.45	80.28	93.61	81	
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						

Source : Cement Manufacturers' Association

TABLE 8.10: CONSUMPTION OF COAL AND FUEL IN CEMENT SECTOR IN 2014-15

(Quantities are in Million Tonnes)

Year	Coal Receipt				Pet coke / Lignite Purchase	Annual Fuel Procurement	Consumption					Annual Fuel Consumption	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)
1999-00	9.01	0.63	6.04	15.68	0.05	15.73	13.60	0.05	0.00	13.65	1.77	15.42	94.21	14.49	15.81
2000-01	9.74	0.79	4.40	14.93	0.42	15.35	13.05	0.05	0.37	13.47	1.90	15.37	93.61	14.39	15.95
2001-02	11.09	0.87	3.37	15.33	0.96	16.29	12.82	0.08	0.88	13.78	2.03	15.81	102.40	13.46	15.62
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.

* The data is as provided by CMA only in respect of it's Member Companies.

** The ratio mainly relates to Dry process.

Source: Cement Manufacturers' Association.

Section IX

Captive Coal Blocks

9.1 The concept of Captive Coal Block and policy of allocation of Captive Coal Block have already been elaborated in Section I. As per policy, from beginning of allocation of captive coal block till 31.3.2014, total 218 coal blocks were allocated to different companies. Out of these allocated 218 coal blocks, 87 have been de-allocated for non-performance and 7 blocks have been reallocated making effecting allocation of 138 coal blocks as on 31.3.2014. However, during 2014-15 there were drastic changes in the Captive Coal Block Scenario. The Hon'ble Supreme Court of India by its judgments dated 25th August, 2014 read with order dated 24th September, 2014 cancelled allocation of 204 coal blocks and directed the government to take up fresh allocation through e-auction process. However, the producing coal blocks were permitted to continue production till 31.03.2015. Thus as on 31.03.2015, 40 number of coal blocks were producing.

In Table 9.1, it can be seen that up to 24-09-2014, 78 coal blocks were allocated to public sector undertakings and 60 coal blocks to private companies. Out of 138 coal blocks, allocation to Power sector was 72 (public 44 and private 28). Similarly the allocation to Iron and Steel sector was 30 (public 02, and private 28). 32 captive coal blocks were allocated to different public sector units for commercial captive purpose and 4 blocks to private sector were allocated for commercial purpose and cement uses.

9.2 After 24-09-2014 and till 31-03-2015, 56 number of coal blocks remained allocated to different sectors. From Table 9.1 it can be seen that the total estimated geological reserves of these coal blocks were 10551.671 million tonnes. The share of reserves of power sector was 9008.82 million tonnes, iron and steel 1062.061 million tonnes and commercial mining and cement 480.790 million tonnes.

9.3 As per policy the allotment of captive coal blocks started in 1993 and one coal block was allocated to private sector power plant. In the initial phase, the allotment of captive coal

blocks was limited in number. However, in the later phase the number increased many fold. In the year 2003, 16 coal blocks were allocated for captive use. The maximum number of coal blocks till date was allocated in the year 2006 when 34 coal blocks were allocated to different companies. This was followed by allocation of 29 coal blocks in the year 2007. Between 2003 to 2009, 113 coal blocks were allocated to different companies to push up production of coal/power. It is observed that the major allocation is in the period 2003-2009. From the angle of Geological Reserve (GR), the maximum allocation has been made in the state of Jharkhand (30.29%) followed by the state of Odisha (26.11%) and Chhattisgarh (26.07%). Chart of 9.3 shows state wise sector wise allotment of captive coal blocks.

9.4 Out of 138 coal blocks allocated for captive use till 31st March, 2015, 40 coal blocks (22 in power sectors, 13 in Iron and Steel, 03 in Govt. Commercial and 2 in private commercial) have started production and during the year 2014-15, total production from the captive coal blocks was reported to be 52.722 MT. The major production was from the coal blocks allocated to the power sector and it was 37.927 MT followed by Iron and Steel sector and was 11.954 MT. Table 9.5 provides details of coal production from captive coal blocks since 1997-98. It also gives projection for production of coal during the 12th five year plan.

9.5 From Table 9.1 we can see that in 2014-15, in case of lignite, out of 25 lignite blocks 19 belonged to public sector with geological reserves of 1489.93 MT and 6 belonged to private sector with geological reserves of 107.30 MT. Out of 25 lignite blocks 15 belonged to power sector and 10 for captive commercial use. From table 9.8 it can be seen that out of 25 lignite blocks 12 blocks were producing as on 31.03.2015.

9.6 Table 9.6 shows the details on allocated captive coal blocks as on 31.3.2015.

TABLE 9.1: SUMMARY OF COAL AND LIGNITE BLOCKS DURING 2014-15

Sector	End Use	Mode of Allotment	TILL 24/09/2014		AFTER 24/09/2014 TILL 31/03/2015	
			No of Blocks	Geological Reserves (Qty. in MT)	No of Blocks	Geological Reserves (Qty. in MT)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A. COAL BLOCKS						
Public Sector Undertakings	Power	Govt. dispensation	44	15914.638	18	3795.290
	Power	Captive dispensation				
		Sub total	44	15914.638	18	3795.290
	Commercial Mining	Govt. dispensation	32	7090.052	4	246.060
	Iron & Steel	Govt. dispensation	2	360.230	1	251.880
	Iron & Steel	Captive dispensation				
		Sub total	2	360.230	1	251.880
		PSU Total	78	23364.920	23	4293.230
Private Companies	Power	Captive dispensation	16	2576.870	5	466.130
	Power	Ultra Mega Power Project	12	4747.400	12	4747.400
		Sub total	28	7324.270	17	5213.530
	Iron & Steel	Captive dispensation	28	3495.426	12	810.181
	Cement	Captive dispensation	2	225.390	2	225.390
	Small and Isolated Patch (Commercial Mining)	Captive dispensation	2	9.340	2	9.340
	Coal to Oil	Captive dispensation				
	Pvt. Total	60	11054.426	33	6258.441	
ALL INDIA	Power		72	23238.908		
	Iron & Steel		30	3855.656		
	Cement		2	225.390		
	Commercial Mining		34	7099.392		
	Coal to Oil					
		Grand Total		138	34419.346	56

Sector	End Use	Mode of Allotment	No of blocks	Geological Reserves (Qty. in MT)
(1)	(2)	(3)	(4)	(5)

B. LIGNITE BLOCKS

State PSU	Power	Govt. dispensation	10	1027.530
	Commercial	Govt. dispensation	9	462.400
		Subtotal	19	1489.930
Private	Power	Captive dispensation	5	99.500
	Commercial	Captive dispensation	1	7.800
		Subtotal	6	107.300
ALL INDIA	Power		15	1127.030
	Commercial		10	470.200
		Grand Total	25	1597.230

NOTE :

(1) Out of total 218 captive coal blocks, Hon'ble Supreme Court of India vide judgement dated 25th August, 2014 read with its order dated 24th September, 2014 has cancelled the allocation of 204 captive coal blocks (Schedule-I Coal Mines) as per the Coal Mines (Special Provisions) Ordinance, 2014 promulgated as the Coal Mines (Special Provisions) Act, 2015.

(2) Out of 204 Schedule-I coal mines, 42 coal mines have been considered under Schedule- II coal mines for which 1st day of April, 2015 being the date on which the allocation of coal blocks to prior allottees shall stand cancel, in pursuance of the order of the Hon'ble Supreme Court dated 24-09-2014 passed in Writ Petition (Criminal) No. 120 of 2012.

(3) The above facts and figures are for 56 captive coal mines (14 stands allocated and 42 Schedule-II coal mines).

(4) GR quantities are GR value as available with this office and subject to change for few blocks with approval of mine plan.

Table 9.2: Yearwise and Sectorwise Allotment of Captive Coal Blocks (till 24/09/2014)

(GR in Million Tonnes)

Year of Allotment	Power		Ultra Mega Power Project		Iron & Steel		Govt. Commercial		Private Comm & Cement		Coal to Oil		Total	
	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1993	1	171.800											1	171.800
1994	1	22.550											1	22.550
1995	1	100.000											1	100.000
1996	1	100.000			3	484.215			2	9.340			6	593.555
1997													0	0.000
1998	3	375.207											3	375.207
1999					2	153.1835							2	153.184
2000					1	67.170							1	67.170
2001	1	562.000			1	24.260							2	586.260
2002	1	92.920											1	92.920
2003	10	317.590			4	427.169	2	322.120					16	1066.879
2004	4	1899.890											4	1899.890
2005	5	1557.090			11	1528.530	1	61.730					17	3147.350
2006	10	5815.008	6	1591.860	3	183.548	15	5274.616					34	12865.032
2007	11	3746.8632	1	916.520	3	240.580	12	1264.835	2	225.390			29	6394.188
2008	5	1337.410	1	100.000	1	241.000	1	110.000					8	1788.410
2009	1	137.000	3	1339.020	1	506.000							5	1982.020
2010			1	800.000									1	800.000
2011							1	56.7510					1	56.751
2012													0	0.000
2013*	5	2256.180											5	2256.180
2014	0	0.000											0	0.000
Total	60	18491.508	12	4747.400	30	3855.656	32	7090.052	4	234.730	0	0.000	138	34419.346

NOTE : Details of status of captive coal blocks during 2014-15 has been given as foot note under Table 9.1.

Table 9.3: Yearwise Allotment and Sectorwise Status of Captive Coal Blocks

(from 24.09.2014 till 31.03.2015)

(GR in Million Tonnes)

Year of Allotment	Power		Ultra Mega Power Project		Iron & Steel		Govt. Commercial		Private Comm & Cement		Coal to Oil		Total	
	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1993	1	171.80											1	171.800
1994	1	22.55											1	22.550
1995	1	100.00											1	100.000
1996	1	100.00			3	484.22			2	9.34			6	593.56
1997													0	0.00
1998	2	178.86											2	178.86
1999					1	38.85							1	38.85
2000					1	67.17							1	67.17
2001	1	562.00			1	24.26							2	586.26
2002	1	92.92											1	92.92
2003	9	173.59			2	68.29	1	4.79					12	246.67
2004	1	1436.00											1	1436.00
2005	3	890.84			4	269.68	1	61.73					8	1222.25
2006			6	1591.86			1	123.54					7	1715.40
2007	2	532.86	1	916.52	1	109.60	1	56.00	2	225.39			7	1840.37
2008			1	100.00									1	100.00
2009			3	1339.02									3	1339.02
2010			1	800.00									1	800.00
2011													0	0.00
2012													0	0.00
2013													0	0.00
2014													0	0.00
2015													0	0.00
Total	23	4261.42	12	4747.40	13	1062.06	4	246.06	4	234.73	0	0	56	10551.67

Note: * Till March'2015

GR=Geological Reserves as estimated during allocation.

NOTE : Details of status of captive coal blocks during 2014-15 has been given as foot note under Table 9.1.

Table 9.4: Statewise and Sectorwise Status of Captive Coal Blocks during 2014-15
(GR in Million Tonnes)

State	Power		Ultra Mega Power Project		Iron & Steel		Govt. Commercial		Private Comm & Cement		Coal to Oil		Total	
	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
TILL 24/09/2014														
Arunachal Pradesh							1	4.79					1	4.79
Telangana	1	77.04											1	77.04
Chhattisgarh	13	4500.66	2	1113.67	6	484.55	9	2875.02					30	8973.90
Jharkhand	18	7494.65	2	1141.87	11	1220.51	6	571.00					37	10428.02
Maharashtra	6	156.91	1	100.00	7	110.10	1	24.18					15	391.19
Madhya Pradesh	2	613.55	3	706.86			8	1062.76	4	234.73			17	2617.90
Odisha	12	4978.74	4	1685.00	4	1424.90	1	898.50					21	8987.13
West Bengal	8	669.97			2	615.60	6	1653.80					16	2939.37
Total	60	18491.51	12	4747.40	30	3855.66	32	7090.05	4	234.73	0	0.0	138	34419.35
After 24.09.2014 Till 31.03.2015														
Arunachal Pradesh							1	4.79					1	4.79
Telangana													0	0.00
Chhattisgarh	4	711.72	2	1113.67	5	377.35							11	2202.74
Jharkhand	4	2700.27	2	1141.87	3	512.40							9	4354.54
Maharashtra	6	156.91	1	100.00	4	62.71							11	319.62
Madhya Pradesh			3	706.86			2	179.54	4	234.73			9	1121.13
Odisha	1	22.55	4	1685.00									5	1707.55
West Bengal	8	669.97			1	109.60	1	61.73					10	841.30
Total	23	4261.42	12	4747.40	13	1062.06	4	246.06	4	234.73	0	0.0	56	10551.67

NOTE : Details of status of captive coal blocks during 2014-15 has been given as foot note under Table 9.1.

