सत्यमेव जयते

कोल डाईरेक्टरी ऑफ इंडिया

COAL DIRECTORY OF INDIA

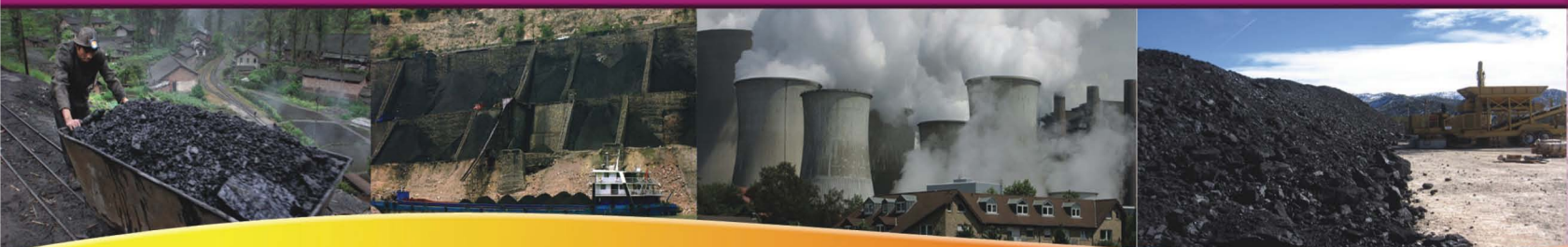
2013-14

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
2013 – 2014

Coal Statistics

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

COAL DIRECTORY OF INDIA 2013-14

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FOREWORD

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

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

Coal controller's Organisation has been carrying out for the past several years the task of collection and dissemination of data related to the coal and lignite sector of the country to meet data requirement of the Ministry of Coal, related Ministries and Government Organisations, different research bodies, planners, thinkers etc. through its publications namely 'The Coal Directory of India' and 'Provisional Coal Statistics'. Coal Directory of India provides Coal and Lignite Statistics spreading over eleven sections covering some general economy data, brief history of coal sector in India, present status, reserve, production, dispatches, pit head closing stock, price, export and import, trends of coal consumption in power, steel and cement production, captive coal and lignite blocks, world coal statistics and brief colliery statistics.

The data presented in this Directory have been collected from different coal/lignite companies through a format designed by the Coal Controller's Organisation. We are grateful to different data supply agencies viz., all CIL Subsidiaries, SCCL and other coal companies, SAIL Units, International Energy Agency (IEA), Geological Survey of India (GSI), Directorate General of Commercial Intelligence and Statistics (DGCI&S), Central Statistical Office (CSO), Central Electricity Authority (CEA), and Cement Manufacturer's Association for providing useful information so as to make the Coal Directory of India 2013-14 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 :
April, 2015

(A. Acharya)
Coal Controller.

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Section I

A. Historical Perspective

1.1 Coal Sector in India

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

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

1.1.3 Since 1920, a number of commissions & committees made observations on the question of conservation and winning of coal, safety of mines etc. which led to introduction of regulations and controls of the coal industry, in some form or other, in India. All the regulations and controls were directed towards state ownership of the coal mines in the country. Singareni Collieries Company Limited (SCCL) established in 1920 as a public limited company, has the distinction of being the first Government owned Coal Company in the country in 1945. In fact, in 1945, Nizam of Hyderabad bought majority of the shares of the company and brought the company under the State of Hyderabad. From 1945 to 1949, the Hyderabad Construction Company Limited worked as Managing Agent of SCCL. In 1949 this function was entrusted to Industrial Trust Fund by the then Government of Hyderabad. Pursuant to the reorganization of States in 1956, the controlling interest of the company devolved on the Government of 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 nationalisedw.e.f. 1.5.1972. Later on the management of 711 coal mines was also taken over by the Government with effect from 31.1.1973 and they were nationalisedw.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.

1.3.4 In this report of 2013-14, some changes have been made in the presentation for arrangement of coal blocks in Public sector and Private sector. This is mainly because this year the coal blocks have been shown in Public sector or Private sector strictly according to the original allotment in Public sector or Private sector. So the corresponding tables may not be strictly comparable over the past year's figures.

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 satisfaction 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.

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.

B. Concepts, Definitions and Practices

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

1.8 Classification of Coal

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

- **Hard Coal**
  - Anthracite
  - Bituminous coal
    - Coking coal
    - Other bituminous coal
- **Brown coal**
  - Sub-bituminous coal
  - Lignite

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

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

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

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

i) **Hard coal** – Coal of gross calorific value not less than 5700 kcal/kg (23.9 GJ/t) on an ash-free but moist basis and with a mean random reflectance of vitrinite of at least 0.6.

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

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

1.9 Classification of Coal in India

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

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

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

1.9.4 **Non-Coking Coal:** Non-Coking Coal does not have coking properties and is mainly used for power generation. It is also used for cement, fertilizer, glass, ceramic, paper, chemical and brick manufacturing, and for other heating purposes.

1.9.5 **Washed Coal:** Processing of coal through water separation mechanism to improve the quality of coal by removing denser material (rocks) and high ash produces washed coal which has less ash,

higher moisture, better sizing, better consistency, less abrasive, etc. The washed coking coal is used in manufacturing of hard coke for steel making. Washed non-coking coal is used mainly for power generation but is also used by cement, sponge iron and other industrial plants.

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

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

1.10 Categorisation of Coal in India

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

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

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

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

Table 5: Concordance Table

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

1.11 Some General Concepts

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

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

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

1.11.4 **Despatch and Off-take**: The term "Despatches" (say, of raw coal) is used in this compilation to mean all the despatches to different sectors but exclude collieries' own consumption (boiler coal used in collieries and supply to employee). On the other hand "Off-take" means total quantity of raw coal lifted for consumption and naturally includes colliery consumption. Therefore,

Off-take = Despatches + 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 basic 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, 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 2013-14, the total production of raw coal in India increased by 1.7% (from 556.402 MT in 2012-13 to 565.765 MT in 2013-14) whereas the corresponding decrease in the production of lignite was 4.7% (from 46.453 MT in 2012-13 to 44.271 MT in 2013-14). [Ref : table 3.1]

1. The contribution of public sector and private sector in the production of Raw Coal in 2013-14 was as follows:

Production of Raw Coal in 2013-14 (MT)			
Sector	Coking	Non-Coking	Total Coal
Public	49.503	478.577	528.080
Private	7.315	30.37	37.685
All India	56.818	508.947	565.765

2. The production of coking coal in 2013-14 in India was 56.818 MT whereas it was 51.582 MT in 2012-13, thus 10.2% growth over 2012-13. The corresponding figure for non-coking coal was 508.947 MT and 504.820 MT, marked 0.8% growth over 2012-13. [Ref Table: 3.8].
3. The production of washed (coking) coal in 2013-14 was 6.614 MT compared to 6.550 MT in 2012-13, thus 1.0% growth over 2012-13) and middling (coking) was 4.913 MT in 2013-14 compared to 5.464 MT in 2012-13, decrease by 10.1% over 2012-13). [Ref Table: 3.12]
4. During 2013-14, Chhattisgarh registered highest coal production of 127.095 MT (22.5 %) followed by Jharkhand 113.091 MT (20.0%) and Orissa 112.917 MT (20%). Tamil Nadu was the largest producer of lignite 25.056 MT (56.6%). [Ref Table: 3.11 & 3.10]
5. The contribution of Coal India Limited in the coal production of 2013-14 was 462.413 MT (81.73%) and that of SCCL was 50.469 MT (8.92%). During the period 2013-14, Neyveli Lignite Corporation contributed 26.609 MT (60.10%) to the total lignite production of 44.271 MT in 2013-14. [Ref Table: 3.8]
6. During 2013-14, highest coking coal producing state in India was Jharkhand (55.088 MT i.e. 96.95 %) whereas highest non-coking coal producing state was Chhattisgarh (126.970 MT i.e. 24.94 %). [Ref Table: 3.9]
7. Around 91.22 % of coal production of India in 2013-14 was from open-cast mines (516.116 MT) and the rest 49.649 MT from underground mines. [Ref Table:-3.17]
8. During 2013-14, SECL produced highest quantity of coal from underground i.e. 16.416 MT (13.21%) followed by SCCL which produced 10.548 MT (20.90 %). [Ref Table:3.17]
9. Overall Stripping Ratio for the year 2013-14 was 2.23 (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 2013-14 was 0.76 for CIL and 1.12 for SCCL. During 2013-14, OMS for opencast mines for CIL and SCCL was 13.16 and 11.10 respectively. [Ref table: 3.30]. OMS is the output measured in tonnes per unit of man-shift).

(B) Despatch

1. During 2013-14, despatch of indigenous raw coal was 572.060 MT against the corresponding figure of 567.136 MT during 2012-13 (increase of 0.87 % over 2012-13). Lignite despatch was 43.897 MT in 2013-14 against the corresponding figure of 46.313 MT during 2012-13 (decrease of 5.22% over 12-13). Despatches of solid fossil fuel increased from 613.449 MT in 2012-13 to 615.957 MT in 2013-14 registering an increase of 0.41% over the previous year. [Ref table: 4.1]
2. The contribution of public sector and private sector in the dispatch of Raw Coal in 2013-14 was as follows: [Ref table: 4.8]

Despatches of Raw Coal in 2013-14 (MT)			
Sector	Coking	Non-coking	Total Coal
Public	51.196	482.755	533.951
Private	7.268	30.841	38.109
All India	58.464	513.596	572.060

3. Despatches of coking coal increased to 58.464 MT in 2013-14 from 55.859 MT in 2012-13 (increase of 4.66 % over the previous year).
4. Despatches of Metallurgical coal increased to 15.236 MT in 2013-14 from 14.799 MT in 2012-13, registering a growth of 2.95 % over previous year. [Ref table:4.2]
5. Despatches of non-coking coal grew to 513.596 Mt in 2013-14 from 511.277 MT in 2012-13, registering an increase of 0.45 % over previous year. [Ref table 4.2]
6. During 2013-14 despatches of washed coal (coking) and middling (coking) were 6.645 MT and 4.894 MT respectively against corresponding despatch of 6.614 MT and 5.403 MT in 2012-13. [Ref table 4.3]
7. All coal producing states except Assam, J&K, Arunachal Pradesh, Jharkhand, Maharastra, Andhra Pradesh showed a positive growth in coal despaches resulting into a 0.87% growth in coal despatch across India during 2013-14. [Ref Table:-4.6]
8. In terms of coal despatch, Chhattisgarh had highest share of 124.674 MT (21.79%) followed by Jharkhand of 116.798 MT (20.42%) and Odisha of 116.795 MT (20.42%). [Ref table: 4.6]
9. In case of lignite despatch, Tamil Nadu had the largest share of 55.67% (24.438 MT). [Ref Table 4.7]
10. CIL despatched 470.916 MT and SCCL 47.892 MT of coal in 2013-14. Among other PSUs largest share in coal despatch was of PANEM (5.852 MT). Private sector despatched 38.109 MT of coal in which TISCO had largest share of 6.969 MT. [Ref Table 4.8]

11. Powerhouses (Utility) continued to be the largest coal receiver. This sector received 394.529 MT (68.91%) in 2013-14 against 387.766 MT (68.37%) in 2012-13 of total despatches. Cement sector received 11.936 MT in 2013-14 against 13.113 MT in 2012-13. Despatch to Steel Sector in 2013-14 was 16.175 MT against 16.145 MT in 2012-13. [Ref table 4.18]
12. During the year 2013-14 despatch of raw coal by rail by external was 281.562 MT (49.21%) and by road was 143.74 MT (25.12%). [Ref Table: 4.15]

(C) Pit Head Closing Stock

1. Pit-head Closing Stock of raw coal, in 2013-14, was 55.514 MT against 63.049 MT in 2012-13. The same for lignite was 1.860 MT in 2013-14 against 1.493 MT in 2012-13. [Ref Table 5.1]
2. Pit-head closing stock of coking coal was 6.412 MT in 2013-14 against 8.036 MT in 2012-13.[Ref Table 5.2]. Pit-head closing stock of non-coking coal was 49.102 MT in 2013-14 against 55.013 MT in 2012-13. Out of total closing stock of 55.514 MT in 2013-14, Public Sector accounted for 54.534 MT. [Ref Table 5.6]

(D) Import and Export

1. During the year 2013-14 total import of coal was 166.557 MT compared to 145.785 MT in 2012-13. Import of coking coal was 36.872 MT in 2013-14 whereas it was 35.557 MT in 2012-13 resulting into an increase of 3.69 % over 2012-13. Import of Non-coking coal was 129.985 MT in 2013-14 against 110.228 MT in 2012-13, an increase of 17.92 % over 2012-13. [Ref table 7.1]
2. Main exporter of coal to India was Indonesia followed by Australia and South Africa. [Ref Table: 7.3]
3. Coal was mainly imported through Paradip and Krishnapatnam ports. [Ref table 7.5] .
4. Export of coal during 2013-14 was 2.188 MT against 2012-13 was 2.443 MT. [Ref Table 7.4]. Coal is mainly exported to Bangladesh and Nepal.
5. Main ports for coal exports are Borsorah and Chasuapara [Ref Table 7.6].

(E) Captive Coal block

1. In the year 2013-14, the total production of raw coal from captive coal blocks in India increased by 6.6 % (from 37.04 MT in 2012-13 to 39.49 MT in 2013-14) whereas the corresponding decrease in the production of captive lignite blocks was 12.69 % (from 20.230 MT in 2012-13 to 17.662 MT in 2013-14). [Ref Table 9.4]
2. During 2013-14, 26.81 MT coal produced from coal blocks allocated for Power Sector over 25.59 MT coal produced in 2012-13. [Ref table 9.4]
3. Coal Blocks allocated for Steel sector contributes 11.64 MT coal during 2013-14 over 10.72 MT coal for 2012-13. [Ref Table 9.4]

(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
2009-10	Provisional	44.256	487.806	532.062	34.071	42.627	470.592	513.219	34.431
	Final	44.413	487.629	532.042	34.071	42.469	471.323	513.792	34.430
	Change (F-P)	0.35%	-0.04%	0.00%	0.00%	-0.37%	0.16%	0.11%	0.00%
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%
N.B : F=Final , P=Provisional,									

(G) Geological Coal Reserve

As per GSI present updated geological resources of coal in India as on 01.04.2014 is 3,01,564.450 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 coking and non-coking coal reserves of the country are 34069.850 Million Tonnes (Prime, Medium and Semi-coking) and 267494.600 Million Tonnes respectively.

Total coal extracted since 1950 up to 2013-14 is around 12535.544 Million Tonnes.

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

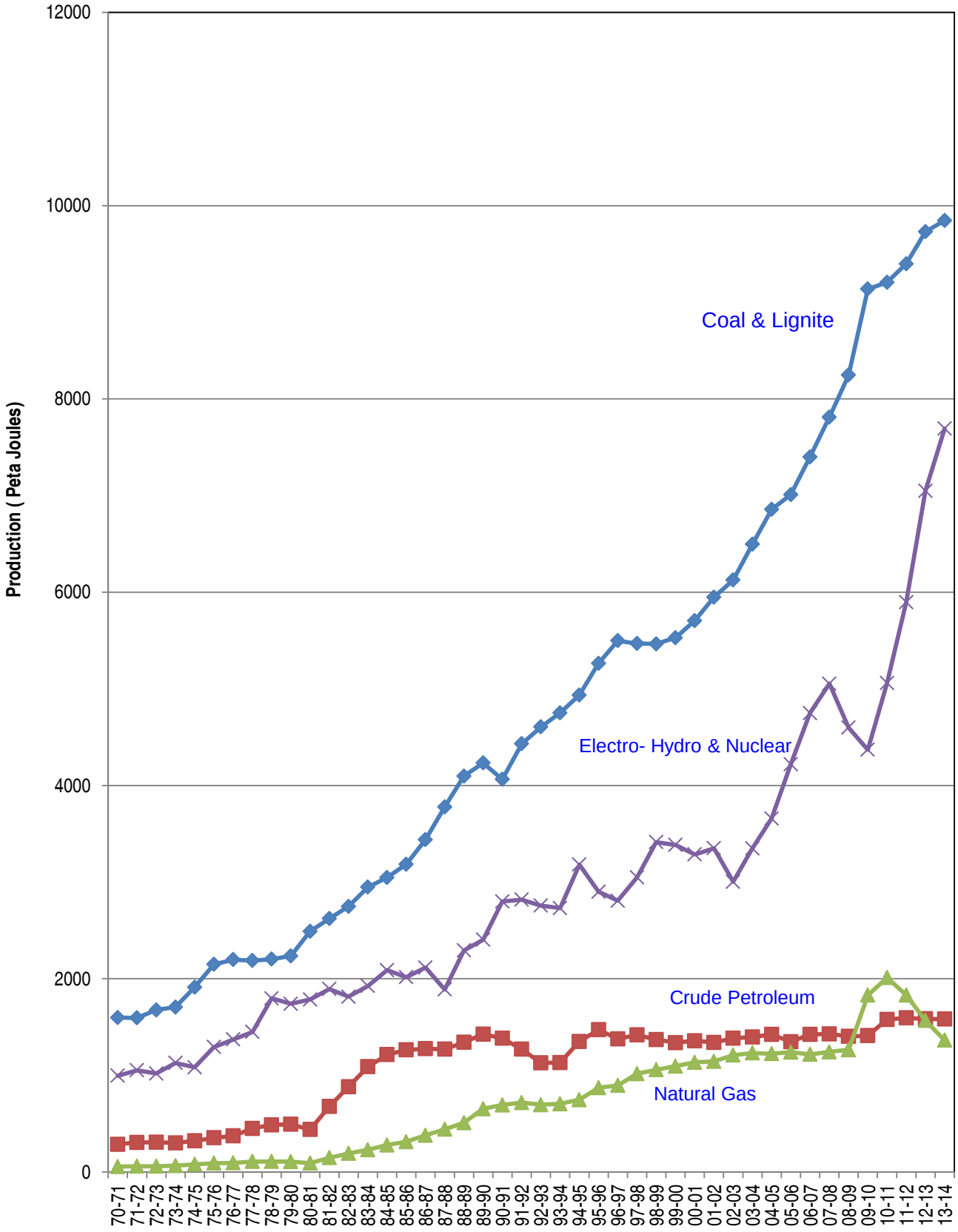


Table 1.1: INDIAN ECONOMY - SELECTED INDICATORS

Sl. No.	Indicator	Unit/base	2009-10	2010-11	2011-12	2012-13	2013-14
	1	2	4	5	6	7	8
1.	Geographical Area	M.Sq.Km.	3.29	3.29	3.29	3.29	3.29
2.	Population	Million	1170	1186	1222	1262	1270
3.	Gross Domestic Product at factor cost :						
	(i) At current prices	Rs.Billion	64573R	71574Q	82800	93881	104730
	(ii) At constant prices	"	60915R	48860	52220	54821	57420
4.	Net National Income at factor cost :						
	(i) At current prices	Rs.Billion	57615R	63250	73289	82559	91716
	(ii) At constant prices	"	53959R	42699	45682	47287	49202
5.	Per Capita Net National Product :						
	(i) At current prices	Rupees	46117R	53331Q	60972	67839	74380
6.	Foreign Exchange Reserves						
	(i) Gold	US $ Million	17986	22972	28128	293360	20978
	(ii) SDR	Mn. Of SDR	5006	4569	4449	4342	4458
	(iii) Foreign Exchange	US $ Million	254685	274330	259741	260415	276406
7.	Foreign Trade :						
	(i) Import	Rs.Billion	13564.7	16834.67	20559.19	26691.62	30232.73
	(ii) Export	"	8451.25	11426.49	12747.75	16343.19	20543.68
	(iii) Balance of Trade	"	-5113.44	-5408.18	-7811.44	-10348.43	-96890.45
8.	Index of Production :						
	(i) Industrial	2004-05=100	152.9	165.5	170.4	169.6	169.6
9.	Wholesale Price Index :	2004-05=100	131.0	143.0	156.0	168.0	172.7
10.	Consumer Price Index:						
	(i) Industrial Workers #	2001=100	163	180	195	215	230
	(ii) Agricultural Labourers	1986-87=100	513	564	611	672	725
	(iii) Urban non-manual workers	1984-85=100	634	-	-	-	-
11.	Fuel (gross)						
	Coal	Mn.Tonne	532.042	532.694	539.950	556.402	565.765
	Lignite	"	34.071	37.733	42.332	46.453	44.271
	Natural Gas	Bn.Cub.Mtr.	47.51	52.221	47.539	40.680	35.400
	Crude Oil	Mn.Tonne	33.691	37.712	38.090	37.860	37.776
	Petroleum Products(Incl RBF)	"	163.505	164.85	170.15	182.316	220.756
12.	Electricity Generated (Gr.) (i) Utilities						
	Hydel	B.KWH	106.7	114.3	130.5	114.0	135.0
	Thermal	"	677.0	665.0	709.0	761.0	792.0
	Nuclear	"	19.0	26.3	32.0	33.0	34.0
	Total	"	802.7	805.5	871.5	908.0	961.0
	(ii) Non-utilities	"	106.0	120.9	134.0	148.0	169.0
	Grand Total	"	908.7	926.4	1005.5	1056.0	1130.0

: calender year basis, Q : Quick Estimates.

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

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

Sl. No.	Item	Unit	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
	1	2	4	8	6	7	8	8
1	**Reserves (Proved)**							
	(i) Coking Coal	Mn.Tonne	17545	17,669	17,669	17,933	18,365	18,399
	(ii) Non Coking	"	88175	92,129	96,333	1,00,211	1,04,816	1,07,509
	(iii) Lignite	"	5363	6146	6146	6181	6181	6181
2	**Consumption**							
	(i) Coal	Mn.Tonne	549.567	620.389	589.874	638.923	710.433	739.342
	(ii) Lignite	"	31.846	33.733	37.688	41.883	46.313	43.897
	(iii) Coal Products*	"	42.878	44.441	42.069	43.865	43.867	43.554
3	**Production :**							
	(i) Coal	Mn.Tonne	492.757	532.042	532.694	539.950	556.402	565.765
	(ii) Lignite	"	32.421	34.071	37.733	42.332	46.453	44.271
	(iii) Coal Products*	"	41.908	41.964	40.244	39.241	41.723	43.758
4	**Imports**							
	(a) Qty : Coal	Mn.Tonne	59.003	73.255	68.918	102.853	145.785	168.439
	Coal Products	"	1.881	2.355	1.490	2.365	3.081	4.193
	Total (a)	"	60.884	75.610	70.408	105.218	148.866	172.632
	(b) Value: Coal	Rs.Million	413408	391800	415496	788376	868455	932929
	Coal Products	"	46051	33311	31204	47585	56919	68343
	Total (b)	"	459459	425111	446699	835961	925374	1001272
5	**Exports**							
	(a) Qty : Coal	Mn.Tonne	1.655	2.454	4.409	2.032	2.443	2.152
	Coal Products	"	1.338	0.178	0.650	0.613	1.201	0.173
	Total (a)		2.994	2.632	5.059	2.645	3.644	2.325
	(b) Value: Coal	Rs.Million	3,485	5045	12641	5900	8651	10187
	CoalProducts	"	7,246	2264	9912	11525	6017	1504
	Total (b)		10,731	7309	22554	17425	14668	11691
6	Unit Value of coal imports (gr.)	Rs./Tonne	7007	5348	6029	7665	5957	5539
7	India's Total Exports	Rs.Million	8407551	8455336	11426489.7	13970200	16343188	18736494
8	India's Total Imports	Rs.Million	13744356	13637355	16834669.6	22475600	26691620	26976116
9	(i) Coal imports as percentage of India's total import	%	3.3	3.1	2.7	3.7	3.5	3.7
	(ii) Coal exports as percentage of India's total export	%	0.1	0.1	0.2	0.1	0.1	0.1

coke produced from washeries owned by collieries and integated 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)
70-71	76340	1598	6822	286	1445	56	27665	996	2936
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	33691	1411	47496	1830	125680	4370	16747
10-11	570427	9207	37712	1579	52221	2012	140523	5059	17856
11-12	582282	9398	38090	1595	47539	1831	163797	5897	18721
12-13	602855	9730	37860	1585	40680	1567	195801	7049	19931
13-14	610036	9846	37776	1582	35400	1364	213666	7692	20483

* 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

TABLE-1.4: TOTAL PRIMARY SUPPLY (TPS) OF COAL & LIGNITE : 2004-05 to 2013-14 (Mill 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)
2004-05	Coal	382.615	28.950	1.374	27.576	21.291	23.969	-2.678	407.513
	Lignite	30.411			0.000	0.212	0.536	-0.324	30.087
	Total	413.026	28.950	1.374	27.576	21.503	24.505	-3.002	437.600
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

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

Section II

Resources & Exploration

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

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

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

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

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

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

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

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

2.4 **Coal Reserves**: Detailed data on Coal resources, as on 1st April 2014, 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 2014, in situ geological resources of coal in India up to a depth of 1200 meters is 301.564 Billion Tonnes (BT) which includes proved, indicated and inferred resources. Out of the total geological resources, 95.43% of the geological resources are accounted by six states, namely, Jharkhand (26.77%), Orissa (24.89%), Chhattisgarh (17.42%), West Bengal (10.39%), Madhya Pradesh (8.51%) and Andhra Pradesh (7.45%).