**TABLE 9.5: COAL PRODUCTION FROM CAPTIVE BLOCKS SINCE 1997-98,
PROJECTION FOR XI TH FIVE YEAR PLAN AND CCO ESTIMATES**

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

XI th Five Year Plan

2007-08	Target 1	13	13.90	4	8.05	1	0.20	2	0.33	28	22.48
2007-08	Achvmt	7	12.83	5	8.01	1	0.08	2	0.33	15	21.25
2008-09	Target 1	20	22.53	14	11.21	3	1.65	3	0.33	58	35.72
2008-09	Achvmt	14	21.25	8	8.39	1	0.14	2	0.24	25	30.01
2009-10	Target 1	30	24.90	37	19.04	6	2.85	2	0.30	77	47.09
2009-10	Achvmt	14	25.735	11	9.475	1	0.25			26	35.46
2010-11	Target 1	33	35.80	41	31.20	8	5.70	2	0.30	86	73.00
2010-11	Target 2	15	25.50	9	9.64	1	0.20	2	0.30	27	35.64
2010-11	Achvmt	15	24.36	10	9.27	1	0.30	2	0.30	28	34.22
2011-12	Target 1	42	54.28	41	41.30	8	8.20	2	0.30	93	104.08
2011-12	Target 2	18	27.30	16	10.35	2	0.30	2	0.30	38	38.25
2011-12	Achvmt	15	25.82	11	9.83	1	0.22	2	0.30	29	36.17

XII th Five Year Plan

2012-13	Target	17	26.80	17	11.10	3	1.00	2	0.30	39	39.20
2012-13	Achvmt	19	25.59	13	10.72	2	0.42	2	0.30	36	37.04
2013-14	Target	20	28.25	21	12.16	4	0.57	3	0.30	48	41.28
2013-14	Achvmt	22	26.81	13	11.64	3	0.73	2	0.30	40	39.49
2014-15	Target	25	37.87	14	12.69	3	1.01	4	0.30	46	51.87
2014-15	Achvmt	22	37.927	13	11.954	3	2.541	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 9.6 : List of Allocated Coal Blocks till 24.09.2014

Sl No	Name of the Block	No of Block	Geological Reserve (In Million Tonnes)	Date of Allotment	Company	PUS/PVT	Sector of Allotment
TELANGANA							
1	Tadicherla-I	1	77.040	06.12.05	Andhra Pradesh Power Generation Corpn. Ltd.	PSU(S)	Power
ARUNACHAL PRADESH							
2	Namchik Namphuk	1	4.790	28.10.03	Arunachal Pradesh Mineral Dev. Corporation	PSU(S)	Commercial
CHHATTISGARH							
3	Gare Palma, Sector-I	1	1667.715	02.08.06	Chhattisgarh Mineral Development Corporation Limited (CMDCL)	PSU(S)	Commercial
4	Morga-I	1	250.000	02.08.06	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
5	Morga II	1	350.000	02.08.06	Gujarat Mineral Development Corporation (GMDC)	PSU(S)	Commercial
6	Sondiha	1	83.166	25.07.07	Chhattisgarh Mineral Development Corporation Limited (CMDCL)	PSU(S)	Commercial
7	Vijay Central	1	56.751	1.11.2011	Coal India Ltd., SKS Ispat & Power Ltd.	PSU(S)	Commercial
8	Tara	1	317.330	14.08.03	Chhattisgarh Mineral Development Corporation Limited (CMDCL)	PSU(S)	Commercial
9	Marki Bakra	1	80.060	25.07.07	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
10	Morga III	1	35.000	25.07.07	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
11	Morga IV	1	35.000	25.07.07	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
12-13	Gare-Palma-IV/2 & IV/3	2	178.860	01.07.98	Jindal Power Ltd	PVT	Power
14	DurgapurII/ Sarya	1	91.672	06.11.07	DB Power Ltd.	PVT	Power
15	Fatehpur East	1	343.000	23.01.08	JLD Yavatmal Energy Ltd., R.K.M. Powergen Pvt. Ltd., Visa Power Ltd., Green Infrastructure Pv Ltd., Vandana Vidyut Ltd	PVT	Power
16	DurgapurII/ Taraimar	1	211.366	06.11.07	BALCO	PVT	Power
17	Talaipali	1	1267.000	25.01.06	NTPC	PSU(C)	Power
18-19	Gidhmuri & Paturia	2	350.000	23.09.04	Chhattisgarh State Electricity Board (CSEB)	PSU(S)	Power
20	Parsa	1	256.400	02.08.06	Chhattisgarh State Electricity Board (CSEB)	PSU(S)	Power
21	Gare Pelma Sector II	1	1059.298	02.08.06	Maharashtra State Mining Corpn. (MSMCL), Tamil Nadu State Electricity Board, Chennai	PSU(S)	Power
22-23	Parsa East & Kanta Basan	2	532.860	25.06.07	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
24	Gare Palma Sector-III	1	210.200	12.11.08	Goa Industrial Development Corpn.	PSU	Power
25	Gare-Palma- IV/4	1	38.847	16.08.99	Jayaswal Neco Ltd	PVT	Sponge Iron
26	Gare-Palma-IV/7	1	67.170	25.04.00	Raipur Alloys&Steel Ltd	PVT	Sponge Iron
27	Gare-Palma-IV/1	1	132.720	20.06.96	Jindal Steel & Power Ltd.	PVT	Sponge Iron
28	Gare-Palma-IV/5	1	99.615	21.06.96	Monet Ispat and Energy Ltd	PVT	Sponge Iron
29	Chotia	1	38.999	04.09.03	Prakash Industries Ltd	PVT	Sponge Iron
30	Gare Palma IV/8	1	107.200	13.01.06	Jayaswal Neco Ltd	PVT	Sponge Iron

Contd.....

Table 9.6 : List of Allocated Coal Blocks till 24.09.2014

Sl No	Name of the Block	No of Block	Geological Reserve (In Million Tonnes)	Date of Allotment	Company	PUS/PVT	Sector of Allotment
JHARKHAND							
31	Pindrakhi	1	421.510	09.09.09	Akaltara Power Ltd.	PVT	UMPP
32	Putra Parogia	1	692.160	09.09.09	Akaltara Power Ltd.	PVT	UMPP
33	Gomia	1	251.000	02.08.06	Mines & Minerals Trading Corporation Ltd	PSU(C)	Commercial
34	Sugia Closed mine	1	4.000	30.01.06	Jharkhand State Mineral Development Corporation	PSU(S)	Commercial
35	Rauta Closed mine	1	2.000	30.01.06	Jharkhand State Mineral Development Corporation	PSU(S)	Commercial
36	Burakhap small patch	1	2.000	30.01.06	Jharkhand State Mineral Development Corporation	PSU(S)	Commercial
37	Saria Koiyatand	1	202.000	02.08.06	Bihar Rajya Khanij Vikas Nigam (BRKVN)	PSU(S)	Commercial
38	Jogeswar & Khas Jogeswar	1	110.000	11.04.08	JSMDCL	PSU(S)	Commercial
39	Tokisud North	1	92.920	07.01.02	GVK Power (Govindwal Sahib) Ltd	PVT	Power
40	Jitpur	1	81.095	20.02.07	Jindal Steel & Power Ltd.	PVT	Power
41	Patal East	1	130.000	06.11.07	Bhushan Power and Steel Ltd.	PVT	Power
42	Mahuagarhi	1	305.940	09.01.08	CESC Ltd., Jas Infracture Capital Pvt Ltd.	PVT	Power
43	Ganeshpur	1	137.000	28.05.09	Tata Steel Ltd, Adhunik Thermal Energy Ltd	PVT	Power
44	Seregarha	1	187.750	09.01.08	Arcelor Mittal India Ltd., GVK Power (Govindwal Sahib) Ltd.	PVT	Power
45	Gondulpara	1	166.110	13.01.06	Tenughat Vidyut Nigam Limited (TVNL), Damodar Valley Corporation	PSU	Power
46	Pakri-Barwadiah	1	1436.000	11.10.04	NTPC	PSU(C)	Power
47	Chatti Bariatu	1	193.000	23.01.13	NTPC	PSU(C)	Power
48	Chatti Bariatu South	1	354.000	23.01.13	NTPC	PSU(C)	Power
49	Saharpur Jamarpani	1	600.000	28.02.13	Damodar Valley Corporation	PSU(C)	Power
50	Pachwara Central	1	562.000	28.12.01	Punjab State Electricity Board	PSU(S)	Power
51	Badam	1	144.000	03.11.03	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
52	Pachwara North	1	609.350	26.04.05	WBPDCL	PSU(S)	Power
53	Rajbar E&D	1	807.000	02.08.06	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
54	Banhardih	1	920.390	28.02.13	Jharkhand State Electricity Board (JSEB),	PSU(S)	Power
55	Urma Paharitora	1	579.300	25.07.07	Jharkhand State Electricity Board (JSEB), BSMDCCL	PSU(S)	Power
56	Kerandari	1	188.790	23.01.13	NTPC	PSU(C)	Power
57	Rohne	1	241.000	05.06.08	JSW Steel Ltd., Bhushan Power & Steel Ltd., Jai Balaji Industry Ltd.	PVT	Sponge Iron
58	Moitra	1	215.780	13.05.05	Jayaswal Neco Ltd	PVT	Sponge Iron
59-61	Brinda, Sasai & Meral	3	77.000	26.05.05	Abhijeet Infrastructure P. Ltd.	PVT	Sponge Iron
62	Parbatpur-A to C	1	231.230	07.07.05	Electrosteel castings Ltd	PVT	Sponge Iron
63	Lohari	1	9.990	24.08.05	Usha Martin Ltd	PVT	Sponge Iron
64	Kathautia	1	29.290	29.09.03	Usha Martin Ltd	PVT	Sponge Iron
65	Dumri	1	55.988	13.01.06	Nilachal Iron & Power Generation, Bajrang Ispat Pvt. Ltd.	PVT	Sponge Iron
66	Tasra	1	251.880	26.02.96	Steel Authority of India Ltd.	PSU(C)	Sponge Iron
67	Sitanala	1	108.350	11.04.07	Steel Authority of India Ltd.	PSU(C)	Sponge Iron
68	Kerandari BC	1	916.520	20.07.07	Power Finance Corporation Talaiy UMPP	PVT	UMPP
69	Mourya	1	225.350	26.6.09	Karanpura Energy Ltd.(SPV of JSEB)	PVT	UMPP

Contd.....

Table 9.6 : List of Allocated Coal Blocks till 24.09.2014

Sl No	Name of the Block	No of Block	Geological Reserve (In Million Tonnes)	Date of Allotment	Company	PUS/PVT	Sector of Allotment
MAHARASHTRA							
70	Marki-Zari-Jamani-Adkoli	1	24.180	02.08.06	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
71-76	Baranj – I, II, III, IV, Kiloni & Manora Deep	6	156.910	10.11.03	Karnataka Power Corporation Ltd	PSU(S)	Power
77-79	Marki Mangli-II, III & IV	3	22.130	06.09.05	Veerangana Steel Limited.	PVT	Sponge Iron
80	Nerad Malegaon	1	20.360	13.01.06	Gupta Metallica & Power Ltd., Gupta Coalfields & Washeries Ltd.	PVT	Sponge Iron
81	Marki Mangli-I	1	24.260	25.04.01	B.S. Ispat	PVT	Sponge Iron
82	Belgaon	1	20.720	28.03.05	Sunflag Iron Steel Ltd	PVT	Sponge Iron
83	Kosar Dongergaon	1	22.630	20.02.07	Chaman Metalika Ltd.	PVT	Sponge Iron
84	Bhivkund	1	100.000	17.07.08	MAHAGENCO	PVT	UMPP
MADHYAPRADESH							
85	Sial Ghogri	1	30.390	29.05.07	Prism Cement Limited	PVT	Cement
86	Mandla North	1	195.000	17.09.07	M/s. Jaiprakash Associates Ltd	PVT	Cement
87	Gotitoria (East)	1	5.150	21.06.96	BLA Industries Ltd	PVT	Commercial
88	Gotitoria (West)	1	4.190	21.06.96	BLA Industries Ltd	PVT	Commercial
89	Sahapur East	1	63.630	25.07.07	National Mineral Dev. Corp	PSU(C)	Commercial
90	Sahapur West	1	52.679	25.07.07	National Mineral Dev. Corp	PSU(C)	Commercial
91	Amelia	1	393.600	12.01.06	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
92	Amelia (North)	1	123.540	12.01.06	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
93	Dongeri Tal-II	1	160.311	02.08.06	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
94	Suliyari Belwar	1	141.000	25.07.07	Andhra Pradesh Mineral Development (APMDC)	PSU(S)	Commercial
95	Bicharpur	1	56.000	25.07.07	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
96	Mandla South	1	72.000	25.07.07	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
97	Mahan	1	136.050	12.04.06	Essar Power Ltd., Hindalco Industries Ltd.	PVT	Power
98	Mara II Mahan	1	477.500	02.08.06	NCT of Delhi, Delhi, Haryana Power Generation Generation Corp Ltd.	PSU(S)	Power
99-101	Moher, Moher-Amlori Extn & Chhatrasal	3	706.860	13.09.06 & 26.10.06	Power Finance Corporation Sasan UMPP	PVT	UMPP
ODISHA							
102	Nuagaon Telisahi	1	898.500	02.08.06	Orissa Mining Corporation (OMC), Bhubnewar, Andhra Pradesh Mineral Development (APMDC)	PSU(S)	Commercial
130	Talabira-I	1	22.550	25.02.94	Hindalco Industries Ltd.	PVT	Power
104	Utkal-C	1	196.347	29.05.98	Utkal Coal Ltd.(formerly ICCL)	PVT	Power
105	Mandakini A	1	290.520	09.01.08	Monet Ispat and Energy Ltd., Jindal Photo Ltd., Tata Power Company Ltd.	PVT	Power
106	Utkal 'E'	1	113.890	27.08.04	NALCO	PSU(C)	Power
107	Talabira II	1	589.210	10.11.05	Hindalco, MCL , NLC	PSU(C)	Power

Contd.....