2.4.2 Out of the total resource of 301.564 BT as on 1st April, 2014, the share of proved, indicated and inferred resources are 125.909 BT (41.75%), 142.506 BT (47.26%) and 33.149 BT (10.99%).

2.4.3 In the total resources, the share of Prime Coking, Medium Coking, Blendable / Semi Coking and Non Coking (Including High Sulphur) are 1.76 %, 8.97%, 0.57% and 88.70%. It is to be noted that the increase in the total resource from 2012 to 2013 has been noticed mainly in the case of Non coking coal.

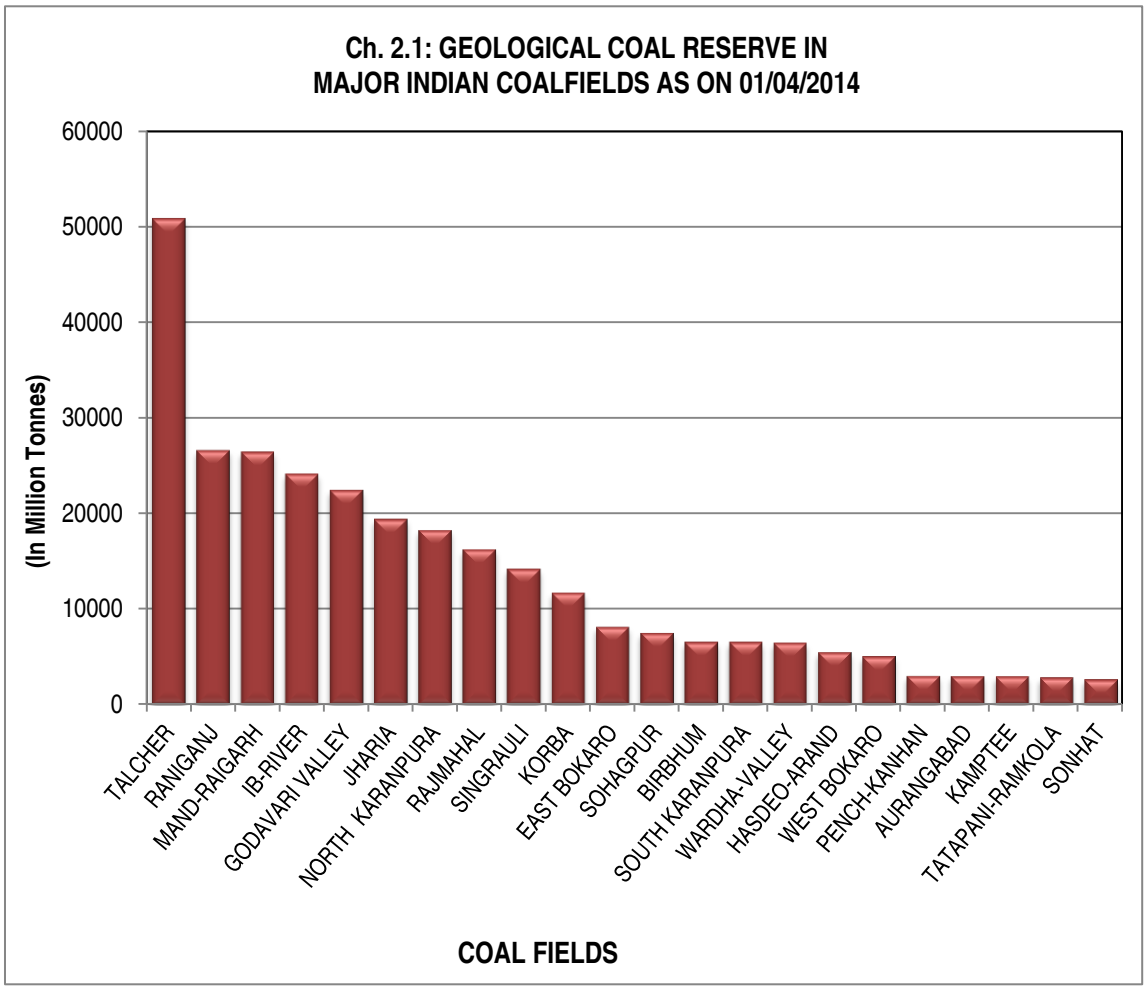
2.5 **Lignite Reserves:** Neyveli Lignite Corporation (NLC) programmes, coordinates and reviews the regional exploration work concerning lignite resources. Detailed data on lignite resources are available in Table 2.6 & Table 2.7.

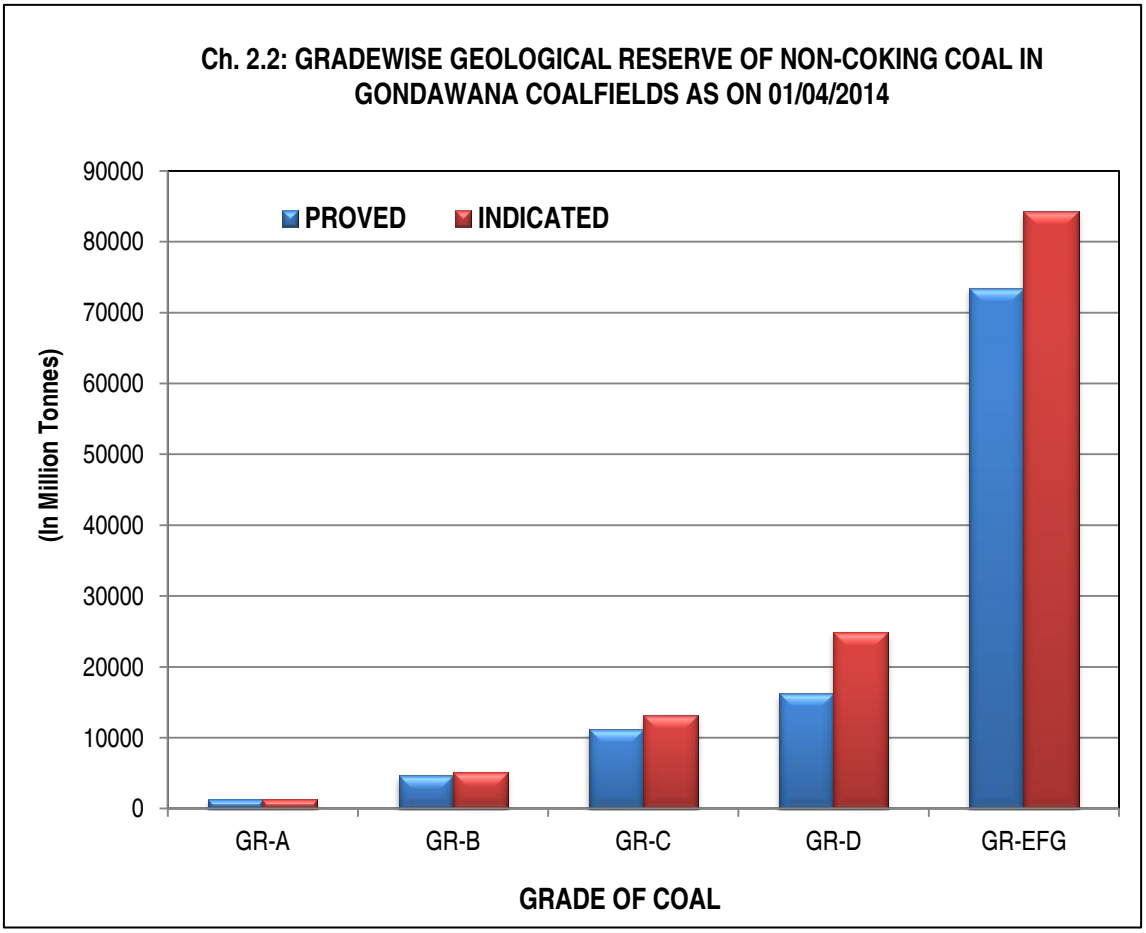
2.5.1 Total lignite resources in the country as on 1st April 2014 was 43.247 BT which includes proved, indicated and inferred resources. In the total lignite resources, three major states, namely, Tamil Nadu (79.42%), Rajasthan (13.23%) and Gujarat (6.29%) accounted for 98.94% of the resources.

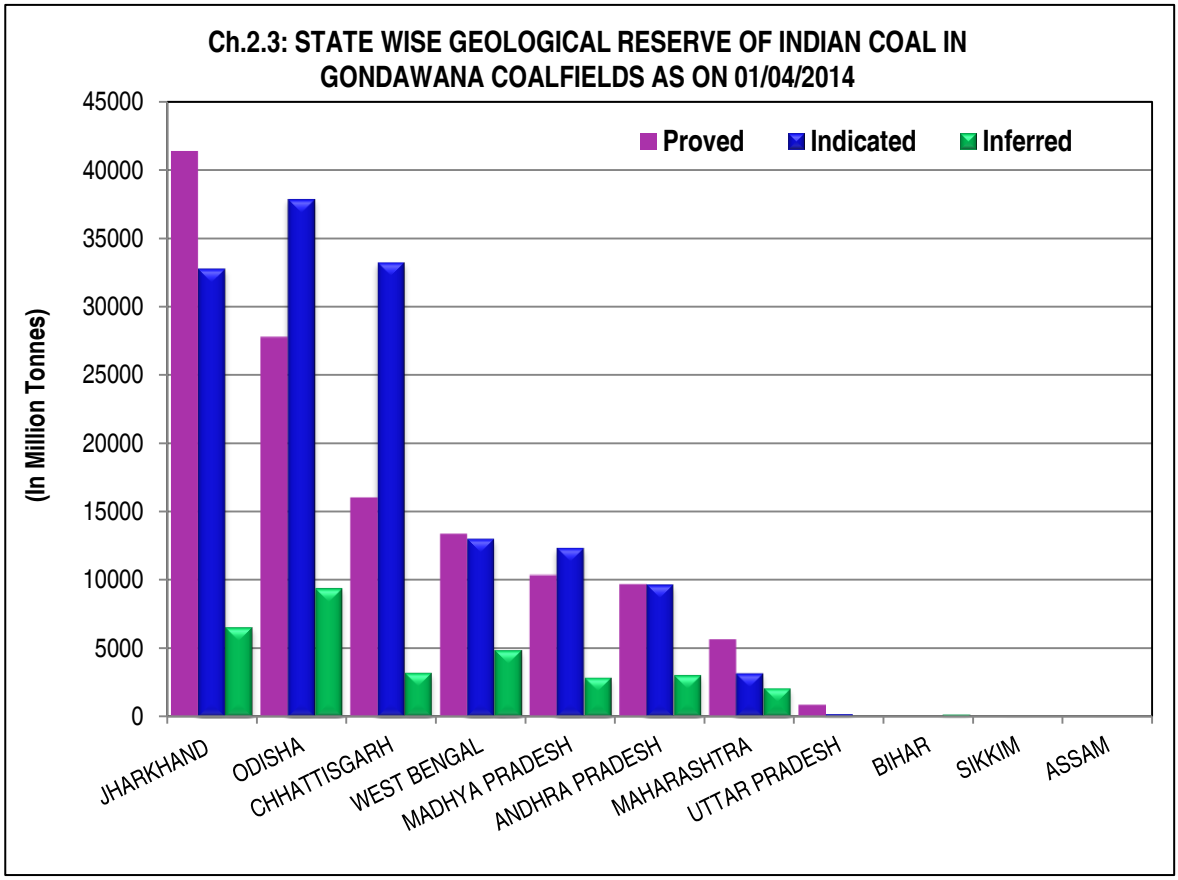
2.5.2 Information on agency wise and Coal Company command area wise promotional drilling and detailed drilling achievement during the IXth, Xth and XIth plan period are reported in Tables 2.8 and Table 2.9. While the discussion above is based on data as on 01.04.2013, Reserve as on 01.04.2014 have been presented in the tables attached here.

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 01/04/2014
(In Million Tonnes)
60000
50000
40000
30000
20000
10000
0
TALCHER
RANIGANJ
MAND-RAIGARH
IB-RIVER
GODAVARI VALLEY
JHARIA
NORTH KARANPURA
RAJMAHAL
SINGRAULI
KORBA
EAST BOKARO
SOHAGPUR
BIRBHUM
SOUTH KARANPURA
WARDHA-VALLEY
HASDEO-ARAND
WEST BOKARO
PENCH-KANHAN
AURANGABAD
KAMPTEE
TATAPANI-RAMKOLA
SONHAT
COAL FIELDS


Ch. 2.2: GRADEWISE GEOLOGICAL RESERVE OF NON-COKING COAL IN
GONDAWANA COALFIELDS AS ON 01/04/2014
(In Million Tonnes)
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
PROVED
INDICATED
GR-A
GR-B
GR-C
GR-D
GR-EFG
GRADE OF COAL


Ch.2.3: STATE WISE GEOLOGICAL RESERVE OF INDIAN COAL IN GONDAWANA COALFIELDS AS ON 01/04/2014
(In Million Tonnes)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
Proved
Indicated
Inferred
JHARKHAND
ODISHA
CHHATTISGARH
WEST BENGAL
MADHYA PRADESH
ANDHRA PRADESH
MAHARASHTRA
UTTAR PRADESH
BIHAR
SIKKIM
ASSAM

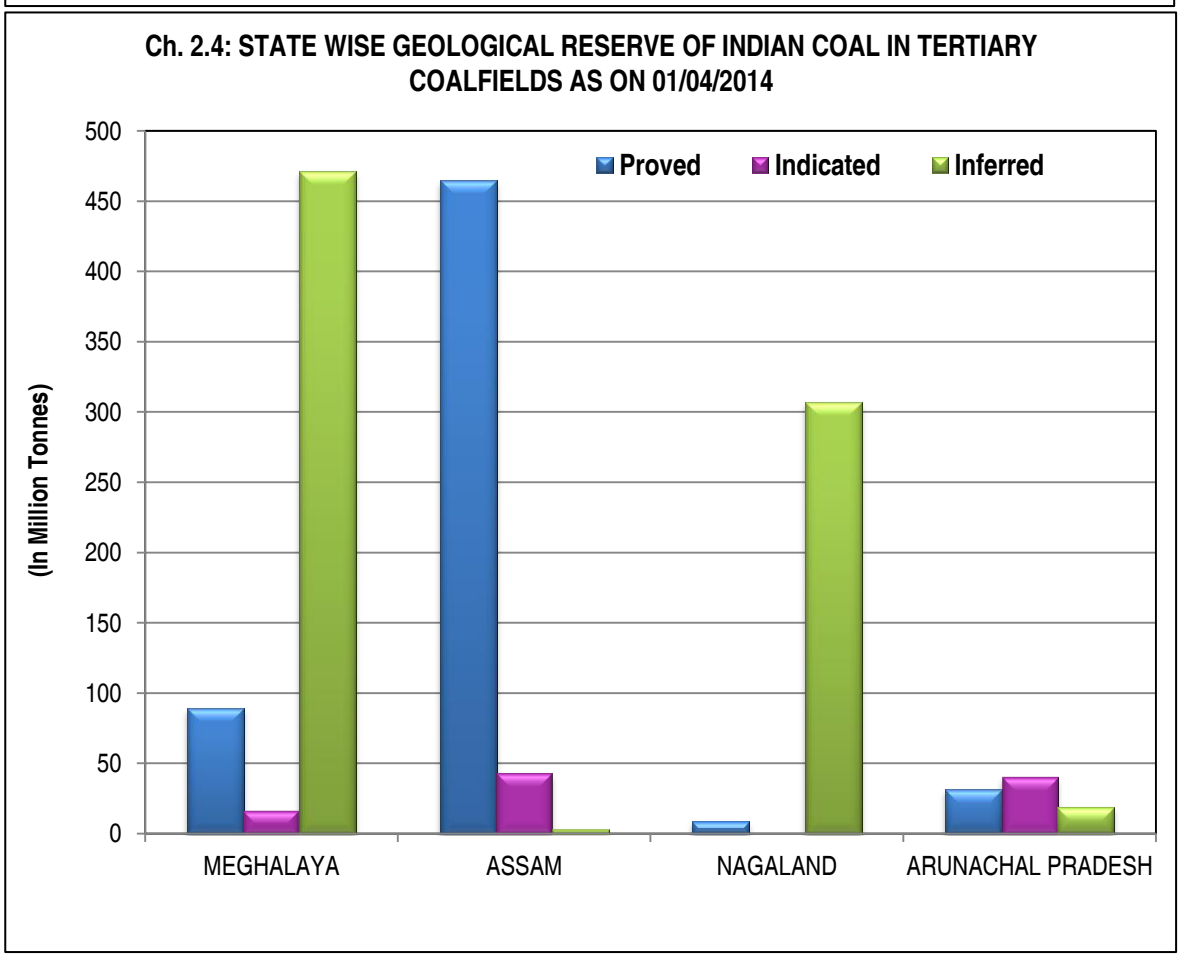
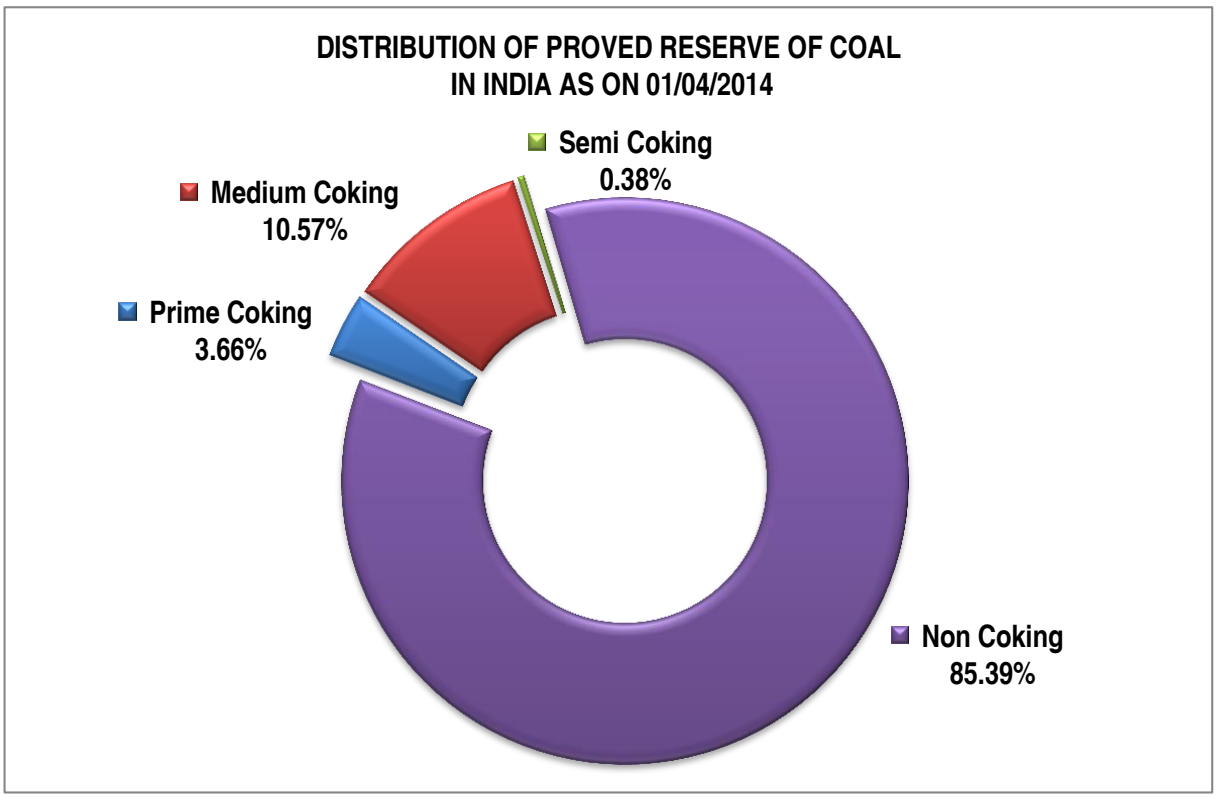

Ch. 2.4: STATE WISE GEOLOGICAL RESERVE OF INDIAN COAL IN TERTIARY COALFIELDS AS ON 01/04/2014
(In Million Tonnes)
500
450
400
350
300
250
200
150
100
50
0
Proved
Indicated
Inferred
MEGHALAYA
ASSAM
NAGALAND
ARUNACHAL PRADESH

TABLE - 2.1: INVENTORY OF GEOLOGICAL RESERVE OF COAL BY TYPE AS ON 1st APRIL 2012, 2013 & 2014

Type of Coal	As on	Reserve (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	***(6)***
Prime Coking	01/04/2012	4,614	699	0	***5,313***
	01/04/2013	4,614	699	0	***5,313***
	01/04/2014	4,614	699	0	***5,313***
Medium Coking	01/04/2012	12,837	11,951	1,880	***26,669***
	01/04/2013	13,269	11,893	1,879	***27,041***
	01/04/2014	13,303	11,867	1,879	***27,049***
Blendable / Semi Coking	01/04/2012	482	1,003	222	***1,707***
	01/04/2013	482	1,003	222	***1,707***
	01/04/2014	482	1,004	222	***1,708***
Non Coking (Including	01/04/2012	1,00,211	1,28,515	31,081	***2,59,807***
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***
Total	***01/04/2012 ****	***1,18,145***	***1,42,169***	***33,182***	***2,93,497***
	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***



**** Including Sikkim***

Source: Geological Survey of India

TABLE - 2.2: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2012, 2013 & 2014

(Quantity in Million Tonnes)

State	As on	Resources			
		Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	***(6)***
GONDAWANA COALFIELDS					
ASSAM	1/4/2012	0	3	0	***3***
	1/4/2013	0	3	0	***3***
	1/4/2014	0	4	0	***4***
ANDHRA PRADESH	1/4/2012	9,567	9,554	3,034	***22,155***
	1/4/2013	9,604	9,554	3,049	***22,207***
	1/4/2014	9,729	9,670	3,068	***22,468***
JHARKHAND	1/4/2012	40,163	33,609	6,584	***80,356***
	1/4/2013	41,155	32,986	6,559	***80,701***
	1/4/2014	41,377	32,780	6,559	***80,716***
BIHAR	1/4/2012	0	0	160	***160***
	1/4/2013	0	0	160	***160***
	1/4/2014	0	0	160	***160***
MADHYA PRADESH	1/4/2012	9,309	12,291	2,777	***24,376***
	1/4/2013	9,818	12,355	2,889	***25,061***
	1/4/2014	10,411	12,382	2,879	***25,673***
CHHATTISGARH	1/4/2012	13,988	33,448	3,410	***50,846***
	1/4/2013	14,779	34,107	3,283	***52,169***
	1/4/2014	16,052	33,253	3,228	***52,533***
MAHARASHTRA	1/4/2012	5,667	3,104	2,110	***10,882***
	1/4/2013	5,667	3,186	2,110	***10,964***
	1/4/2014	5,667	3,186	2,110	***10,964***
ODISHA	1/4/2012	25,548	36,466	9,434	***71,447***
	1/4/2013	27,284	37,110	9,316	***73,710***
	1/4/2014	27,791	37,873	9,408	***75,073***
SIKKIM	1/4/2012	0	58	43	***101***
	1/4/2013	0	58	43	***101***
	1/4/2014	0	58	43	***101***
UTTAR PRADESH	1/4/2012	884	178	0	***1,062***
	1/4/2013	884	178	0	***1,062***
	1/4/2014	884	178	0	***1,062***
WEST BENGAL	1/4/2012	12,425	13,358	4,832	***30,616***
	1/4/2013	13,396	12,995	4,892	***31,283***
	1/4/2014	13,403	13,022	4,893	***31,318***
GONDAWANA	***1/4/2012***	***1,17,551***	***1,42,070***	***32,384***	***2,92,005***
	1/4/2013	***1,22,588***	***1,42,532***	***32,301***	***2,97,421***
	1/4/2014	***1,25,315***	***1,42,407***	***32,350***	***3,00,072***