Table 9.6 : List of Allocated Coal Blocks till 24.09.2014

Sl No	Name of the Block	No of Block	Geological Reserve (In Million Tonnes)	Date of Allotment	Company	PUS/PVT	Sector of Allotment	
108	Dulunga	1	245.000	25.01.06	NTPC	PSU(C)	Power	
109-110	Mahanadi Machhakata	2	1400.650	06.02.06	GSECL , MSEB	PSU(S)	Power	
111-112	Chendipada & Chendipada-II	2	1588.890	25.07.07	Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd., Chhattisgarh Mineral Development Corporation Ltd. (CMDCL), MAHAGENCO	PSU(S)	Power	
113-114	Manoharpur & Dipside of Manoharpur	2	531.680	25.07.07	Orissa Power Generation Corporation	PSU(S)	Power	
115	Utkal-B2	1	114.337	16.08.99	Monet Ispat and Energy Ltd	PVT	Sponge Iron	
116	Utkal B 1	1	226.880	29.09.03	Jindal Steel & Power Ltd.	PVT	Sponge Iron	
117	Jamkhani	1	132.000	12.11.03	Bhushan Power and Steel Ltd.	PVT	Sponge Iron	
118	Utkal-A	1	951.680	29.11.05	JSW Steels Ltd./ Jindal Thermal Power Ltd., MCL, Jindal Stainless Steel Ltd., Shyam Metalics & Energy Ltd. (formerly Shyam DRI Ltd.)	PVT	Sponge Iron	
119-121	Meenakshi, Dipside of Meenakshi & Meenakshi B	3	885.000	13.09.06	Power Finance Corporation Orissa UMPP	PVT	UMPP	
122	Bankui	1	800.000	21.06.10	Sakshigopal Integrated Power Co Ltd.	PVT	UMPP	
WEST BENGAL								
123	Trans Damodar	1	61.730	14.01.05	West Bengal Mineral Dev. Trading. Corp.	PSU(S)	Commercial	
124	Ichhapur	1	735.770	02.08.06	West Bengal Mineral Dev. Trading. Corp.	PSU(S)	Commercial	
125	Kulti	1	210.000	02.08.06	West Bengal Mineral Dev. Trading. Corp.	PSU(S)	Commercial	
126	Jaganathpur A	1	267.330	25.07.07	West Bengal Mineral Dev. Trading. Corp.	PSU(S)	Commercial	
127	Jaganathpur B	1	169.570	25.07.07	West Bengal Mineral Dev. Trading. Corp.	PSU(S)	Commercial	
128	Sitarampur	1	209.400	27.12.07	West Bengal Mineral Dev. Trading. Corp.	PSU(S)	Commercial	
129	Sarshatolli	1	171.800	10.08.93	RPG Industries/CESC Ltd.	PVT	Power	
130	Barjora (North)	1	85.490	03.03.05	Damodar Valley Corporation	PSU(C)	Power	
131	Khagra Joydev	1	196.000	03.03.05	Damodar Valley Corporation	PSU(C)	Power	
132	Tara (East)	1	100.000	14.07.95	WBSEB	PSU(S)	Power	
133	Tara (West)	1	100.000	17.04.96	WBPDCCL	PSU(S)	Power	
134-135	Gangaramchak & Gangaramchak Bhadulia	2	13.680	23.06.03	WBPDCCL	PSU(S)	Power	
136	Barjora	1	3.000	23.06.03	WBPDCCL	PSU(S)	Power	
137	Andal East	1	506.000	03.07.09	Bhusan Steel Ltd., Jai Balaji Industries Ltd., Rashni Cement Ltd.	PVT	Sponge Iron	
138	Ardhagram	1	109.600	06.12.07	Sova Ispat Limited, Jaibalaji Sponge Ltd.	PVT	Sponge Iron	
ALL INDIA		138	34419.346					

NOTE : Details of status of captive coal blocks during 2014-15 has been given as foot note under Table 9.1.

Table - 9.7 : List of Coal Blocks stand allocated till 31.03.2015

Sl No	Name of the Block	No of Block	Geological Reserve (In Million Tonnes)	Date of Allotment	Company	PUS/PVT	Sector of Allotment
MADHYAPRADESH							
1	Sial Ghogri	1	30.390	29.05.07	Prism Cement Limited	PVT	Cement
2	Mandla North	1	195.000	17.09.07	M/s. Jaiprakash Associates Ltd	PVT	Cement
3	Gotitoria (East)	1	5.150	21.06.96	BLA Industries Ltd	PVT	Commercial
4	Gotitoria (West)	1	4.190	21.06.96	BLA Industries Ltd	PVT	Commercial
5-7	Moher, Moher-Amlori Extn & Chhatrasal	3	706.860	13.09.06 & 26.10.06	Power Finance Corporation Sasan & UMPP	PVT	UMPP
8	Amelia (North)	1	123.540	12.01.06	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
9	Bicharpur	1	56.000	25.07.07	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
WEST BENGAL							
10	Sarshatolli	1	171.800	10.08.93	RPG Industries/CESC Ltd.	PVT	Power
11	Ardhagram	1	109.600	06.12.07	Sova Ispat Limited, Jaibalaji Sponge Ltd.	PVT	Sponge Iron
12	Trans Damodar	1	61.730	14.01.05	West Bangal Mineral Dev. Trading. Corp.	PSU(S)	Commercial
13	Barjora (North)	1	85.490	03.03.05	Damodar Valley Corporation	PSU(C)	Power
14	Khagra Joydev	1	196.000	03.03.05	Damodar Valley Corporation	PSU(C)	Power
15	Tara (East)	1	100.000	14.07.95	WBSEB	PSU(S)	Power
16	Tara (West)	1	100.000	17.04.96	WBPDCL	PSU(S)	Power
17-18	Gangaramchak & Gangaramchak Bhadulia	2	13.680	23.06.2003	WBPDCL	PSU(S)	Power
19	Barjora	1	3.000	23.06.03	WBPDCL	PSU(S)	Power
ODISHA							
20	Talabira-I	1	22.550	25.02.94	Hindalco Industries Ltd.	PVT	Power
21	Bankui	1	800.000	21.06.10	Sakshigopal Integrated Power Co Ltd.	PVT	UMPP
22-24	Meenakshi, Dipside of Meenakshi & Meenakshi B	3	885.000	13.09.06	Power Finance Corporation Orissa UMPP	PVT	UMPP
CHHATTISGARH							
25-26	Gare-Palma-IV/2 & IV/3	2	178.860	01.07.98	Jindal Power Ltd	PVT	Power
27	Gare-Palma- IV/4	1	38.847	16.08.99	Jayaswal Neco Ltd	PVT	Sponge Iron
28	Gare-Palma-IV/7	1	67.170	25.04.00	Raipur Alloys&Steel Ltd	PVT	Sponge Iron
29	Gare-Palma-IV/1	1	132.720	20.06.96	Jindal Steel & Power Ltd.	PVT	Sponge Iron
30	Gare-Palma-IV/5	1	99.615	21.06.96	Monet Ispat and Energy Ltd	PVT	Sponge Iron
31	Chotia	1	38.999	04.09.03	Prakash Industries Ltd	PVT	Sponge Iron
32-33	Parsa East & Kanta Basan	2	532.860	25.06.07	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
34	Pindrakhi	1	421.510	09.09.09	Akaltara Power Ltd.	PVT	UMPP
35	Putra Parogia	1	692.160	09.09.09	Akaltara Power Ltd.	PVT	UMPP

Contd.....

Table - 9.7 : List of Coal Blocks stand allocated till 31.03.2015

Sl No	Name of the Block	No of Block	Geological Reserve (In Million Tonnes)	Date of Allotment	Company	PUS/PVT	Sector of Allotment
JHARKHAND							
36	Tokisud North	1	92.920	07.01.02	GVK Power (Govindwal Sahib) Ltd	PVT	Power
37	Parbatpur-A to C	1	231.230	07.07.05	Electrosteel castings Ltd	PVT	Sponge Iron
38	Kathautia	1	29.290	29.09.03	Usha Martin Ltd	PVT	Sponge Iron
39	Tasra	1	251.880	26.02.96	Steel Authority of India Ltd.	PSU(C)	Steel
40	Pakri-Barwadih	1	1436.000	11.10.04	NTPC	PSU(C)	Power
41	Kerandari BC	1	916.520	20.07.07	Power Finance Corporation Talaiy UMPP Jharkhand	PVT	UMPP
42	Mourya	1	225.350	26.06.09	Karanpura Energy Ltd.(SPV of JSEB)	PVT	UMPP
16	Pachwara Central	1	562.000	28.12.01	Punjab State Electricity Board	PSU(S)	Power
38	Pachwara North	1	609.350	26.04.05	WBPDCL	PSU(S)	Power
MAHARASHTRA							
43-44	Marki Mangli-II, III	2	17.730	06.09.05	Veerangana Steel Limited.	PVT	Sponge Iron
45	Marki Mangli-I	1	24.260	25.04.01	B.S. Ispat	PVT	Sponge Iron
46	Belgaon	1	20.720	28.03.05	Sunflag Iron Steel Ltd	PVT	Sponge Iron
47-52	Baranj – I, II, III, IV, Kiloni & Manora Deep	6	156.910	10.11.03	Karnataka Power Corporation Ltd	PSU(S)	Power
53	Bhivkund	1	100.000	17.07.08	MAHAGENCO	PVT	UMPP
ARUNACHAL PRADESH							
54	Namchik Namphuk	1	4.790	28.10.03	Arunachal Pradesh Mineral Dev. Corporation	PSU(S)	Commercial
ALL INDIA		56	10551.671				

NOTE : Details of status of captive coal blocks during 2014-15 has been given as foot note under Table 9.1.

Table - 9.8 : LIGNITE BLOCKS ALLOCATED TILL 31/03/2015

Sl. No.	State (Block)	Date of Allocation	Name of Block	Name of Allocattee	No. of Blocks	Sector	GR while allotting	End Use Project	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Gujarat	15/12/1995	Vastan	GIPCL	1	Pub	40.0	Power	Producing
2	Gujarat	04-04-2000	Khadsaliya	GHCL	1	Pvt	7.8	Commercial	Producing
3	Gujarat	12-05-2001	Tadkeswar	GMDC	1	Pub	40.0	Commercial	Producing
4	Gujarat	30/04/2003	Mata na Madh	GMDC	1	Pub	34.0	Commercial	Producing
5	Gujarat	21/07/1973/NA	Panandhro	GMDC	1	Pub	98.0	Commercial	Producing
6	Gujarat	05.12.2001	Rajpardi /G-19 Extn (Amod)	GMDC	1	Pub	21.0	Commercial	Producing
7	Gujarat	09.03.2000	Mongrol Valia	GIPCL	1	Pub	341.7	Power	Producing
8	Gujarat	Not available	Akrimota	GMDC	1	Pub	81.0	Commercial	Non-producing
9	Gujarat	06.09.2005	Khadsaliya-II & Surka III	GIPCL	2	Pub	22.5	Power	Non-producing
10	Gujarat	5.12.2001	Surkha (North), Bhavnagar	GMDC	1	Pub	69.6	Commercial	-
Gujarat Total					11		755.7		
1	Rajasthan	02.11.1994	Giral	RSSML	1	Pub	101.9	Commercial	Producing
2	Rajasthan	25.08.2001	Matasukh	RSMML	1	Pub	16.9	Commercial	Producing
3	Rajasthan	25.08.001	Kasnau Igiya	RSMML	1	Pub		Commercial	Producing
4	Rajasthan	06.09.2004	Soneri	RSMML	1	Pub		42.6	Power
5	Rajasthan	01.07.2005	Gurha(W)	RSMML	1	Pub	37.5	Power	Non-producing
6	Rajasthan	01.07.2005	Gurha(E)	V.S Lig	1	Pvt	44.7	Power	Producing
7	Rajasthan	13.11.2006	Kapurdihi	RRV PNL	1	Pub	92.0	Power	Producing
8	Rajasthan	13.11.2006	Jalipa	RSMML	1	Pub	316.3	Power	Non-producing
9	Rajasthan	13.11.2006	Shivkar-Kurla	RSMML	1	Pub	112.0	Power	Non-producing
10	Rajasthan	13.11.2006	Sachcha Sauda	RSMML	1	Pub	28.7	Power	Non-producing
11	Rajasthan	07.02.2007	Mondal Charan	Indure Pvt.Ltd	1	Pvt	17.7	Power	Non-producing
12	Rajasthan	07.02.2007	Indawar	Nandlal Enterprise Ltd	1	Pvt	12.0	Power	Non-producing
13	Rajasthan	07.02.2007	Kapriion-Ki-Dhani	DCM Shriram	1	Pvt	17.0	Power	Non-producing
14	Rajasthan	07.02.2007	Nimbri Chandrabadan	Binani Cement Ltd.	1	Pvt	8.2	Power	Non-producing
Total					14		847.4		
Grand Total					25		1603.1		

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 2014. It can be seen that the top five places, as per coal reserve, are occupied by USA (26.6%), Russia (17.6%), China (12.8%), Australia (8.6%) and India (6.8%) and these five countries together account for 72.4% of total world coal reserves.