State	As on	Resources			
		Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	***(6)***
TERTIARY COAL FIELDS					
ARUNACHAL PRADESH	1/4/2012	31	40	19	***90***
	1/4/2013	31	40	19	***90***
	1/4/2014	31	40	19	***90***
ASSAM	1/4/2012	465	43	3	***511***
	1/4/2013	465	43	3	***511***
	1/4/2014	465	43	3	***511***
MEGHALAYA	1/4/2012	89	17	471	***576***
	1/4/2013	89	17	471	***576***
	1/4/2014	89	17	471	***576***
NAGALAND	1/4/2012	9	0	307	***315***
	1/4/2013	9	0	307	***315***
	1/4/2014	9	0	307	***315***
TERTIARY Coalfields	1/4/2012	594	99	799	***1,493***
	1/4/2013	594	99	799	***1,493***
	1/4/2014	594	99	799	***1,493***
INDIA	***1/4/2012***	***1,18,145***	***1,42,169***	***33,183***	***2,93,497***
	1/4/2013	***1,23,182***	***1,42,632***	***33,100***	***2,98,914***
	1/4/2014	***1,25,909***	***1,42,506***	***33,149***	***3,01,564***

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

Source: Geological Survey of India

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

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2014)

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	9937.46	1691.81	267.80	**11897.07**
		Non Coking	300-600	2306.22	3331.15	2099.81	**7737.18**
		Non Coking	600-1200	306.16	1845.26	1477.57	**3628.99**
		TOTAL		***13288.31***	***7300.71***	***4013.41***	***24602.43***
	BARJORA	Non Coking	0-300	114.27	0.00	0.00	**114.27**
	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***	***6586.01***
	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***	***12664.11***	***12589.66***	***4724.75***	***29978.52***
WEST BENGAL	***TOTAL***	***ALL***	***0-1200***	***13402.58***	***13022.15***	***4892.98***	***31317.71***
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***

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2014)

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	2987.57	1116.32	28.66	**4132.55**
		Medium Coking	300-600	458.94	178.36	5.00	**642.30**
		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		***3720.89***	***1308.71***	***33.66***	***5063.26***
	RAMGARH	Medium Coking	0-300	531.52	37.55	0.00	**569.07**
		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		***710.59***	***495.30***	***58.05***	***1263.94***
	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***	***18278.99***
	SOUTH KARANPURA	Medium Coking	300-600	0.00	248.04	32.83	**280.87**
		Medium Coking	600-1200	0.00	265.36	263.40	**528.76**
		Non Coking	0-300	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***	***6577.97***
	AURANGABAD	Non Coking	0-300	352.05	1241.22	43.07	**1636.34**
		Non Coking	300-600	0.00	867.01	423.07	**1290.08**
		Non Coking	600-1200	0.00	33.42	37.27	**70.69**
		TOTAL		***352.05***	***2141.65***	***503.41***	***2997.11***
	HUTAR	Non Coking	0-300	190.79	14.22	32.48	**237.49**
		Non Coking	300-600	0.00	12.33	0.00	**12.33**
		TOTAL		***190.79***	***26.55***	***32.48***	***249.82***
	DALTONGUNJ	Non Coking	0-300	83.86	60.10	0.00	**143.96**
		TOTAL		***83.86***	***60.10***	***0.00***	***143.96***
	DEOGARH	Non Coking	0-300	326.24	73.60	0.00	**399.84**
		TOTAL		***326.24***	***73.60***	***0.00***	***399.84***
	RAJMAHAL	Non Coking	0-300	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***	***12398.11***	***10306.67***	***1606.64***	***24311.42***
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***	***41377.04***	***32779.60***	***6559.47***	***80716.11***

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2014)

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***	***3036.57***
	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	47.39	0.00	**47.39**
	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**
		Medium Coking Total		**246.66**	**1160.10**	**114.25**	**1521.01**
		Non Coking	0-300	1503.63	2736.34	60.68	**4300.65**
		Non Coking	300-600	1.27	1537.16	18.19	**1556.62**
		Non Coking	600-1200	0.00	31.27	0.00	**31.27**
		Non Coking Total		**1504.90**	**4304.77**	**78.87**	**5888.54**
		TOTAL		***1751.56***	***5464.87***	***193.12***	***7409.55***
	SINGRAULI	Non Coking	0-300	5336.04	2213.07	992.22	**8541.33**
		Non Coking	300-600	1196.64	3441.28	823.87	**5461.79**
		Non Coking	600-1200	0.00	141.26	77.16	**218.42**
		TOTAL		***6532.68***	***5795.61***	***1893.25***	***14221.54***
MADHYA PRADESH	***TOTAL***	***Medium Coking***	***0-1200***	***354.49***	***1560.11***	***272.83***	***2187.43***
MADHYA PRADESH	***TOTAL***	***Non Coking***	***0-1200***	***10056.94***	***10822.23***	***2606.50***	***23485.67***
MADHYA PRADESH	***TOTAL***	***ALL***	***0-1200***	***10411.43***	***12382.34***	***2879.33***	***25673.10***

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2014)

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	1079.87	534.83	0.00	**1614.70**
	EAST BISRAMPUR	Non Coking	0-300	0.00	164.82	0.00	**164.82**
	LAKHANPUR	Non Coking	0-300	455.88	3.35	0.00	**459.23**
	PANCHBAHINI	Non Coking	0-300	0.00	11.00	0.00	**11.00**
	HASDEO-ARAND	Non Coking	0-300	1599.72	3599.34	256.37	**5455.43**
		Non Coking	300-600	0.00	66.06	7.33	**73.39**
		TOTAL		***1599.72***	***3665.40***	***263.70***	***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	5220.86	11699.31	1925.24	**18845.41**
		Non Coking	300-600	998.90	5388.94	628.68	**7016.52**
		Non Coking	600-1200	0.00	610.88	0.00	**610.88**
		TOTAL		***6219.76***	***17699.13***	***2553.92***	***26472.81***
	TATAPANI-RAMKOLA	Non Coking	0-300	50.43	1094.17	24.85	**1169.45**
		Non Coking	300-600	0.00	1190.84	184.83	**1375.67**
		Non Coking	600-1200	0.00	302.67	0.00	**302.67**
		TOTAL		***50.43***	***2587.68***	***209.68***	***2847.79***
CHHATTISGARH	***TOTAL***	***Semi Coking***	***0-1200***	***70.77***	***99.25***	***0.00***	***170.02***
CHHATTISGARH	***TOTAL***	***Non Coking***	***0-1200***	***15981.24***	***33153.45***	***3228.21***	***52362.90***
CHHATTISGARH	***TOTAL***	***ALL***	***0-1200***	***16052.01***	***33252.70***	***3228.21***	***52532.92***

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2014)

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	3570.32	745.28	298.17	**4613.77**
		Non Coking	300-600	34.53	738.87	1125.90	**1899.30**
		Non Coking	600-1200	0.00	13.37	0.00	**13.37**
		TOTAL		***3604.85***	***1497.52***	***1424.07***	***6526.44***
	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	379.44	298.20	0.00	**677.64**
		Non Coking	300-600	88.64	168.99	0.00	**257.63**
		Non Coking	600-1200	0.00	16.76	0.00	**16.76**
		TOTAL		***468.08***	***483.95***	***0.00***	***952.03***
	BOKHARA	Non Coking	0-300	10.00	0.00	20.00	**30.00**
MAHARASHTRA	***TOTAL***	***Non Coking***	***0-1200***	***5667.48***	***3186.35***	***2110.21***	**10964.04**
MAHARASHTRA	***TOTAL***	***ALL***	***0-1200***	***5667.48***	***3186.35***	***2110.21***	***10964.04***
ODISHA	IB-RIVER	Non Coking	0-300	8748.69	5653.29	549.56	**14951.54**
		Non Coking	300-600	385.83	4242.74	4587.67	**9216.24**
		Non Coking	600-1200	0.00	27.52	2.69	**30.21**
		TOTAL		***9134.52***	***9923.55***	***5139.92***	***24197.99***
	TALCHER	Non Coking	0-300	17373.78	12294.40	2719.90	**32388.08**
		Non Coking	300-600	1283.00	14074.47	1081.93	**16439.40**
		Non Coking	600-1200	0.00	1580.82	466.33	**2047.15**
		TOTAL		***18656.78***	***27949.69***	***4268.16***	***50874.63***
ODISHA	***TOTAL***	***Non Coking***	***0-1200***	***27791.30***	***37873.24***	***9408.08***	**75072.62**
ODISHA	***TOTAL***	***ALL***	***0-1200***	***27791.30***	***37873.24***	***9408.08***	***75072.62***

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2014)

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	Non Coking	0-300	6133.23	3580.96	152.24	**9866.43**
	VALLEY	Non Coking	300-600	3538.00	4653.24	638.50	**8829.74**
		Non Coking	600-1200	58.02	1436.23	2277.73	**3771.98**
		TOTAL	***0-1200***	***9729.25***	***9670.43***	***3068.47***	***22468.15***
ANDHRA PRADESH	***TOTAL***	***Non Coking***	***0-1200***	***9729.25***	***9670.43***	***3068.47***	**22468.15**
ANDHRA PRADESH	***TOTAL***	***ALL***	***0-1200***	***9729.25***	***9670.43***	***3068.47***	***22468.15***
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**
		Semi-Coking Total	**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**
		Non Coking Total	**0-1200**	**0.00**	**3.74**	**0.00**	**3.74**
		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**

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2014)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	**Total**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	**(8)**
MEGHALAYA	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***	***13303.02***	***11866.78***	***1879.47***	***27049.27***
INDIA	***TOTAL***	***Semi Coking***	***0-1200***	***482.16***	***1003.68***	***221.68***	***1707.52***
INDIA	***TOTAL***	***Non Coking***	***0-1200***	***106915.60***	***128837.78***	***30248.58***	***266001.96***
INDIA	***TOTAL***	***High Sulphur***	***0-1200***	***593.81***	***99.34***	***799.49***	***1492.64***
INDIA	***TOTAL***		***0-1200***	***125908.94***	***142506.29***	***33149.22***	***301564.45***
INDIA	***Total for Tertiary Coalfields***		***0-1200***	***593.81***	***99.34***	***799.49***	***1492.64***
INDIA	***Total for Gondwana Coalfields****		***0-1200***	***125315.13***	***142406.95***	***32349.73***	***300071.81***
INDIA	***GRAND TOTAL***		***0-1200***	***125908.94***	***142506.29***	***33149.22***	***301564.45***

** Including Sikkim*

TABLE 2.4: COAL RESERVE BY TYPE OF COAL AND DEPTH AS ON (as on 01-04-2014)

State	Field	Type of Coal	Depth (Metre)	Reserve (Quantity in Million Tonnes)			
				Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	(6)	(7)	***(8)***
INDIA	*TOTAL (Jharia)*	Prime Coking	0-600	4039.41	4.01	0.00	***4043.42***
INDIA	*TOTAL (Jharia)*	Prime Coking	600-1200	574.94	694.70	0.00	***1269.64***
INDIA	*TOTAL (Other than Jharia)*	Medium Coking	0-300	7297.50	4059.26	65.79	***11422.55***
INDIA	*TOTAL (Other than Jharia)*	Medium Coking	300-600	1114.24	4262.63	742.50	***6119.37***
INDIA	*TOTAL (Jharia)*	Medium Coking	0-600	4064.18	2.82	0.00	***4067.00***
INDIA	*TOTAL*	Medium Coking	600-1200	827.10	3542.07	1071.18	***5440.35***
INDIA	*TOTAL*	Semi Coking	0-300	339.86	125.97	0.55	***466.38***
INDIA	*TOTAL*	Semi Coking	300-600	109.51	572.25	76.38	***758.14***
INDIA	*TOTAL*	Semi Coking	600-1200	32.79	305.07	144.75	***482.61***
INDIA	*TOTAL*	High Sulphur	0-300	407.96	83.19	799.49	***1290.64***
INDIA	*TOTAL*	High Sulphur	300-600	185.85	16.15	0.00	***202.00***
INDIA	*TOTAL (Other than Jharia)*	Non Coking	0-300	88227.80	65219.31	9663.64	***163110.75***
INDIA	*TOTAL (Other than Jharia)*	Non Coking	300-600	12168.23	53824.27	15663.00	***81655.50***
INDIA	*TOTAL (Jharia)*	Non Coking	0-600	5657.14	444.86	0.00	***6102.00***
INDIA	*TOTAL*	Non Coking	600-1200	862.43	9349.34	4921.94	***15133.71***
INDIA	***TOTAL***	***Grand Total***	***0-1200***	***125908.94***	***142505.90***	***33149.22***	***301564.06***

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 01-04-2014)

(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	3478.12	2834.08	2006.77	**9937.46**	27.68	188.67	483.29	459.78	532.39	**1691.81**	267.80	**11897.07**
	300-600	55.88	601.41	665.58	483.33	500.02	**2306.22**	56.08	688.48	1209.82	710.53	666.24	**3331.15**	2099.81	**7737.18**
	600-1200	12.62	77.56	120.46	77.27	18.25	**306.16**	152.85	367.36	526.17	416.58	382.30	**1845.26**	1477.57	**3628.99**
	0-1200	138.17	2227.79	4264.16	3394.68	2525.04	**12549.84**	236.61	1244.51	2219.28	1586.89	1580.93	**6868.22**	3845.18	**23263.24**
Barjora	0-300	0.00	0.00	0.00	0.00	114.27	**114.27**	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	**114.27**
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		**138.17**	**2227.79**	**4264.16**	**3394.68**	**2639.31**	**12664.11**	**237.89**	**1308.21**	**3666.07**	**2891.08**	**4486.41**	**12589.66**	**4724.75**	**29978.52**
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**

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2014)

(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**	**19725.25**	**24141.24**	**45.47**	**245.19**	**1055.14**	**4629.81**	**15327.06**	**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-	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**
Kanhan	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	0.00	0.00	0.00	47.39	**47.39**	0.00	**47.39**
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**	108.63	454.95	942.67	652.71	577.38	**2736.34**	60.68	**4300.65**
	300-600	0.00	0.00	0.40	0.27	0.60	**1.27**	114.71	389.54	493.80	284.97	254.14	**1537.16**	18.19	**1556.62**
	600-1200	0.00	0.00	0.00	0.00	0.00	**0.00**	0.96	12.64	3.14	6.88	7.65	**31.27**	0.00	**31.27**
	0-1200	114.59	238.54	428.70	360.97	362.10	**1504.90**	224.30	857.13	1439.61	944.56	839.17	**4304.77**	78.87	**5888.54**
Singrauli	0-300	4.44	82.35	768.45	1169.68	3311.12	**5336.04**	42.47	217.05	735.12	547.08	671.35	**2213.07**	992.22	**8541.33**
	300-600	0.55	1.63	72.90	359.61	761.95	**1196.64**	38.76	354.99	777.04	1180.30	1090.19	**3441.28**	823.87	**5461.79**
	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**	98.37	614.67	1559.38	1752.60	1770.59	**5795.61**	1893.25	**14221.54**
Total		**193.02**	**578.04**	**1806.95**	**2445.32**	**5033.61**	**10056.94**	**353.34**	**1631.03**	**3205.31**	**2828.78**	**2803.77**	**10822.23**	**2606.50**	**23485.67**
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	267.34	165.72	222.13	326.00	**1079.87**	15.37	82.52	103.70	127.23	206.01	**534.83**	0.00	**1614.70**

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2014)

(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 Bisrampur	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	18.40	91.54	298.05	1190.37	**1599.72**	61.42	151.20	643.87	1656.43	1086.42	**3599.34**	256.37	**5455.43**
	300-600	0.00	0.00	0.00	0.00	0.00	**0.00**	8.69	28.80	12.12	14.14	2.31	**66.06**	7.33	**73.39**
	0-600	1.36	18.40	91.54	298.05	1190.37	**1599.72**	70.11	180.00	655.99	1670.57	1088.73	**3665.40**	263.70	**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	39.66	212.14	519.71	4425.08	**5220.86**	78.71	32.91	242.01	1741.18	9604.50	**11699.31**	1925.24	**18845.41**
	300-600	48.01	18.07	141.74	268.32	522.76	**998.90**	96.89	88.41	379.23	1518.71	3305.70	**5388.94**	628.68	**7016.52**
	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	72.28	57.73	353.88	788.03	4947.84	**6219.76**	176.08	121.32	703.27	3422.38	13276.08	**17699.13**	2553.92	**26472.81**
Tatapani-	0-300	1.15	1.08	2.54	3.92	41.74	**50.43**	28.55	73.59	236.84	283.62	471.57	**1094.17**	24.85	**1169.45**
Ramkola	300-600	0.00	0.00	0.00	0.00	0.00	**0.00**	52.00	55.26	226.35	286.29	570.94	**1190.84**	184.83	**1375.67**
	600-1200	0.00	0.00	0.00	0.00	0.00	**0.00**	17.73	12.42	30.74	49.79	191.99	**302.67**	0.00	**302.67**
	0-1200	1.15	1.08	2.54	3.92	41.74	**50.43**	98.28	141.27	493.93	619.70	1234.50	**2587.68**	209.68	**2847.79**
Total		**581.24**	**783.04**	**1133.91**	**1783.93**	**11699.12**	**15981.24**	**459.03**	**815.90**	**2555.72**	**7281.29**	**22041.51**	**33153.45**	**3228.21**	**52362.90**
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	1596.82	**3570.32**	0.00	24.33	46.14	322.51	352.30	**745.28**	298.17	**4613.77**
	300-600	0.00	0.00	1.59	21.17	11.77	**34.53**	0.00	46.03	104.39	202.32	386.13	**738.87**	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	1608.59	**3604.85**	0.00	70.36	150.53	535.92	740.71	**1497.52**	1424.07	**6526.44**
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-	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**
Makardhokra	300-600	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	**0.00**	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	88.14	94.31	148.78	**379.44**	0.00	9.84	77.52	110.84	100.00	**298.20**	0.00	**677.64**
	300-600	0.06	5.18	18.80	6.76	57.84	**88.64**	0.00	11.45	72.33	41.06	44.15	**168.99**	0.00	**257.63**
	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	106.94	101.07	206.62	**468.08**	0.00	26.69	158.85	153.62	144.79	**483.95**	0.00	**952.03**
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**	**801.42**	**2264.49**	**2458.90**	**5667.48**	**28.54**	**130.80**	**601.38**	**1035.96**	**1389.67**	**3186.35**	**2110.21**	**10964.04**

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-2014)
(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															
Ib-River	0-300	0.33	4.54	49.33	277.02	8417.47	**8748.69**	4.15	32.68	93.39	856.35	4666.72	**5653.29**	549.56	**14951.54**
	300-600	0.00	5.50	19.60	27.53	333.20	**385.83**	15.86	142.20	209.76	518.35	3356.57	**4242.74**	4587.67	**9216.24**
	600-1200	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.63	0.19	13.34	13.36	**27.52**	2.69	**30.21**
	0-1200	0.33	10.04	68.93	304.55	8750.67	**9134.52**	20.01	175.51	303.34	1388.04	8036.65	**9923.55**	5139.92	**24197.99**
Talcher	0-300	24.87	205.38	238.48	478.65	16426.40	**17373.78**	61.61	185.52	378.27	1410.93	10258.07	**12294.40**	2719.90	**32388.08**
	300-600	1.48	4.09	20.02	51.36	1206.05	**1283.00**	48.06	203.93	333.21	1555.79	11933.48	**14074.47**	1081.93	**16439.40**
	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**	466.33	**2047.15**
Talcher	0-1200	26.35	209.47	258.50	530.01	17632.45	**18656.78**	109.67	410.57	790.58	3087.30	23551.57	**27949.69**	4268.16	**50874.63**
Total		**26.68**	**219.51**	**327.43**	**834.56**	**26383.12**	**27791.30**	**129.68**	**586.08**	**1093.92**	**4475.34**	**31588.22**	**37873.24**	**9408.08**	**75072.62**
Andhra Pradesh															
Godavari	0-300	45.32	232.17	1231.58	1275.08	3349.08	**6133.23**	46.32	99.89	340.35	529.01	2565.39	**3580.96**	152.24	**9866.43**
	300-600	26.80	183.80	693.12	1081.14	1553.14	**3538.00**	45.37	157.70	497.04	652.18	3300.95	**4653.24**	638.50	**8829.74**
	600-1200	2.20	4.86	3.02	21.19	26.75	**58.02**	8.16	149.19	229.11	361.23	688.54	**1436.23**	2277.73	**3771.98**
	0-1200	74.32	420.83	1927.72	2377.41	4928.97	**9729.25**	99.85	406.78	1066.50	1542.42	6554.88	**9670.43**	3068.47	**22468.15**
Total		**74.32**	**420.83**	**1927.72**	**2377.41**	**4928.97**	**9729.25**	**99.85**	**406.78**	**1066.50**	**1542.42**	**6554.88**	**9670.43**	**3068.47**	**22468.15**
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	**0-300**	**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		**1323.83**	**4729.02**	**11140.96**	**16253.32**	**73468.47**	**106915.60**	**1353.80**	**5126.78**	**13248.47**	**24831.98**	**84276.75**	**128837.78**	**30248.58**	**266001.96**

Source: Geological Survey Of India

TABLE - 2.6 : STATEWISE INVENTORY OF GEOLOGICAL RESERVE OF LIGNITE AS ON 1st APRIL 2012, 2013 & 2014

State	As on	Resources (Quantiry in Million Tonnes)			
		Proved	Indicated	Inferred	***Total***
(2)	(1)	(3)	(4)	(5)	***(6)***
Gujarat	04-01-2012	1278.65	283.70	1159.70	***2722.05***
	04-01-2013	1278.65	283.70	1159.70	***2722.05***
	04-01-2014	1278.65	283.70	1159.70	***2722.05***
J & K	04-01-2012	0.00	20.25	7.30	***27.55***
	04-01-2013	0.00	20.25	7.30	***27.55***
	04-01-2014	0.00	20.25	7.30	***27.55***
Kerala	04-01-2012	0.00	0.00	9.65	***9.65***
	04-01-2013	0.00	0.00	9.65	***9.65***
	04-01-2014	0.00	0.00	9.65	***9.65***
Pondicherry	04-01-2012	0.00	405.61	11.00	***416.61***
	04-01-2013	0.00	405.61	11.00	***416.61***
	04-01-2014	0.00	405.61	11.00	***416.61***
Rajasthan	04-01-2012	1167.02	2152.59	1587.40	***4907.01***
	04-01-2013	1167.02	2671.93	1850.57	***5689.52***
	04-01-2014	1167.02	2671.93	1881.39	***5720.35***
Tamilnadu	04-01-2012	3735.23	22900.05	7242.85	***33878.13***
	04-01-2013	3735.23	22900.05	7712.43	***34347.71***
	04-01-2014	3735.23	22900.05	7712.43	***34347.71***
West Bengal	04-01-2012	0.00	0.93	0.86	***1.79***
	04-01-2013	0.00	1.13	1.64	***2.77***
	04-01-2014	0.00	1.13	1.64	***2.77***
All India	***04-01-2012***	***6180.90***	***25763.13***	***10018.76***	***41962.79***
	04-01-2013	***6180.90***	***26282.67***	***10752.29***	***43215.86***
	04-01-2014	***6180.90***	***26282.67***	***10783.11***	***43246.68***

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2014)
(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
Neyveli lignite field							
Pandicherry	Bahur	0-150	0.00	405.61	0.00	**405.61**	***405.61***
	West of Bahur	0-150	0.00	0.00	11.00	**11.00**	***11.00***
Total for Pandicherry			***0.00***	***405.61***	***11.00***	***416.61***	***416.61***
Tamil Nadu							
Cuddalore	*Bahur	0-150	0.00	168.78	0.00	**168.78**	***168.78***
	*West of Bahur	0-150	0.00	0.00	102.19	**102.19**	***102.19***
	Bhuvanagiri-Kullanchavadi	150-300	0.00	0.00	385.40	**385.40**	***385.40***
	Eastern part of Neyveli	150-300	0.00	218.65	37.68	**256.33**	
		>300	0.00	156.86	149.13	**305.99**	***562.32***
	Eastern part of NLC leasehold area	>150	0.00	0.00	55.00	**55.00**	***55.00***
	NLC Leasehold areas (Mine-I & Expansion, Mine 1A, II & Expansion,Mine III,Block B, Mine I, Mine II, Mine III and river) Devangudi & areas locked up between	0-150	2831.00	134.00	138.00	**3103.00**	
		150-300	0.00	0.00	24.00	**24.00**	***3127.00***
	Kudikadu	0-150	0.00	0.00	133.38	**133.38**	***133.38***
	Kullanchavadi	>150	0.00	0.00	175.00	**175.00**	***175.00***
	South of Vellar(Srimushnam)	0-150	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)						