Country / Group	Reserve	% Share
USA	237295	26.6
Russian Federation	157010	17.6
China	114500	12.8
Australia	76400	8.6
India	60600	6.8
Germany	40458	4.5
Ukraine	33873	3.8
Kazakhstan	33600	3.8
South Africa	30156	3.4
Other Europe& Eurasia	22193	2.5
Others	85446	9.6
World	891531	100.0

Source: International Energy Agency (IEA).

10.2 Production

10.2.1 In the World, during the year 2014, production of coal and lignite was 6923.705 MT and 810.467 MT respectively. During the year 2013, production of coal and lignite was 6956.986 MT and 834.669 MT respectively. Statement 10.2 shows main coal and lignite producing countries during 2014. In this Statement it can be seen that the top six positions are occupied by China (3483.742 MT), USA (904.221 MT), India (661.20 MT), Indonesia (470.787 MT), Australia (491.162 MT), and Russia (334.058 MT) and these six countries together account for about 82.04% of total world coal and lignite production whereas China alone accounts for 45.04% of the world coal and lignite production.

Country / Group	Production	% Share
China	3483.74	45.04
USA	904.22	11.69
India	661.20	8.55
Indonesia	470.79	6.09
Australia	491.16	6.35
Russia	334.06	4.32
South Africa	253.25	3.27
Germany	186.52	2.41
Poland	136.39	1.76
Kazakhstan	115.46	1.49
Others	697.38	9.02
World	7734.17	100.00

10.2.2 World Coking Coal production during 2014 is given in Statement 10.3.

Country	Production	% Share
China	609.63	55.09
Australia	184.83	16.70
United States of America	74.97	6.77
Russian Federation	75.00	6.78
India	51.36	4.64
Canada	30.57	2.76
Mongolia	10.27	0.93
Ukraine	12.78	1.15
Kazakhstan	15.32	1.38
Poland	12.29	1.11
Others	29.56	2.67
World	1106.58	100.00

Source: International Energy Agency (IEA).

10.2.5 Statement 10.4 provides world lignite production during 2014 by major lignite producing countries.

Statement 10.4: World Lignite Production (MT) in 2014		
Country	Production	% Share
Germany	178.18	21.98
Russian Federation	69.59	8.59
Australia	60.66	7.48
USA	72.11	8.90
Turkey	61.5	7.59
Poland	63.88	7.88
Greece	48.02	5.92
India	47.16	5.82
Czech Republic	38.18	4.71
Others	171.19	21.12
World	810.47	100.00

Source: International Energy Agency (IEA)

10.3 Import and Export

10.3.1 World import of coal during 2014 registered a growth of 2.23% over the last year. During 2014 total coal import was 1418.774 MT against 1387.841 MT in 2013. Import of coking coal was 293.500 MT, steam coal 1125.274 MT and lignite was 4.873 MT. Statement 10.5 shows major country wise import of coking coal and steam coal during 2014.

Statement 10.5: World Coal Import (MT) in 2014			
Country	Import		
	Coking Coal	Steam Coal	Total Coal
China	62.44	229.14	291.58
Japan	50.69	137.00	187.69
India	50.70	188.68	239.38
Korea	33.83	92.19	126.02
Chinese Taipei	7.29	59.79	67.08
Germany	9.71	47.30	57.01
Turkey	6.25	23.57	29.82
Brazil	10.96	9.39	20.35
Ukraine	7.08	7.18	14.26
Others	54.55	331.06	385.61
World	293.50	1125.27	1418.77

Source: International Energy Agency (IEA).

10.3.2 World export of coal during 2014 registered a growth of 6.04% over 2013. During 2014, total coal export was 1375.619 MT against 1367.889 MT in 2013. During 2014, export of coking coal was 321.796 MT, steam coal 1053.823 MT and lignite 7.970 MT. Statement 10.6 shows major country wise export of coal during 2014.

Statement 10.6: World Coal Export (MT) in 2014			
Country	Export		
	Coking Coal	Steam Coal	Total Coal
USA	57.20	31.09	88.29
Canada	31.06	3.3	34.36
Indonesia	2.73	408.19	410.92
Australia	180.46	194.59	375.05
Russian Federation	21.08	132.02	153.10
South Africa	0.40	75.99	76.39
Mongolia	10.07	9.15	19.22
China	0.80	4.80	5.60
Mozambique	3.77	0.86	4.63
Others	14.23	193.83	208.06
World	321.80	1053.82	1375.62

Source: International Energy Agency (IEA).

10.4 Coal Price

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

Table 10.1 : WORLD PROVED COAL RESERVES AT THE END OF 2014

(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	108501	128794	237295	26.6%	262	* More than 500 years
Canada	3474	3108	6582	0.7%	96	# Less than 0.05%
Mexico	860	351	1211	0.1%	87	
Total North America	112835	132253	245088	27.5%	248	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 oil does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at company level, for instance as published by the US Securities and Exchange Commission, nor does it necessarily represent BP's view of proved reserves by country.
Brazil	-	6630	6630	0.7%	*	
Colombia	6746	-	6746	0.8%	76	
Venezuela	479	-	479	0.1%	189	
Other S. & Cent. America	57	729	786	0.1%	234	
Total S. & Cent. America	7282	7359	14641	1.6%	142	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.
Bulgaria	2	2364	2366	0.3%	76	
Czech Republic	181	871	1052	0.1%	22	
Germany	48	40500	40548	4.5%	218	
Greece	-	3020	3020	0.3%	61	
Hungary	13	1647	1660	0.2%	174	
Kazakhstan	21500	12100	33600	3.8%	309	
Poland	4178	1287	5465	0.6%	40	
Romania	10	281	291	w	12	
Russian Federation	49088	107922	157010	17.6%	441	
Spain	200	330	530	0.1%	136	
Turkey	322	8380	8702	1.0%	125	
Ukraine	15351	18522	33873	3.8%	*	
United Kingdom	228	-	228	w	20	
Uzbekistan	47	1853	1900	0.2%	432	
Other Europe & Eurasia	1389	18904	20293	2.3%	337	
Total Europe & Eurasia	92557	217981	310538	34.8%	268	Reserves-to-production (R/P) ratios are calculated excluding other solid fuels production.
South Africa	30156	-	30156	3.4%	116	
Zimbabwe	502	-	502	0.1%	120	
Other Africa	942	214	1156	0.1%	379	
Middle East	1122	-	1122	0.1%	*	
Total Middle East & Africa	32722	214	32936	3.7%	122	
Australia	37100	39300	76400	8.6%	155	
China	62200	52300	114500	12.8%	30	
India	56100	4500	60600	6.8%	94	
Indonesia	-	28017	28017	3.1%	61	
Japan	337	10	347	w	265	
New Zealand	33	538	571	0.1%	143	
North Korea	300	300	600	0.1%	19	
Pakistan	-	2070	2070	0.2%	*	
South Korea	-	126	126	w	72	
Thailand	-	1239	1239	0.1%	69	
Vietnam	150	-	150	w	4	
Other Asia Pacific	1583	2125	3708	0.4%	97	
Total Asia Pacific	157803	130525	288328	32.3%	51	
Total World	403199	488332	891531	100.0%	110	
of which: OECD	155494	229321	384815	43.2%	191	
Non-OECD	247705	259011	506716	56.8%	83	
European Union #	4883	51199	56082	6.3%	111	
Former Soviet Union	86725	141309	228034	25.6%	428	

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

(Quantity In Million Tonnes Oil Equivalent)

Countries	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Change 2014 over 2013	2014 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
US	580.2	595.1	587.7	596.7	540.8	551.2	556.1	517.8	500.9	507.8	1.4%	12.9%
Canada	35.3	34.8	35.7	35.6	33.1	35.4	35.5	35.9	36.6	36.7	0.2%	0.9%
Mexico	6.1	6.8	7.3	6.9	6.1	7.3	9.4	7.4	7.6	6.9	-8.9%	0.2%
Total North America	621.6	636.7	630.7	639.2	580.0	594.0	600.9	561.1	545.0	551.4	1.2%	14.0%
Brazil	2.4	2.2	2.3	2.5	1.9	2.0	2.1	2.5	3.2	3.2	-	0.1%
Colombia	38.4	42.6	45.4	47.8	47.3	48.3	55.8	57.9	55.6	57.6	3.6%	1.5%
Venezuela	5.3	5.7	4.5	3.6	2.4	2.0	1.5	0.9	1.9	1.8	-1.6%	♦
Other S. & Cent. America	0.3	0.6	0.3	0.4	0.5	0.4	0.4	0.6	1.7	2.3	37.5%	0.1%
Total S. & Cent. America	46.3	51.2	52.5	54.3	52.2	52.7	59.8	61.8	62.4	65.0	4.2%	1.7%
Bulgaria	4.1	4.2	4.7	4.8	4.5	4.9	6.1	5.5	4.7	5.2	9.2%	0.1%
Czech Republic	23.5	23.8	23.6	22.8	21.0	20.8	21.6	20.7	18.0	17.3	-3.5%	0.4%
France	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-4.2%	♦
Germany	56.5	53.3	54.4	50.1	46.4	45.9	46.7	47.8	44.7	43.8	-2.1%	1.1%
Greece	8.9	8.3	8.5	8.5	8.4	7.3	7.6	8.1	6.9	6.3	-8.7%	0.2%
Hungary	2.0	2.1	2.0	1.9	1.9	1.9	2.0	1.9	2.0	2.0	0.1%	0.1%
Kazakhstan	44.2	49.1	50.0	56.8	51.5	54.0	56.2	58.6	58.2	55.3	-4.9%	1.4%
Poland	68.7	67.0	62.3	60.5	56.4	55.5	56.6	58.8	57.6	55.0	-4.5%	1.4%
Romania	6.6	6.5	6.7	6.7	6.4	5.8	6.7	6.4	4.6	4.4	-4.5%	0.1%
Russian Federation	139.6	145.5	148.4	153.8	142.3	151.4	158.8	169.5	168.8	170.9	1.2%	4.3%
Spain	6.6	6.2	5.9	4.4	3.8	3.3	2.6	2.5	1.8	1.6	-10.5%	♦
Turkey	11.2	13.2	14.8	16.7	17.4	17.5	17.8	16.9	15.3	17.8	15.9%	0.5%
Ukraine	41.2	41.9	40.0	41.4	38.5	40.0	44.1	45.3	44.4	31.5	-29.0%	0.8%
United Kingdom	12.5	11.3	10.3	11.0	10.9	11.2	11.3	10.4	7.8	7.0	-10.2%	0.2%
Uzbekistan	1.0	0.9	1.1	1.0	1.1	1.1	1.2	1.3	1.3	1.4	7.2%	♦
Other Europe & Eurasia	20.7	22.6	22.3	22.7	23.0	23.0	23.9	21.9	24.8	21.9	-11.5%	0.6%
Total Europe & Eurasia	447.5	456.1	455.4	463.2	433.5	443.6	463.4	475.7	461.0	441.6	-4.2%	11.2%
Total Middle East	1.0	1.0	1.1	1.0	0.7	0.7	0.7	0.7	0.7	0.7	-	♦
South Africa	138.4	138.3	138.4	141.0	139.7	144.1	143.2	146.6	145.3	147.7	1.6%	3.8%
Zimbabwe	2.2	1.4	1.3	1.0	1.1	1.7	1.7	1.0	3.2	2.7	-15.7%	0.1%
Other Africa	1.2	1.3	1.0	1.0	0.9	1.2	1.1	1.6	1.9	1.9	-	♦
Total Africa	141.7	140.9	140.7	143.0	141.8	147.1	146.0	149.2	150.4	152.2	1.2%	3.9%
Australia	206.5	211.6	217.9	224.9	232.6	240.5	233.4	250.4	268.2	280.8	4.7%	7.1%
China	1240.9	1327.8	1438.7	1491.4	1538.0	1664.9	1852.6	1872.5	1893.7	1844.6	-2.6%	46.9%
India	162.1	170.2	181.0	195.6	210.8	217.5	215.7	229.1	228.8	243.5	6.4%	6.2%
Indonesia	93.9	119.2	133.4	147.8	157.6	169.2	217.3	237.3	276.2	281.7	2.0%	7.2%
Japan	0.6	0.7	0.8	0.7	0.7	0.5	0.7	0.7	0.7	0.7	8.6%	♦
New Zealand	3.3	3.6	3.0	3.0	2.8	3.3	3.1	3.0	2.8	2.5	-13.6%	0.1%
Pakistan	1.6	1.8	1.7	1.8	1.6	1.5	1.5	1.4	1.3	1.4	5.6%	♦
South Korea	1.3	1.3	1.3	1.2	1.1	0.9	0.9	0.9	0.8	0.8	-3.8%	♦
Thailand	5.8	5.3	5.1	5.1	4.9	5.1	6.0	5.1	5.1	5.0	-0.7%	0.1%
Vietnam	19.1	21.7	23.8	22.3	24.7	25.1	26.1	23.6	23.0	23.1	0.5%	0.6%
Other Asia Pacific	25.0	25.5	24.2	26.2	29.7	37.5	41.2	40.4	41.4	38.4	-7.2%	1.0%
Total Asia Pacific	1760.1	1888.7	2030.9	2119.8	2204.6	2366.2	2598.5	2664.4	2741.9	2722.5	-0.7%	69.2%
Total World	3018.2	3174.7	3311.2	3420.6	3412.7	3604.3	3869.4	3912.9	3961.4	3933.5	-0.7%	100.0%
of which: OECD	1033.0	1050.3	1046.0	1054.7	993.7	1013.1	1015.1	991.8	983.8	999.0	1.5%	25.4%
Non-OECD	1985.2	2124.3	2265.2	2365.9	2419.0	2591.2	2854.3	2921.1	2977.6	2934.4	-1.4%	74.6%
European Union #	197.9	192.0	186.0	178.0	167.8	165.4	169.8	169.4	157.6	151.4	-3.9%	3.9%
Former Soviet Union	229.9	241.2	244.1	257.4	237.7	251.4	265.7	280.2	278.6	265.3	-4.8%	6.7%

* 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.

Excludes Estonia, Latvia and Lithuania prior to 1985 and Slovenia prior to 1991.

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

(Figs. In Million Tonnes Oil Equivalent)

Countries	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Change in 2014 over 2013	2014 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
US	574.5	565.7	573.3	564.2	496.2	525.0	495.4	437.9	454.6	453.4	-0.3%	11.7%
Canada	31.0	30.1	31.2	30.3	24.2	25.2	22.2	21.2	20.8	21.2	1.8%	0.5%
Mexico	16.0	16.8	16.0	12.8	12.5	17.2	19.0	13.2	13.4	14.4	7.3%	0.4%
Total North America	621.5	612.6	620.4	607.2	532.9	567.5	536.5	472.4	488.8	488.9	♦	12.6%
Argentina	0.8	0.8	1.1	1.2	1.2	1.0	0.9	0.7	1.3	1.3	0.4%	♦
Brazil	13.0	12.8	13.6	13.8	11.1	14.5	15.4	15.3	16.5	15.3	-7.4%	0.4%
Chile	2.8	3.4	4.1	4.4	4.0	4.5	5.7	6.6	7.5	6.8	-10.4%	0.2%
Colombia	2.7	2.4	2.4	2.8	3.5	4.0	4.2	3.7	4.3	4.2	-1.3%	0.1%
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Peru	0.8	0.6	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	-4.8%	♦
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	^	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	-3.7%	♦
Other S. & Cent. America	2.0	2.3	2.3	2.3	2.2	2.4	2.5	2.7	2.8	2.9	3.2%	0.1%
Total S. & Cent. America	22.1	22.6	24.4	25.3	23.0	27.3	29.9	30.1	33.6	31.6	-6.0%	0.8%
Austria	4.0	4.1	3.9	3.7	2.8	3.4	3.5	3.2	3.3	2.7	-18.4%	0.1%
Azerbaijan	^	^	^	^	^	^	^	^	^	^	-	♦
Belarus	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.9	0.9	1.0	13.6%	♦
Belgium	5.1	4.9	4.3	4.4	3.0	3.7	3.4	3.1	3.2	3.8	17.1%	0.1%
Bulgaria	6.9	7.0	7.9	7.6	6.4	6.9	8.1	6.9	5.9	6.5	9.5%	0.2%
Czech Republic	20.2	21.0	21.4	19.7	17.6	18.4	18.1	17.2	16.4	16.0	-2.2%	0.4%
Denmark	3.7	5.6	4.7	4.1	4.0	3.9	3.3	2.6	3.2	2.6	-18.9%	0.1%
Finland	4.1	6.8	6.4	4.7	4.9	6.2	5.0	4.0	4.5	4.1	-8.1%	0.1%
France	13.4	12.4	12.8	12.1	10.8	11.5	9.8	11.1	11.8	9.0	-23.6%	0.2%
Germany	81.3	84.6	86.7	80.1	71.7	77.1	78.3	80.5	81.7	77.4	-5.3%	2.0%
Greece	8.9	8.4	8.8	8.3	8.4	7.9	7.9	8.1	7.0	6.5	-7.5%	0.2%
Hungary	3.0	3.1	3.1	3.1	2.6	2.7	2.8	2.7	2.3	2.2	-4.0%	0.1%
Republic of Ireland	2.7	2.4	2.4	2.3	2.0	2.0	2.0	2.4	2.0	2.0	-0.9%	0.1%
Italy	16.5	16.7	16.8	16.3	12.8	14.2	15.9	16.3	14.0	13.5	-3.7%	0.3%
Kazakhstan	27.2	29.8	31.7	33.4	32.6	31.6	34.0	36.6	35.9	34.5	-3.8%	0.9%
Lithuania	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	-17.8%	♦
Netherlands	8.2	7.8	8.5	8.1	7.5	7.6	7.5	8.2	8.2	9.0	10.5%	0.2%
Norway	0.7	0.6	0.7	0.7	0.5	0.6	0.6	0.7	0.7	0.7	-0.5%	♦
Poland	55.7	58.0	57.9	56.0	51.9	56.4	56.1	54.3	55.8	52.9	-5.2%	1.4%
Portugal	3.3	3.3	2.9	2.5	2.9	1.6	2.2	2.9	2.7	2.5	-5.0%	0.1%
Romania	8.8	9.5	10.1	9.6	7.6	7.0	8.2	7.6	5.8	5.8	0.3%	0.1%
Russian Federation	94.6	97.0	93.9	100.7	92.2	90.5	94.0	98.4	90.5	85.2	-5.8%	2.2%
Slovakia	4.2	4.5	4.0	4.0	3.9	3.9	3.7	3.5	3.5	3.4	-2.0%	0.1%
Spain	20.5	17.9	20.0	13.5	9.4	6.9	12.8	15.5	11.4	12.0	5.1%	0.3%
Sweden	2.5	2.5	2.5	2.3	2.0	2.4	2.4	2.1	2.1	2.0	-6.3%	0.1%
Switzerland	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	2.2%	♦
Turkey	22.5	26.6	29.5	29.6	30.9	31.4	33.9	36.5	31.6	35.9	13.6%	0.9%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	37.5	39.8	39.8	41.8	35.9	38.3	41.5	42.7	41.4	33.0	-20.2%	0.9%
United Kingdom	37.4	40.9	38.4	35.6	29.8	30.9	31.4	38.9	37.1	29.5	-20.3%	0.8%
Uzbekistan	1.2	1.7	1.4	1.4	1.1	1.1	1.1	1.2	2.6	2.0	-21.5%	0.1%
Other Europe & Eurasia	22.1	19.0	20.5	21.0	19.9	21.2	23.1	21.4	22.5	20.4	-9.2%	0.5%
Total Europe & Eurasia	517.4	536.9	542.0	527.6	475.9	490.2	511.5	529.9	508.2	476.5	-6.2%	12.3%

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

(Figs. In Million Tonnes Oil Equivalent)

Countries	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Change in 2014 over 2013	2014 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Iran	1.6	1.5	1.6	1.2	1.4	1.3	1.4	1.1	1.1	1.1	2.0%	◆
Israel	7.9	7.8	8.0	7.9	7.7	7.7	7.9	8.8	7.4	6.9	-7.0%	0.2%
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	^	^	0.1	0.1	^	0.1	0.1	0.1	0.1	0.1	-	◆
United Arab Emirates	0.1	0.3	0.1	0.3	0.6	0.7	1.2	1.7	1.5	1.5	-3.3%	◆
Other Middle East	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	-5.5%	◆
Total Middle East	9.8	9.8	9.9	9.6	9.8	9.9	10.8	11.9	10.3	9.7	-5.4%	0.3%
Algeria	0.6	0.9	0.8	0.8	0.5	0.3	0.3	0.3	0.2	0.2	-	◆
Egypt	0.9	0.9	0.8	0.7	0.7	0.5	0.5	0.4	0.2	0.7	295.8%	◆
South Africa	80.1	81.5	83.6	93.3	93.8	92.8	90.4	88.3	88.7	89.4	0.9%	2.3%
Other Africa	7.4	7.1	6.3	6.4	5.5	6.5	6.6	6.2	7.6	8.2	8.7%	0.2%
Total Africa	89.0	90.4	91.5	101.2	100.4	100.0	97.8	95.3	96.6	98.6	2.0%	2.5%
Australia	53.9	56.6	54.9	55.4	53.4	50.6	50.2	47.3	44.9	43.8	-2.5%	1.1%
Bangladesh	0.5	0.5	0.6	0.6	0.8	0.8	0.7	0.9	1.0	1.0	6.1%	◆
China	1318.2	1445.5	1573.1	1598.5	1679.0	1740.8	1896.0	1922.5	1961.2	1962.4	0.1%	50.6%
China Hong Kong SAR	6.9	6.9	7.5	6.9	7.2	6.2	7.4	7.3	7.8	8.1	4.8%	0.2%
India	184.4	195.4	210.3	230.4	250.3	260.2	270.1	302.3	324.3	360.2	11.1%	9.3%
Indonesia	24.4	28.9	36.2	31.5	33.2	39.5	46.9	53.0	57.6	60.8	5.6%	1.6%
Japan	121.3	119.1	125.3	128.7	108.8	123.7	117.7	124.4	128.6	126.5	-1.6%	3.3%
Malaysia	6.9	7.3	8.8	9.8	10.6	14.8	14.8	15.9	17.0	15.9	-6.2%	0.4%
New Zealand	2.3	2.2	1.7	2.1	1.6	1.4	1.4	1.7	1.5	1.5	-4.4%	◆
Pakistan	4.1	4.0	5.3	5.8	5.2	4.9	4.4	4.4	3.5	4.9	37.4%	0.1%
Philippines	5.7	5.5	5.9	7.0	6.7	7.7	8.3	9.8	11.0	11.7	6.5%	0.3%
Singapore	^	^	^	^	^	^	^	^	^	^	2.9%	◆
South Korea	54.8	54.8	59.7	66.1	68.6	75.9	83.6	81.0	81.9	84.8	3.5%	2.2%
Taiwan	38.0	39.5	41.2	39.5	38.0	39.9	41.5	41.1	41.0	40.9	-0.2%	1.1%
Thailand	11.2	12.4	14.2	15.3	15.4	15.8	16.0	16.8	16.2	18.4	13.3%	0.5%
Vietnam	9.0	5.3	5.8	11.4	10.7	14.0	16.5	15.0	15.8	19.1	20.6%	0.5%
Other Asia Pacific	21.0	21.6	18.5	20.3	20.4	20.0	15.4	15.9	16.3	16.7	2.7%	0.4%
Total Asia Pacific	1862.6	2005.7	2169.2	2229.3	2309.9	2416.3	2590.8	2659.3	2729.5	2776.6	1.7%	71.5%
Total World	3122.4	3278.0	3457.5	3500.1	3451.9	3611.2	3777.4	3798.8	3867.0	3881.8	0.4%	100.0%
of which: OECD	1187.7	1193.7	1215.8	1188.4	1061.5	1130.0	1109.5	1061.5	1069.1	1052.5	-1.5%	27.1%
Non-OECD	1934.7	2084.3	2241.7	2311.7	2390.4	2481.2	2667.8	2737.3	2797.9	2829.3	1.1%	72.9%
European Union #	316.6	327.0	330.2	304.4	267.6	281.3	288.9	297.4	288.6	269.8	-6.5%	7.0%
Former Soviet Union	165.5	173.0	172.3	182.8	166.8	167.6	176.8	185.3	177.8	162.6	-8.6%	4.2%

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

^ Less than 0.05.

◆ Less than 0.05%.

Excludes Estonia, Latvia and Lithuania prior to 1985 and Slovenia prior to 1991.

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

Table 10.4: Trends of World Coal Prices

(in USD/ Tonne)

Year	Northwest Europe marker price †	US Central Appalachian coal spot price index ‡	Japan coking coal import cif price	Japan steam coal import cif price	Asian Marker price †
(1)	(2)	(3)	(4)	(5)	(6)
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	39.69	34.58	31.76
2001	39.03	50.15	41.33	37.96	36.89
2002	31.65	33.20	42.01	36.90	30.41
2003	43.60	38.52	41.57	34.74	36.53
2004	72.08	64.90	60.96	51.34	72.42
2005	60.54	70.12	89.33	62.91	61.84
2006	64.11	62.96	93.46	63.04	56.47
2007	88.79	51.16	88.24	69.86	84.57
2008	147.67	118.79	179.03	122.81	148.06
2009	70.66	68.08	167.82	110.11	78.81
2010	92.50	71.63	158.95	105.19	105.43
2011	121.52	87.38	229.12	136.21	125.74
2012	92.50	72.06	191.46	133.61	105.50
2013	81.69	71.39	140.45	111.16	90.90
2014	75.38	69.00	114.41	97.65	77.89

† Source: McCloskey Coal Information Service. Prices for 1990-2000 are the average of the monthly marker, 2001-2014 the average of weekly prices.