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2014)
(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
Mannargudi lignite field							
Thanjavur &	Mannargudi-Central	150-300	0.00	3159.00	0.00	**3159.00**	
Thiruvarur		>300	0.00	1843.55	0.00	**1843.55**	***5002.55***
	Mannargudi-NE	150-300	0.00	275.26	0.00	**275.26**	
		>300	0.00	5867.28	0.00	**5867.28**	***6142.54***
	Mannargudi-NE extn.	>300	0.00	0.00	3057.95	**3057.95**	***3057.95***
	Mannargudi-SE	150-300	0.00	553.00	0.00	**553.00**	
		>300	0.00	5505.37	0.00	**5505.37**	***6058.37***
	Melnattam-Agraharam	150-300	0.00	44.60	65.51	**110.11**	***110.11***
Thanjavur	Mannargudi -NW	150-300	0.00	575.57	0.00	**575.57**	
		>300	0.00	421.10	0.00	**421.10**	***996.67***
	Mannargudi -SW	150-300	0.00	481.80	0.00	**481.80**	***481.80***
	Maharajapuram	150-300	0.00	23.95	0.00	**23.95**	***23.95***
	Orattanadu-Pattukottai	150-300	0.00	10.80	44.31	**55.11**	***55.11***
	Vadaseri(Orattanadu-Pattukottai)	0-150	0.00	9.37	0.00	**9.37**	
		150-300	0.00	745.83	0.00	**745.83**	***755.20***
	Madukkur-Anaikkadu	150-300	0.00	17.41	28.35	**45.76**	***45.76***
	Veppanagulam-Kasangadu	150-300	0.00	4.88	0.00	**4.88**	***4.88***
Thanjavur &	Alangudi	150-300	0.00	24.98	48.01	**72.99**	
Nagappattinam		>300	0.00	29.31	55.72	**85.03**	***158.02***
	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***	***4304.36***	***24202.34***	***24202.34***

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2014)
(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***
	Misal	>301	0.00	23.92	28.79	**52.71**	***52.71***
	Tiyanur	>302	0.00	96.63	167.30	**263.93**	***263.93***
	Bogalur East	>300	0.00	0.00	469.58	**469.58**	***469.58***
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***	***1727.22***	***1896.05***	***1896.05***
Total for Tamil Nadu			***3735.23***	***22900.05***	***7712.43***	***34347.71***	***34347.71***
Rajasthan							
Bikaner	Ambasar-Gigasar	0-150	0.00	12.33	0.00	**12.33**	***12.33***
	Badhnu	0-150	0.00	0.00	1.87	**1.87**	***1.87***
	Bangarsar-Jaimalsar	0-150	0.00	0.00	13.74	**13.74**	
		150-300	0.00	0.00	5.37	**5.37**	***19.11***
	Bania	0-150	0.00	0.49	0.00	**0.49**	***0.49***
	Bapeau	0-150	0.00	0.00	35.58	**35.58**	***35.58***
	Barsinghsar	0-150	77.83	0.00	0.00	**77.83**	***77.83***
	Bholasar	0-300	0.00	0.00	3.90	**3.90**	***3.90***
	Bigga-Abhaysingpura	0-300	0.00	0.00	25.26	**25.26**	
		150-300	0.00	0.00	19.38	**19.38**	***44.64***
	Bithnok East(Ext.)	0-300	0.00	39.44	0.00	**39.44**	***39.44***
	Bithnok Main	0-300	43.28	0.00	0.00	**43.28**	
		150-300	55.84	0.00	0.00	**55.84**	***99.12***

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2014)
(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***
Rajasthan	East of Riri	0-150	0.00	0.00	1.76	**1.76**	***1.76***
Bikaner							
	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***
	Kuchore (Napasar)	0-150	0.00	0.00	1.00	**1.00**	***1.00***
	Kuchaur-Athuni	0-150	0.00	0.18	0.00	**0.18**	***0.18***
	Lalamdesar Bada	0-150	0.00	2.00	0.00	**2.00**	***2.00***

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2014)
(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
	Mandal Charman	0-150	0.00	17.70	0.00	**17.70**	***17.70***
	Palana	0-150	23.57	0.00	0.00	**23.57**	***23.57***
	Palana East	0-150	0.00	1.46	0.00	**1.46**	***1.46***
	Pyau	0-150	0.00	0.00	45.56	**45.56**	
		150-300	0.00	0.00	16.62	**16.62**	***62.18***
Rajasthan	Rneri	0-150	33.92	0.00	0.00	**33.92**	***33.92***
Bikaner							
	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***
	Kenya-ki-basti & S.	0-150	0.00	0.96	0.00	**0.96**	
	of Bhane-ka-gaon	150-300	0.06	0.00	0.00	**0.06**	***1.02***
Barmer	Kapurdi	0-150	150.40	0.00	0.00	**150.40**	***150.40***
	Jalipa	0-150	224.28	0.00	0.00	**224.28**	
		150-300	100.55	0.00	0.00	**100.55**	***324.83***
	Bothia(Jalipa N Ext.)	0-300	0.00	151.67	0.00	**151.67**	***151.67***
	Giral	0-150	20.00	81.90	0.00	**101.90**	***101.90***
	Jogeshwartala	0-150	0.00	31.52	0.00	**31.52**	
		150-300	0.00	3.00	0.00	**3.00**	***34.52***
	Sonari	0-300	0.00	43.59	0.00	**43.59**	***43.59***
	Sachha-Sauda	0-300	0.00	28.70	0.00	**28.70**	***28.70***
	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***
	Sindhari East	>150	0.00	262.65	0.00	**262.65**	***262.65***
	Sindhari West	>150	0.00	894.93	339.25	**1234.18**	***1234.18***

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2014)
(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
	Kurla	0-150	0.00	0.00	68.67	**68.67**	***68.67***
	Chokla North	0-300	0.00	0.00	234.77	**234.77**	***234.77***
	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***
	Hodu	0-300	0.00	78.17	80.55	**158.72**	
		>300	0.00	0.00	6.85	**6.85**	***165.57***
	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***
	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***
	Munabao	150-300	0.00	0.00	9.85	**9.85**	***9.85***
	Kawas Gravity Block	150-300	0.00	0.00	53.03	**53.03**	***53.03***
	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***
	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***

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2014)
(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
	Kurla East	0-150	0.00	11.47	0.00	**11.47**	
	(covering Kurla East North & South	150-300	0.00	48.47	0.00	**48.47**	
	sub blocks)	>300	0.00	458.44	250.13	**708.57**	***768.51***
Jaisalmer & barmer	Khuri	0-300	0.00	0.00	13.80	**13.80**	***13.80***
Jaisalmer	Ramgarh	0-150	0.00	0.00	40.96	**40.96**	
		150-300	0.00	0.00	4.30	**4.30**	***45.26***
	Khuiyala	0-150	0.00	0.00	22.52	**22.52**	***22.52***
		0-150	0.00	0.00	2.66	**2.66**	***2.66***
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***
	Kaprion-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			***1167.02***	***2671.93***	***1881.39***	***5720.35***	***5720.35***

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2014)
(Figs. in Million Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	**Total**	***Grand Total***
(1)	(2)	(3)	(4)	(5)	(6)	**(7)**	***(8)***
Gujarat							
Kachchh	Panandhro	0-150	98.00	0.00	0.00	**98.00**	***98.00***
	Panandhro Ext.	0-150	0.00	0.00	14.45	**14.45**	***14.45***
	Barkhan Dam	0-150	0.00	0.00	7.19	**7.19**	***7.19***
	Kaiyari Block-A	0-150	40.36	20.30	0.00	**60.66**	***60.66***
	Kaiyari Block-B	0-150	0.00	10.52	0.00	**10.52**	***10.52***
	Mata-No-Madh	0-150	34.00	0.00	0.00	**34.00**	***34.00***
	Umarsar	0-150	19.47	0.00	0.00	**19.47**	***19.47***
	Lakhpat-Dhedadi(Punahrajpur)	0-150	49.00	24.30	0.00	**73.30**	***73.30***
	Akrimota	0-150	91.78	0.00	0.00	**91.78**	***91.78***
	Jhularai-Waghapadar	0-150	3.00	0.00	0.00	**3.00**	***3.00***
	Hamla-Ratadia	0-150	0.00	0.00	3.00	**3.00**	***3.00***
	Pranpur	0-300	0.00	1.28	8.45	**9.73**	***9.73***
Bhavnagar	Kharsalia,Rampur,Hoidad, Bhuteshwar, Surka etc.	0-300	0.00	0.00	299.17	**299.17**	***299.17***
Bharuch	Bhuri	0-150	10.59	31.56	0.00	**42.15**	***42.15***
	Valia,Bhaga,Luna,Pansoli,	0-150	225.88	0.00	0.00	**225.88**	
	Nani Pardi etc.	>150	232.50	0.00	0.00	**232.50**	
		0-300	251.68	87.03	178.47	**517.18**	***975.56***
	Bhimpur	0-150	3.60	0.00	0.00	**3.60**	
		150-300	0.51	0.00	0.00	**0.51**	***4.11***
	Rajpardi (GMDC leasehold) byMECL	0-150	0.00	0.00	20.72	**20.72**	***20.72***
	Rajpardi (CGM) by MECL	0-300	0.00	0.00	292.04	**292.04**	***292.04***

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 01.04.2014)
(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	Tadkeswar	0-300	0.00	0.00	123.10	**123.10**	***123.10***
	Dungra	0-300	0.00	0.00	92.52	**92.52**	***92.52***
	East of Kamrej-Vesma	150-300	0.00	0.00	7.92	**7.92**	***7.92***
Surat	Tadkeswar Block-Mongrol, Mandvi, Vastan, Nani Naroli,Ghala etc.	0-300	218.28	108.71	112.67	**439.66**	***439.66***
Total for Gujarat			***1278.65***	***283.70***	***1159.70***	***2722.05***	***2722.05***
J & K							
Kupwara	Nichahom	0-150	0.00	20.25	0.00	**20.25**	***20.25***
	Nichahom-Budhasung	0-150	0.00	0.00	7.30	**7.30**	***7.30***
Total for J & K			***0.00***	***20.25***	***7.30***	***27.55***	***27.55***
Kerala							
Kannanur	Madayi	0-150	0.00	0.00	5.60	**5.60**	***5.60***
	Nileswaram	0-150	0.00	0.00	2.50	**2.50**	***2.50***
	Kadamkottumala	0-150	0.00	0.00	1.00	**1.00**	***1.00***
	Kayyur	0-150	0.00	0.00	0.55	**0.55**	***0.55***
Total for Kerala			***0.00***	***0.00***	***9.65***	***9.65***	***9.65***
West Bengal	Rakshitpur	0-150	0.00	0.29	0.86	**1.15**	***1.15***
	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			***6180.90***	***26282.67***	***10783.11***	***43246.68***	***43246.69***

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

Command Area → Year	Agency	CIL (Coal)	SCCL (Coal)	NLC (Lignite)	*TOTAL*
(1)	(2)	(3)	(4)	(5)	*(6)*
2002-2007(X Plan)	***Geological Survey of India***	***57652***	***0***	***7557***	***65209***
2002-2007(X Plan)	***Mineral Exploration Corporation Ltd.***	***161307***	***86022***	***255932***	***503261***
2002-2007(X Plan)	***Central Mine Planning & Design Inst.***	***55019***	***0***	***0***	***55019***
2002-2007(XTH Plan)	***All Agencies***	***273978***	***86022***	***263489***	***623489***
2007-08	Geological Survey of India	11473	0	7487	***18960***
2007-08	Mineral Exploration Corporation Ltd.	38563	17154	37863	***93580***
2007-08	Central Mine Planning & Design Inst.	2992	0	0	***2992***
2007-08	***All Agencies***	***53028***	***17154***	***45350***	***115532***
2008-09	Geological Survey of India	15572	0	7963	***23535***
2008-09	Mineral Exploration Corporation Ltd.	28448	14730	54454	***97632***
2008-09	Central Mine Planning & Design Inst.	5646	0	0	***5646***
2008-09	***All Agencies***	***49666***	***14730***	***62417***	***126813***
2009-10	Geological Survey of India	13192	0	5920	***19112***
2009-10	Mineral Exploration Corporation Ltd.	20799	12303	55127	***88229***
2009-10	Central Mine Planning & Design Inst.	1992	0	0	***1992***
2009-10	***All Agencies***	***35983***	***12303***	***61047***	***109333***
2010-11	Geological Survey of India	13943	0	5607	***19550***
2010-11	Mineral Exploration Corporation Ltd.	20283	9638	51796	***81717***
2010-11	DGM (Nagaland)	83			***83***
2010-11	Central Mine Planning & Design Inst.	1318	0	0	***1318***
2010-11	***All Agencies***	***35627***	***9638***	***57403***	***102668***
2011-12	Geological Survey of India	17872	0	5814	***23686***
2011-12	Mineral Exploration Corporation Ltd.	16769	9228	43750	***69747***
2011-12	DGM (Nagaland)	289			***289***
2011-12	Central Mine Planning & Design Inst.	0	0	0	***0***
2011-12	***All Agencies***	***34930***	***9228***	***49564***	***93722***
TOTAL (XITH Plan)	***Geological Survey of India***	***72052***	***0***	***32791***	***104843***
TOTAL (XITH Plan)	***Mineral Exploration Corporation Ltd.***	***124862***	***63053***	***242990***	***430905***
TOTAL (XITH Plan)	***DGM (Nagaland)***	***372***	***0***	***0***	***372***
TOTAL (XITH Plan)	***Central Mine Planning & Design Inst.***	***11948***	***0***	***0***	***11948***
G. TOTAL (XITH Plan)	***All Agencies***	***209234***	***63053***	***275781***	***548068***
2012-13	Geological Survey of India	14702	0	8379	***23081***
2012-13	Mineral Exploration Corporation Ltd.	21695	8899	59349	***89943***
2012-13	DGM (Nagaland)	328			***328***
2012-13	Central Mine Planning & Design Inst.	0	0	0	***0***
2012-13	***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***
TOTAL (XIITH Plan)	***Geological Survey of India***	***30291***	***0***	***15759***	***46050***
TOTAL (XIITH Plan)	***Mineral Exploration Corporation Ltd.***	***58895***	***18452***	***120743***	***198090***
TOTAL (XIITH Plan)	***DGM (Nagaland)***	***1111***	***0***	***0***	***1111***
TOTAL (XIITH Plan)	***Central Mine Planning & Design Inst.***	***123***	***0***	***0***	***123***
G. TOTAL (XIITH Plan)	***All Agencies***	***90420***	***18452***	***136502***	***245374***