‡ Source: Platts. Prices are for CAPP 12,500 Btu, 1.2 SO₂ coal, fob.

Prices for 1990-2000 are by coal price publication date, 2001-2014 by coal price assessment date.

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 2013 & 2014

(Quantity in Thousand Tonnes)

Country	2013					2014				
	Coking Coal	Other Bit. & Anthracite	SubBit. 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)
Algeria										
Benin										
Botswana		1496					1500			
Democratic Republic of Congo										
Egypt					258					
Ethiopia										
Ghana										
Kenya										
Mauritius										
Morocco										
Mozambique	3277	2198				3765	2378			
Namibia										
Niger				242					263	
Nigeria		44					44			
Other Africa		312					312			
Senegal										
South Africa	3377	252905			2232	2619	250629			
Togo										
Tunisia										
United Republic of Tanzania		85					96			
Zambia		400					400			
Zimbabwe	449	3424			330		3873			
Africa Total	7103	260864	0	242	2820	6384	259232	0	263	0
Bangladesh		855					855			
Cambodia										
Chinese Taipei					5678					
DPR of Korea		31740	4555				30653	4555		
Hong Kong (China)										
India	49638	508948		44271	26007	51355	562690		47158	
Indonesia	3593	267100	217043			2729	257022	211036		
Islamic Republic of Iran	1002	98			472	1000	100			
Israel										
Japan					39572					39361
Jordan										
Korea		1815			14710		1746			15320
Kuwait										
Kyrgyzstan		251		1157			251		1312	
Lebanon										
Malaysia		2894					2894			
Mongolia	6876	12692		6330	92	10274	13654		6330	
Myanmar		535		42			535		42	
Nepal		19					19			
Other Asia		1777		543	51		1777		543	
Pakistan		2110		1209	193		2110		1209	
People's Republic of China	600694	2984054			481691	609634	2874108			
Philippines			7091				1200	8314		
Saudi Arabia										

Contd.....

Table-10.5: Production of Coal and Coke by Major Coal Producing Countries during 2013 & 2014

(Quantity in Thousand Tonnes)

Country	2013					2014				
	Coking Coal	Other Bit. & Anthracite	SubBit. 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)
Singapore										
Sri Lanka										
Syrian Arab Republic										
Tajikistan		482	34				516	34		
Thailand				17591					17980	
United Arab Emirates										
Uzbekistan		56		3973			47		4353	
Vietnam		41035					35777			
Yemen										
Asia Total	661803	3856461	228723	75116	568466	674992	3785954	223939	78927	54681
Australia	159494	209326	27275	62845	2877	184827	221107	24567	60661	2651
New Zealand	2152	128	2056	290	491	1760	180	1728	317	503
Australia and Oceania Total	161646	209454	29331	63135	3368	186587	221287	26295	60978	3154
Albania				3					3	
Armenia										
Austria					1348					1330
Belarus										
Belgium					1686					1443
Bosnia and Herzegovina			6054	5711	759			6477	6110	
Bulgaria		6		28615					31231	
Croatia										
Cyprus										
Czech Republic	4559	4035		40385	2489	4590	4090		38177	2539
Denmark										
Estonia					22					25
Finland					878					888
France					3332					3237
Georgia				404					404	
Germany	4756	3504		182696	8273	4818	3519		178178	8770
Greece				53924					48023	
Hungary				9558	924				9551	924
Iceland										
Ireland										
Italy		73			2651		60			2187
Kazakhstan	12968	99916		6690	2379	15318	93494		6646	
Kosovo				8219					8219	
Latvia										
Lithuania										
Luxembourg										
Montenegro				1692					1640	
Netherlands					1985					2011
Norway		1855					1675			
Other Europe										

Contd.....

Table-10.5: Production of Coal and Coke by Major Coal Producing Countries during 2013 & 2014

(Quantity in Thousand Tonnes)

Country	2013					2014				
	Coking Coal	Other Bit. & Anthracite	SubBit. 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)
Poland	12116	64350		65849	9360	12288	60225		63877	9568
Portugal										
Republic of Moldova										
Romania			47	24674				47	23550	
Russian Federation	73802	178505		73680	36444	74995	189475		69588	
Serbia				40297					29940	
Slovak Republic				2353	1541				2174	1560
Slovenia				3876					3108	
Spain		2542	1826		1761		2669	1230		1544
Sweden					1079					1113
Switzerland										
Turkey	817	1151	899	57526	4205	831	942	867	61500	4388
Ukraine	19663	44540			17587	12781	27532			
United Kingdom	179	12494			3800	225	11310			3632
Macedonia				6686					7128	
Europe Total	128860	412971	8826	612838	102503	125846	394991	8621	589047	45159
Canada	34063	4219	21657	8969	2480	30566	4972	24968	8514	2326
Costa Rica										
Cuba										
Dominican Republic										
Guatemala										
Honduras										
Jamaica										
Mexico	1205	65	13397	663	2216	2139	4	11927	628	2231
Panama										
United States of America	77857	349752	393978	70061	13898	74965	348461	408685	72110	13402
North America Total	113125	354036	429032	79693	18594	107670	353437	445580	81252	17959
Argentina		83			794		83			
Bolivarian Rep. of Venezuela		947					2298			
Brazil		122	4827	3645	9393		4515	3418		
Chile		3028			438		3750			502
Colombia	4239	81257			2285	5104	83474			
Peru		248					248			
Uruguay										
Venezuela										
South America Total	4239	85685	4827	3645	12910	5104	94368	3418	0	502
World	1076776	5179471	700739	834669	708661	1106583	5109269	707853	810467	121455

Source: International Energy Agency (IEA)

Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2013 & 2014

(Quantity in Thousand Tonnes)

Country	2013					2014				
	Coking Coal	Other Bit. & Anthracite	SubBit. 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)
Algeria					270					
Benin							70			
Botswana										
Democratic Republic of Congo							6			
Egypt	305				395	434	351			
Ethiopia		291					362			
Ghana							42			
Kenya		339					446			
Mauritius		708					700			
Morocco		4511					5609			
Mozambique										
Namibia							30			
Niger										
Nigeria							135			
Other Africa		963					1586			
Senegal		350					552			
South Africa	915					1296				
Togo							141			
Tunisia							65			
United Republic of Tanzania							46			
Zambia										
Zimbabwe		62								
Africa Total	1220	7224	0	0	665	1730	10141	0	0	0
Bangladesh		1000		30			988			
Cambodia			96				155	487		
Chinese Taipei	6727	45906	13318		175	7293	46327	13466		
DPR of Korea		63			196		254			
Hong Kong (China)		12972					13788			
India	41911	56930	89953		4171	50699	76874	111804		
Indonesia	110					1829				
Islamic Republic of Iran		87			977		42			
Israel		12643	172				10580	162		
Japan	53852	141757			2032	50689	137002			3218
Jordan		320			13		400			
Korea	30194	94510	1803		364	33827	92192	4866		406
Kuwait							336			
Kyrgyzstan		1271		4			1269			
Lebanon		200					307			
Malaysia		22064					23611			
Mongolia		1								
Myanmar		47					113			
Nepal		724					724			

Contd.....

Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2013 & 2014

(Quantity in Thousand Tonnes)

Country	2013					2014				
	Coking Coal	Other Bit. & Anthracite	SubBit. 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)
Other Asia		479					706			
Pakistan	276	3598				269	4524			
People's Republic of China	75421	251761			35	62439	229143			
Philippines		11869	2330		216		11490	3734		
Saudi Arabia							92			
Singapore		421			11		1157			
Sri Lanka		1131					1617			
Syrian Arab Republic					1					
Tajikistan		10								
Thailand		18726			38		20909			
United Arab Emirates		2311	56				2456	570		
Uzbekistan				20						
Vietnam		1083	225		168		1754	506		
Yemen		185					383			
Asia Total	208491	682069	107953	54	8397	207045	679193	135595	0	3624
Australia					41		15	17		81
New Zealand		62	458				30	354		
Australia and Oceania Total	0	62	458	0	41	0	45	371	0	81
Albania		102					79			
Armenia		1								
Austria	1753	1424	74	13	1260	1824	1332	86		1186
Belarus		586			81		551			
Belgium	2403	2881			69	2159	2980			69
Bosnia and Herzegovina	1164		5	10	22	1154		43	18	
Bulgaria		1547			71		1779		2	
Croatia		1182		54	27		959		43	
Cyprus				1						
Czech Republic	1006	1004		312	429	1595	1520		1358	261
Denmark		4895			19		4519			19
Estonia		59					82			
Finland	1213	3854			373	929	3102			401
France	5217	11742		146	826	5001	8097		178	807
Georgia	155	78				155	50			
Germany	7790	46529		18	3489	9710	47302		13	3537
Greece		344		97			192		26	
Hungary	1284	35	256		9	1321	39	205		49
Iceland		120			27		116			25
Ireland		2383					1974			
Italy	2882	16755	495	5	929	2362	17105	461	3	1216
Kazakhstan		228		1	827		171			
Kosovo		21		3			20			
Latvia		119			1		123			

Contd.....

Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2013 & 2014

(Quantity in Thousand Tonnes)

Country	2013					2014				
	Coking Coal	Other Bit. & Anthracite	SubBit. 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)
Lithuania		417	3	1	19		330		1	
Luxembourg		75			1		85			1
Montenegro				3					3	
Netherlands	4152	42535		48	110	10129	44548		22	295
Norway		640			417		761			454
Other Europe										
Poland	2250	8265		195	179	2404	7899		159	169
Portugal		4246					4371			
Republic of Moldova		259					244			
Romania	93	144	693	174	716	60	132	507	390	
Russian Federation	1846	26027		1530	162	1181	22598		1544	
Serbia		101		306	184		100		300	
Slovak Republic	2593	1246		437	161	2680	1104		478	166
Slovenia		23	389	143	31		23	418	54	38
Spain	2527	11135			190	1631	14763			248
Sweden	1173	1367			98	1542	1232			98
Switzerland		144		64	19		39		134	17
Turkey	5759	20874			531	6250	23566			352
Ukraine	6804	7404			702	7075	7180			
United Kingdom	6246	43156			819	6344	34500			925
Macedonia		6	158	141	3		1	200	25	
Europe Total	58310	263953	2073	3702	12801	65506	255568	1920	4751	10333
Canada	3378	2885	2270	19	317	3907	2217	1676	19	897
Costa Rica		3			94		9			
Cuba		3			3					
Dominican Republic		850			409	249	911			
Guatemala		606					1592			
Honduras		112			161		202			
Jamaica		95					95			
Mexico	2279	59	5149	3	374	2027	30	5284	3	501
Panama		342			160		414			
United States of America	876	6890	200	112	125	1449	7985	672	100	69
North America Total	6533	11845	7619	134	1643	7632	13455	7632	122	1467
Argentina	13	1024				13	2040			
Bolivarian Rep. of Venezuela										
Brazil	10592	7125	323		1896	10960	9391			
Chile	566	9735			34	614	9364			7
Colombia										
Peru		649			62		526			
Uruguay		4					33			
Venezuela										
South America Total	11171	18537	323	0	1992	11587	21354	0	0	7
World	285725	983690	118426	3890	25539	293500	979756	145518	4873	15512

Source: International Energy Agency (IEA)

Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2013 & 2014

(Quantity in Thousand Tonnes)

Country	2013					2014				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	SubBit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Algeria										
Benin										
Botswana		2								
Democratic Republic of Congo										
Egypt					90					
Ethiopia										
Ghana										
Kenya										
Mauritius										
Morocco										
Mozambique	3127	364				3765	864			
Namibia										
Niger										
Nigeria										
Other Africa		267								
Senegal										
South Africa	572	73993				400	75991			
Togo										
Tunisia										
United Republic of Tanzania										
Zambia										
Zimbabwe					231					
Africa Total	3699	74626	0	0	321	4165	76855	0	0	0
Bangladesh										
Cambodia										
Chinese Taipei					14					
DPR of Korea		16703					15610			
Hong Kong (China)										
India	8	2180		2	154		1224			
Indonesia	3593	266900	157425			2729	256822	151367		
Islamic Republic of Iran	317	33				300	46			
Israel										
Japan		2			1181		1			483
Jordan										
Korea										
Kuwait										
Kyrgyzstan		144		12						
Lebanon										
Malaysia		518					170			
Mongolia	7744	10450		179		10074	9146		43	
Myanmar							3			
Nepal										

Contd.....

Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2013 & 2014
(Quantity in Thousand Tonnes)

Country	2013					2014				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	SubBit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Other Asia		50		436	51		50		436	
Pakistan										
People's Republic of China	1111	8465			4673	797	4799			
Philippines			3401				461	4769		
Saudi Arabia										
Singapore							386			
Sri Lanka										
Syrian Arab Republic										
Tajikistan										
Thailand		9								
United Arab Emirates										
Uzbekistan				41					40	
Vietnam		12802			152		9866			
Yemen										
Asia Total	12773	318256	160826	670	6225	13900	298584	156136	519	483
Australia	153987	182109			696	180458	194586			714
New Zealand	2096					1719		22		
Australia & Oceania Total	156083	182109	0	0	696	182177	194586	22	0	714
Albania										
Armenia										
Austria		1			1					
Belarus							2			
Belgium	28	570			354		557			195
Bosnia and Herzegovina	2		313	57	279	3		300	53	
Bulgaria		3		80			65		26	
Croatia		11			1		22			
Cyprus										
Czech Republic	2230	2588		1111	457	2350	1942		893	517
Denmark		52					42			
Estonia					20					23
Finland					70					73
France	39	152			12	68	178			54
Georgia				4						
Germany	6	245		179	302	5	203		1171	406
Greece		11		17						
Hungary			11	220	495			26	382	470
Iceland										
Ireland		13					13			
Italy					246			2		341
Kazakhstan	318	31444		2049	23	318	26525		2049	
Kosovo				14						
Latvia		8					45			

Contd.....

Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2013 & 2014
(Quantity in Thousand Tonnes)

Country	2013					2014				
	Coking Coal	Other Bit. & Anthracite	Sub Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	SubBit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Lithuania	35					32				
Luxembourg										
Montenegro	23					23				
Netherlands	15	31886			269	5632	33096			363
Norway		2068			1		1608			
Other Europe										
Poland	2252	8594		218	6600	2091	6745		303	6675
Portugal										
Republic of Moldova										
Romania		6		1			5		37	
Russian Federation	21528	117451		1775	2517	21082	132019		2404	
Serbia		3		53						
Slovak Republic						60				
Slovenia		7					1			
Spain		677			168	25	1259			130
Sweden		1			26		1			30
Switzerland										
Turkey	1	4			8	6	57			5
Ukraine	1124	7413			1982	268	5357			
United Kingdom	9	585			87	1	424			88
Macedonia	2									
Europe Total	27552	203828	326	5801	13978	31849	210198	328	7341	9413
Canada	35020	3969	8	102	29	31063	3301	8	92	61
Costa Rica										
Cuba										
Dominican Republic										
Guatemala										
Honduras										
Jamaica										
Mexico		5			1		3			1
Panama										
United States of America	59585	35788	11339	33	760	57195	25218	5867	18	856
North America Total	94605	39762	11347	135	790	88258	28522	5875	110	918
Argentina		27			55					
Bolivarian Rep. of Venezuela		659					2008			
Brazil										
Chile		1259					1893			198
Colombia	1170	78982			2105	1447	78816			
Peru										
Uruguay										
Venezuela										
South America Total	1170	80927	0	0	2160	1447	82717	0	0	198
World	295882	899508	172499	6606	24170	321796	891462	162361	7970	11726

Source: International Energy Agency (IEA)

Section XI

Mine Statistics

11.1 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 (Table 11.1), Number of Mines-State-wise (Table 11.2), Number of Mines-Sector-wise (Table 11.3), Number of Mines-Captive/ Non Captive (Table 11.4), Number of Mines-Public/ Private, Captive/Non Captive (Table 11.5), Number of Working Coal Mines (Table 11.6), Number of working Lignite Mines (Table 11.7), Number of Mines - State-wise, Public/ private, Captive/ Non captive (Table 11.8), and Number of Lignite Mines-State-wise, Public/private, Captive/ Non captive (Table 11.9) as on 31.03.2015.

11.2 It is observed that the number and distribution of coal mines have remained more or less static over the previous year. As on 31.03.2015, the total number of operating coal mines was reported to be 539. The state-wise distribution of these coal mines is given in statement 11.1.

Statement 11.1: state-wise distribution of producing coal mines as on 31.03.2015			
State	No. of coal mines		
	Captive	Non-Captive	Total
Arunachal Pradesh	1	0	1
Assam	0	4	4
Chhattisgarh	9	52	61
Jammu & Kashmir	0	4	4
Jharkhand	5	147	152
Madhya Pradesh	5	65	70
Maharashtra	10	56	66
Meghalaya	0	3	3
Odisha	1	26	27
Telangana	0	48	48
Uttar Pradesh	0	4	4
West Bengal	9	90	99
All India	40	499	539

11.3 As on 31.03.2015, the total number of operating lignite mines was reported to be 16. 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 31.03.2014			
State	No. of coal mines		
	Captive	Non-Captive	Total
Gujarat	10	0	10
Rajasthan	6	0	6
Tamilnadu	0	3	3
All India	16	3	19

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

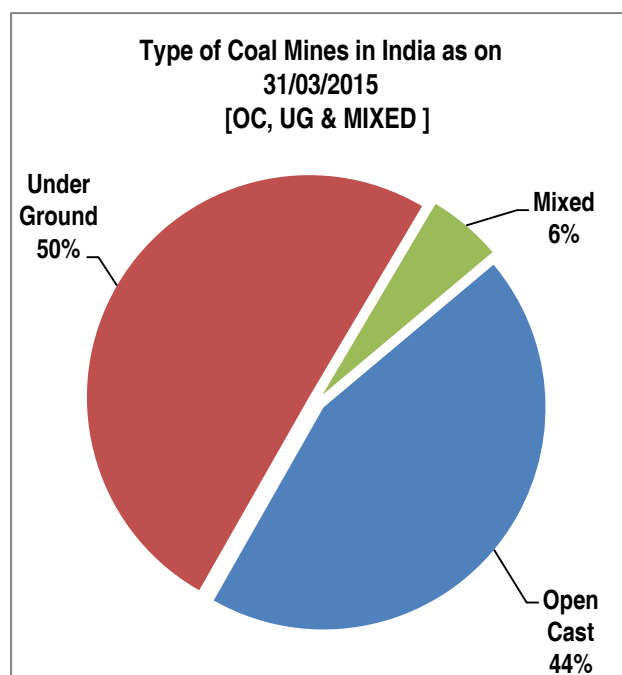
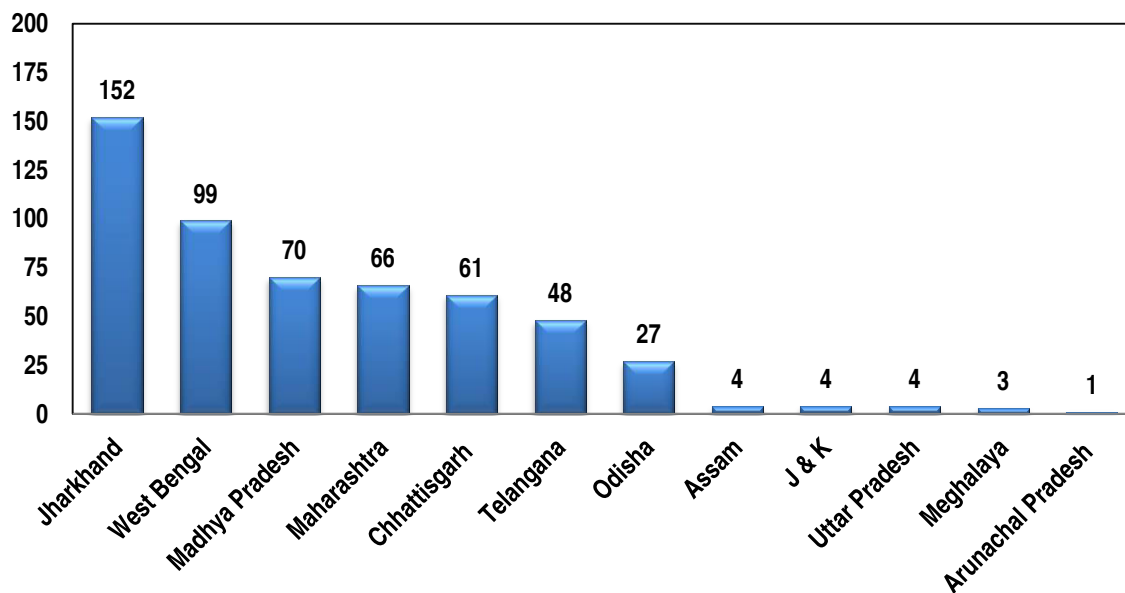


Chart - I : Number of Coal Mines-Statewise as on 31/03/2015



**Chart-II : Type of Coal Mines in India as on 31/03/2015
[OC, UG & MIXED]**

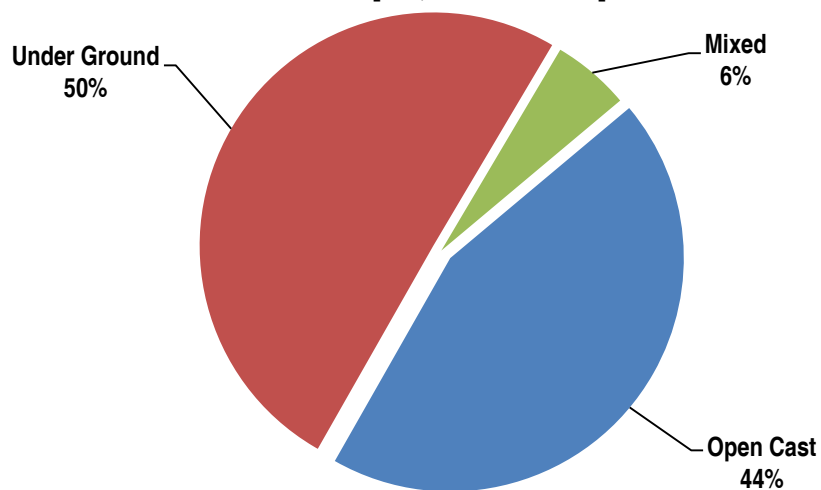


Chart - III : No. of Lignite Mines as on 31/03/2015

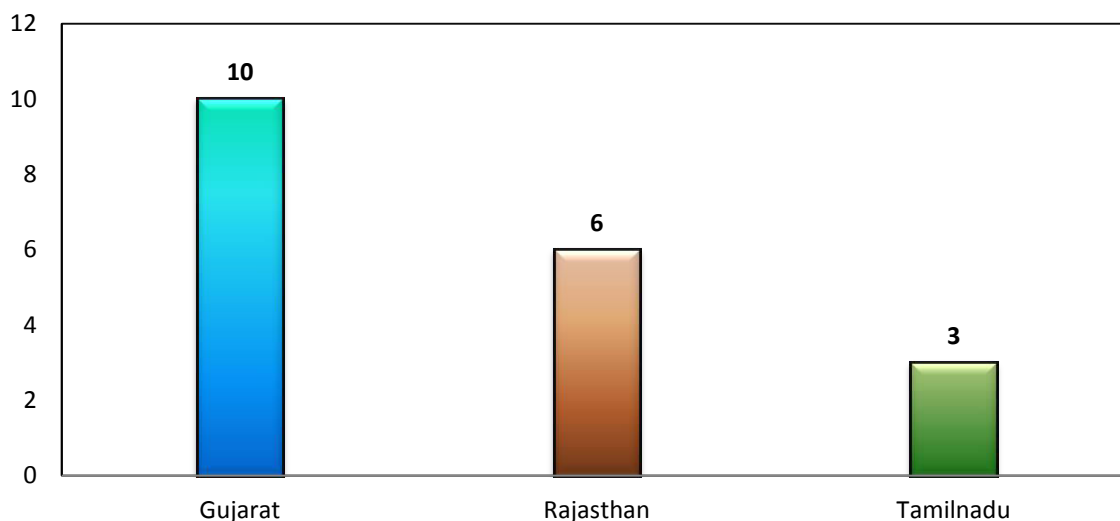


Table 11.1: Number of Coal & Lignite Mines -Companywise as on 31/03/2015

Coal / Lignite	Company	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	ECL	20	75	9	104
	BCCL	19	15	17	51
	CCL	45	22	1	68
	NCL	10	0	0	10
	WCL	41	41	0	82
	SECL	21	63	1	85
	MCL	16	10	0	26
	NEC	3	1	0	4
	CIL	175	227	28	430
	SCCL	16	32	0	48
	JSMDCL	1	0	0	1
	DVC	1	0	0	1
	DVC EMTA	1	0	0	1
	IISCO	1	2	1	4
	JKML	0	4	0	4
	APMDTCL	1	0	0	1
	SAIL	1	0	0	1
	RRVUNL	2	0	0	2
	WBMDTCL	1	0	0	1
	WBPDC	6	0	0	6
	PSEB-PANEM	1	0	0	1
	KECML	6	0	0	6
	MPSMCL	1	0	0	1
	PUBLIC	214	265	29	508
	TISCO	3	5	0	8
	MEGHALAYA	3	0	0	3
	BLA	2	0	0	2
	JPL	2	0	0	2
	TUML-SVSL	2	0	0	2
	SPL	2	0	0	2
	ICML	1	0	0	1
	JSPL	1	0	0	1
	HIL	1	0	0	1
MIEL	0	1	0	1	
PIL	1	0	0	1	
JNL	1	0	0	1	
SIL	1	0	0	1	
ESCL	1	0	0	1	
UML	1	0	0	1	
SEML	1	0	0	1	
BSIL	1	0	0	1	
SOVA	1	0	0	1	
PRIVATE	25	6	0	31	
Total	239	271	29	539	
Lignite	NLCL	4			4
	GMDCL	6			6
	GIPCL	3			3
	GHCL	1			1
	RSMML	3			3
	VSLPPL	1			1
	BLMCL	1			1
	Total	19			19

Table 11.2: Number of Coal & Lignite Mines -Statewise as on 31/03/2015

Coal / Lignite	States	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	Telangana	16	32	0	48
	Arunachal Pradesh	1	0	0	1
	Assam	3	1	0	4
	Chhattisgarh	23	37	1	61
	J & K	0	4	0	4
	Jharkhand	80	52	20	152
	Madhya Pradesh	24	46	0	70
	Maharashtra	44	22	0	66
	Odisha	17	10	0	27
	Uttar Pradesh	4	0	0	4
	West Bengal	24	67	8	99
	Meghalaya	0	3	0	3
	All India		236	274	29
Lignite	Gujarat	10			10
	Tamilnadu	3			3
	Rajasthan	5			5
	All India		18		

Coal Mines in the state of Meghalaya operated in private sector are not

Table 11.3: Number of Mines -Sectorwise as on 31/03/2015

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Public	214	265	29	508
	Private	25	6	0	31
	Total	239	271	29	539
LIGNITE :	Public	17			17
	Private	2			2
	Total	19			19

Table 11.4: Number of Mines -Captive/Non Captive as on 31/03/2015

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Captive	39	1	0	40
	Non Captive	200	270	29	499
	Total	239	271	29	539
LIGNITE :	Captive	15			15
	Non Captive	4			4
	Total	19			19

Table 11.5: Number of Mines -Public/Private, Captive/Non Captive as on 31/03/2015

Type	Sector	No. of Collieries			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Public Captive	20	0	0	20
	Public Non-Captive	194	265	29	488
	Private Captive	19	1	0	20
	Private Non-Captive	6	5	0	11
	Total	239	271	29	539
LIGNITE :	Public Captive	13			13
	Public Non-Captive	4			4
	Private Captive	2			2
	Private Non-Captive	0			0
	Total	19			19

Table 11.6: Number of Working Coal Mines as on 31/03/2015 (including non-producing but not yet closed and under construction mines)

Company	Telangana			Arunachal Pradesh			Assam			Chhattisgarh				J & K			Jharkhand				Madhya Pradesh			
	OC	UG	TOTAL	OC	UG	TOTAL	OC	UG	TOTAL	OC	UG	Mixed	TOTAL	OC	UG	TOTAL	OC	UG	Mixed	TOTAL	OC	UG	Mixed	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
ECL			0							0			0			0	7	9	1	17				0
BCCL			0							0			0			0	18	15	17	50				0
CCL			0							0			0			0	45	22	1	68				0
NCL			0							0			0			0				0	6			6
WCL			0							0			0			0				0	7	19		26
SECL			0							0	15	36	1	52		0				0	6	27		33
MCL			0							0			0			0				0				0
NEC			0				3	1	4				0			0				0				0
CIL	0	0	0	0	0	0	3	1	4	15	36	1	52	0	0	0	70	46	19	135	19	46	0	65
SCCL	16	32	48			0			0				0			0				0				0
JSMDCL			0			0			0				0			0	1			1				0
DVC			0			0			0				0			0	1			1				0
DVC EMTA			0			0			0				0			0	0			0				0
IISCO			0			0			0				0			0		1	1	2				0
JKML			0			0			0				0	4	4					0				0
APMDTCL			0	1		1			0				0			0				0				0
SAIL			0			0			0				0			0	1			1				0
RRVUNL			0			0			0	2			2			0				0				0
WBMDTCL			0			0			0				0			0				0				0
WBPDCCL			0			0			0				0			0	1			1				0
PSEB-PANEM			0			0			0				0			0	1			1				0
KECML			0			0			0				0			0				0				0
MPSMCL			0			0			0				0			0				0	1			1
PUBLIC	16	32	48	1	0	1	3	1	4	17	36	1	54	0	4	4	75	47	20	142	20	46	0	66
TISCO			0			0			0				0			0	3	5		8				0
MEGHALAYA																								0
ICML			0			0			0				0			0				0				0
JSPL			0			0			0	1			1			0				0				0
HIL			0			0			0				0			0				0				0
MIEL			0			0			0		1		1			0				0				0
BLA			0			0			0				0			0				0	2			2
PIL			0			0			0	1			1			0				0				0
JNL			0			0			0	1			1			0				0				0
JPL			0			0			0	2			2			0				0				0
SIL			0			0			0				0			0				0				0
ESCL			0			0			0				0			0	1			1				0
UML			0			0			0				0			0	1			1				0
SEML			0			0			0	1			1			0				0				0
BSIL			0			0			0				0			0				0				0
TUML-SVSL			0			0			0				0			0	0			0				0
SPL			0			0			0				0			0	0			0	2			2
SOVA			0			0			0				0			0				0				0
PRIVATE	0	0	0	0	0	0	0	0	0	6	1	0	7	0	0	0	5	5	0	10	4	0	0	4
Total	16	32	48	1	0	1	3	1	4	23	37	1	61	0	4	4	80	52	20	152	24	46	0	70

Contd...

Table 11.6: Number of Working Coal Mines as on 31/03/2015 (including non-producing but not closed yet and under construction mines)

Company	Maharashtra				Odisha			UP		West Bengal				Meghalaya		All India			
	OC	UG	Mixed	TOTAL	OC	UG	TOTAL	OC	TOTAL	OC	UG	Mixed	TOTAL	OC	TOTAL	OC	UG	Mixed	TOTAL
(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)
ECL				0			0		0	13	66	8	87		0	20	75	9	104
BCCL				0			0		0	1			1		0	19	15	17	51
CCL				0			0		0				0		0	45	22	1	68
NCL				0			0	4	4				0		0	10	0	0	10
WCL	34	22		56			0		0				0		0	41	41	0	82
SECL				0			0		0				0		0	21	63	1	85
MCL				0	16	10	26		0				0		0	16	10	0	26
NEC				0			0		0				0		0	3	1	0	4
CIL	34	22	0	56	16	10	26	4	4	14	66	8	88	0	0	175	227	28	430
SCCL				0			0		0				0		0	16	32	0	48
JSMDCL				0			0		0				0		0	1	0	0	1
DVC				0			0		0				0		0	1	0	0	1
DVC EMTA				0			0		0	1			1		0	1	0	0	1
IISCO				0			0		0	1	1		2		0	1	2	1	4
JKML				0			0		0				0		0	0	4	0	4
APMDTCL				0			0		0				0		0	1	0	0	1
SAIL				0			0		0				0		0	1	0	0	1
RRVUNL				0			0		0				0		0	2	0	0	2
WBMDTCL				0			0		0	1			1		0	1	0	0	1
WBPDCCL				0			0		0	5			5		0	6	0	0	6
PSEB-PANEM				0			0		0				0		0	1	0	0	1
KECML	6			6			0		0				0		0	6	0	0	6
MPSMCL				0			0		0				0		0	1	0	0	1
PUBLIC	40	22	0	62	16	10	26	4	4	22	67	8	97	0	0	214	265	29	508
TISCO				0			0		0				0		0	3	5	0	8
MEGHALAYA														3	3	0	3	0	3
ICML				0			0		0	1			1		0	1	0	0	1
JSPL				0			0		0				0		0	1	0	0	1
HIL				0	1		1		0				0		0	1	0	0	1
MIEL				0			0		0				0		0	0	1	0	1
BLA				0			0		0				0		0	2	0	0	2
PIL				0			0		0				0		0	1	0	0	1
JNL				0			0		0				0		0	1	0	0	1
JPL				0			0		0				0		0	2	0	0	2
SIL	1			1			0		0				0		0	1	0	0	1
ESCL				0			0		0				0		0	1	0	0	1
UML				0			0		0				0		0	1	0	0	1
SEML				0			0		0				0		0	1	0	0	1
BSIL	1			1			0		0				0		0	1	0	0	1
TUML-SVSL	2			2			0		0				0		0	2	0	0	2
SPL				0			0		0				0		0	2	0	0	2
SOVA				0			0		0	1			1		0	1	0	0	1
PRIVATE	4	0	0	4	1	0	1	0	0	2	0	0	2	3	3	22	9	0	31
Total	44	22	0	66	17	10	27	4	4	24	67	8	99	3	3	236	274	29	539

Table 11.7: Number of Working Lignite Mines as on 31/03/2015

Company	Captive & Non Captive	Public & Private	GUJARAT			TAMILNADU			RAJASTHAN			All India		
			OC	UG	TOTAL	OC	UG	TOTAL	OC	UG	TOTAL	OC	UG	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
NLCL	Non Captive	Public			0	3		3	1		1	4	0	4
GMDCL	Captive	Public	6		6			0			0	6	0	6
GIPCL	Captive	Public	3		3			0			0	3	0	3
GHCL	Captive	Private	1		1			0			0	1	0	1
RSMML	Captive	Public			0			0	3		3	3	0	3
VSLPPL	Captive	Private			0			0	1		1	1	0	1
BLMCL	Captive	Public			0			0	1		1	1	0	1
TOTAL			10	0	10	3	0	3	5	0	6	19	0	19

**TABLE 11.8: NO. OF COAL MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE
AS WELL AS STATE-WISE BREAKUP as on 31/03/2015**

State	Captive	Non-Captive	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Telangana	0	48	48	48	0	48
Arunachal Pradesh	1	0	1	1	0	1
Assam	0	4	4	4	0	4
Chhattisgarh	9	52	61	54	7	61
Jammu & Kashmir	0	4	4	4	0	4
Jharkhand	5	147	152	142	10	152
Madhya Pradesh	5	65	70	66	4	70
Maharashtra	10	56	66	62	4	66
Meghalaya	0	3	3	0	3	3
Odisha	1	26	27	26	1	27
Uttar Pradesh	0	4	4	4	0	4
West Bengal	9	90	99	97	2	99
All India	40	499	539	508	31	539

**TABLE 11.9: NO. OF LIGNITE MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE
AS WELL AS STATE-WISE BREAK UP as on 31/03/2015**

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

NOTE ON MEGHALAYA COAL**The Status of Coal Mining in the State of Meghalaya:-**

In course of 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 01-04-2015 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 20 years is given below.

(Quantity in Million Tonnes)

SI 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

According to the Mining & Geology Deptt. of the Govt. Of Meghalaya ungraded type of coal is mined from the large number of small scale 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
2005-06	3.880	1.121	0.565	5.566
2006-07	3.046	1.175	0.566	5.787
2007-08	4.360	1.370	0.811	6.541
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

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 2014-15

(Quantity in Million Tonnes)

Month	Production
April'14	0.930
May'14	0.424
June'14	0.000
July'14	0.000
August'14	0.000
September'14	0.000
October'14	0.000
November'14	0.068
December'14	0.539
January'15	0.410
February'15	0.153
March'15	0.000
Total	2.524

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
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
DVC EMTA	DVC Emta Coal Mines Limited - Public - Captive
IISCO	Indian Iron & Steel Company Limited - Public - Non Captive
SAIL	Steel Authority of India Limited - Public - Captive
APMDTCL	Arunachal Pradesh Mineral Development & Trading Corp. Ltd. - Public - Non Captive
WBPDCL	West Bengal Power Development Corporation Limited - Public - Captive
RRVUNL	Rajasthan Rajya Vidyut Unnayan Nigam Limited - Public - Captive
WBMDTCL	West Bengal Mineral Development and Trading Corporation Limited - Public - Captive
PSEB-PANEM	Panjab State Electricity Board/Panem Coal Mines Limited - Public - Captive
MPSMCL	Madhya Pradesh State Mineral Corporation Limited
ICML	Integrated Coal Mining Limited - Private - Captive
JSPL	Jindal Steel & Power Limited - Private - Captive
TISCO	Tata Iron & Steel Company Limited - Private - Non Captive
HIL	Hindalco Industries Limited - Private - Captive
BLA	BLA Industries Limited - Private - Captive
MIEL	Monnet Ispat & Energy Limited - Private - Captive
PIL	Prakash Industries Limited - Private - Captive
JNL	Jayswal Neco Limited - Private - Captive
JPL	Jindal Power Open Cast Coal Mine - Private - Captive
SIL	Sunflag Iron & Steel Company Limited - Private - Captive
ESCL	Electro Steel Casting Limited - Private - Captive
UML	Usha Martin Limited - Private - Captive
KECML	Karnataka Emta Coal Mines Limited - Public - Captive
SEML	Sarda Energy & Minerals Limited - Private - Captive
BSIL	B. S. Ispat Limited - Private - Captive
TUML	Topworth Urja and Minerals Limited - Private - Captive
SPL	Sasan Power Limited - Private - Captive
SOVA	Sova Ispat 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
VS LIGNITE	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