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	⟶	CIL										SCCL
Year	Agency	Blocks	ECL	BCCL	CCL	NCL	WCL	SECL	MCL	NEC	***TOTAL CIL***	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	***(12)***	(13)
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***

Section III

Production & Productivity

3.1 Production

3.1.1 Coal production in India (including lignite) in the year 2013-14 reached **610.036** MT and registered an increase of 1.2% over the last year. The production of coal (excluding lignite) was 565.765 MT and the increase in this case over the last year was 1.7 %. In case of lignite, the production decreased from 46.453 MT in 12-13 to 44.271 MT in 13-14 registering the decrease of 4.7% over the last year.

3.1.2 Statement 3.1 shows production of coal in 2013-14 by different companies.

Statement 3.1: Coal Production in India by Company

Company	Coal Production (2013-14) [MT]		
	Coking	Non-coking	Total
ECL	0.048	35.999	36.047
BCCL	30.055	2.557	32.612
CCL	18.441	31.581	50.022
NCL		68.639	68.639
WCL	0.249	39.480	39.729
SECL	0.125	124.136	124.261
MCL		110.439	110.439
NEC		0.664	0.664
CIL	**48.918**	**413.495**	**462.413**
SCCL		50.469	50.469
Other Public	0.585	14.613	15.198
Total Public	49.503	478.577	528.080
Total Private	7.315	30.370	37.685
ALL INDIA	**56.818**	**508.947**	**565.765**

It can be seen that the Coal India Ltd. accounted for 81.73% of coal production in the country. The share of SCCL in the coal production was 8.92% and the contribution of private sector was 6.66 %. In the CIL group, the major contributors were SECL, MCL and NCL with share of 21.96%, 19.52%, and 12.13% respectively at all India level. These companies collectively accounted for 53.61% of the total coal production at all India level.

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 (89.95%). Statement 3.2 shows that almost all coking coals were produced in the state of Jharkhand which accounted for 96.95% of the total coking coal production. From Table 3.2 it can be seen that in 2013-14 the production of coking coal registered a increase of 10.2% over the previous year whereas in the case of non-coking coal there was an increase of 0.8% over 2012-13. In case of coking coal, Metallurgical coal with the production of 15.114 MT registered an increase of 3.9% and non-metallurgical coal with the production of 41.704 MT registered an increase of 12.6%.

3.1.4 Statement 3.2 shows the coal production in India in 2013-14 by states. It is observed that the three major players are Chhattisgarh (22.5%), Jharkhand (20.0%) and Odisha (20.0%) which together accounted for about 62.41% of the total coal production in the country.

Statement 3.2: Coal Production in India by State

States	Coal Production (2013-14) [MT]		
	Coking	N-Coking	Total
Andhra Pradesh		50.469	50.469
Arunachal Pradesh		0	0
Assam		0.664	0.664
Chhattisgarh	0.125	126.970	127.095
Jammu & Kashmir		0.019	0.019
Jharkhand	55.088	58.003	113.091
Madhya Pradesh	0.249	75.341	75.590
Maharashtra		37.223	37.223
Meghalaya		5.732	5.732
Odisha		112.917	112.917
Uttar Pradesh		14.721	14.721
West Bengal	1.356	26.888	28.244
Total Public	**49.503**	**478.577**	**528.080**
Total Private	**7.315**	**30.370**	**37.685**
All India	**56.818**	**508.947**	**565.765**

3.1.5 If one examines the production from the technology point of view then it is seen that the total production under open cast system accounted for 91.22% of the total coal production and the rest 8.78% was accounted by underground system. (Table 3.16) It is interesting to note that the share of OC mining in total coal production has been steadily increasing over time and in the last ten years it has increased from 83.70% (2004-05) to 91.22% (2013-14).

3.1.6 The production of coal products increased from 41.72 MT in 2012-13. to 43.75 MT in 2013-14. From Table 3.3, it can be seen that in 2013-14, production of Washed Coal (Coking), Washed coal (Non Coking), Hard Coke, Middlings (Non-coking) registered an increase of 1.0%, 10.6%, 7.8 % and 2.6% respectively while Middling (Coking) registered a decline by 10.1 % respectively over the previous year. It is important to note that in 2013-14, the production of Washed Coal was 22.313 MT (Coking 6.614 MT and Non-coking 15.699 MT) against the total raw coal production of 565.765 MT (Coking 56.818 MT and Non-coking 508.947 MT).

3.1.7 Stripping Ratio defined as the ratio of OBR to coal produced in Open Cast mining has been of interest to the researchers. From table 3.19 it can be seen that in 2013-14, the stripping ratio at all India level was 2.23 while the corresponding figure for the year 2012-13 was 2.12. The stripping ratio of CIL in 2013-14 was 1.89. The corresponding figure for the public sector as a whole was 2.15 and the same for the private sector was 3.46. In case of CIL companies, MCL reported the lowest stripping ratio of 0.88 against the production (OC) of 109.006 MT of coal whereas NEC reported the highest stripping ratio of 9.96 with the production (OC) of 0.661 MT of coal. In case of CIL companies, WCL reported the second highest stripping ratio of 3.75 with the production (OC) of 31.999 MT.

3.1.8 Output per man shift (OMS) is one of the measures of efficiency in the production. Statement 3.3 depicts the OMS for 2013-14 year 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 2013-14, in respect of opencast mining, OMS of CIL was 13.16 (T) and SCCL 11.10 (T) against 11.68 (T) and 11.87 (T) respectively in 2012-13. In case of underground mining the trend is almost static. From Table 3.20 it can be seen that the OMS for open cast mining has shown an increasing trend in last ten years. In case of CIL it has increased from 7.18 (T) in 2004-05 to 13.16 in 2013-14. Further details on the issue can be seen from the detailed tables (table 3.20 and 3.21).

Statement 3.3: OMS (Tonne) in OC & UG MINES in 2012-13 and 2013-14 (CIL & SCCL)

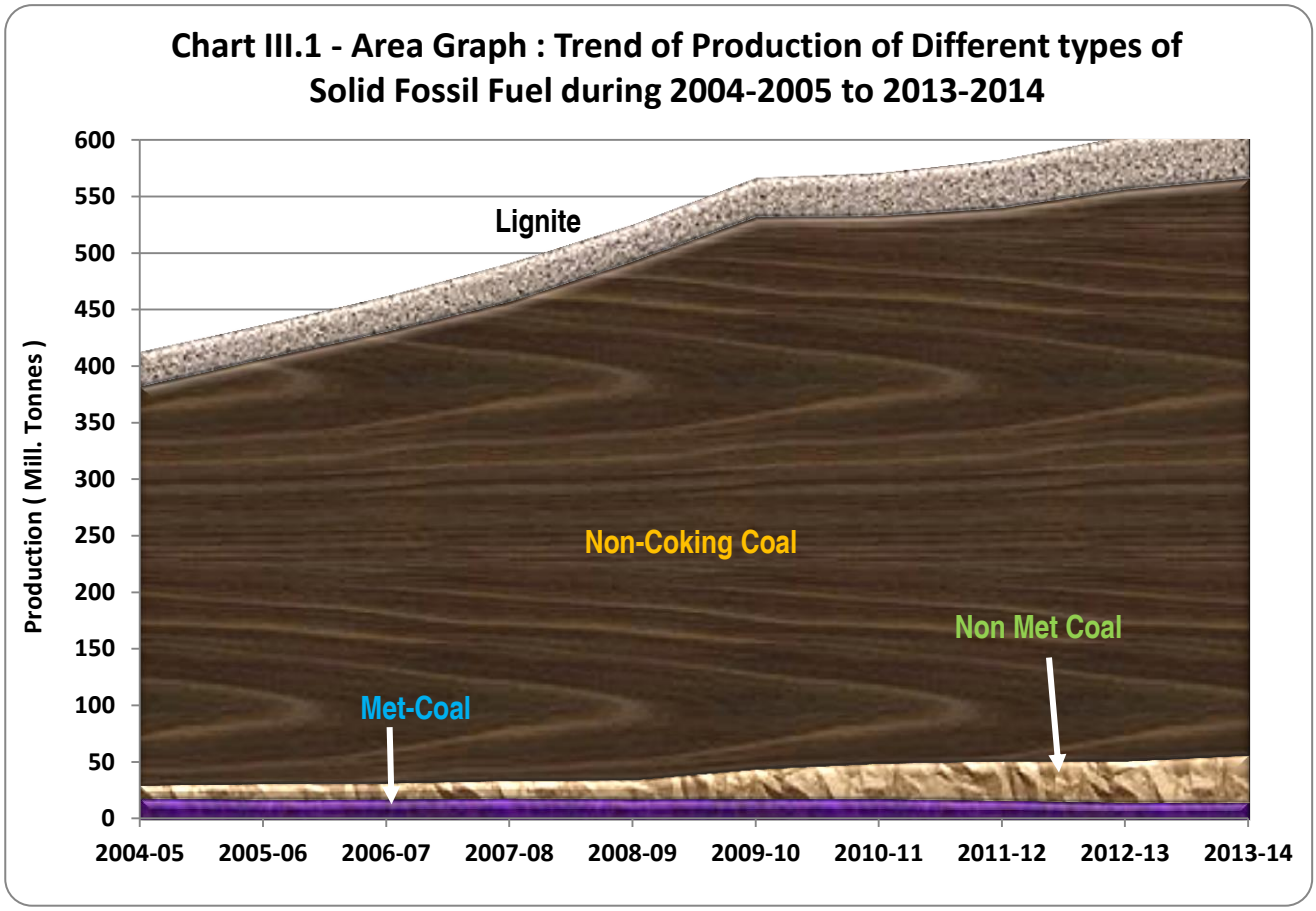
Year	Company	2012-13	2013-14
OMS (OC)	CIL	11.68	13.16
	SCCL	11.87	11.10
OMS (UG)	CIL	0.77	0.76
	SCCL	1.13	1.12
OMS (OVERALL)	CIL	5.32	5.79
	SCCL	3.14	3.86

3.1.9 Lignite Production: In case of lignite the two major players were NLC and GMDCL with contribution of 60.10% and 18.96 % respectively. A decrease of 4.7% in the lignite production in 2013-14 was observed against an increase of 9.7 % increase in production in the year 2012-13. During the year 2013-14, the major player, NLC registered an increase of 1.47% over the last year. The second major player GMDCL, however, registered a decline of 2.29% over last year. RSMML also registered an increase in production by 2.95% over 2012-13.

Statement 3.4 shows production of lignite by different companies in 2012-13and 2013-14.

Statement 3.4: Lignite Production(MT) in India by Company in 2012-13 and 2013-14

Company	2012-13	2013-14
NLC	26.223	26.609
GMDCL	10.905	8.398
GIPCL	3.326	3.006
RSMML	1.387	1.428
GHCL	0.297	0190
VS LIGNITE	0.815	0.890
BLMCL	3.500	3.750
All India	**46.453**	**44.271**

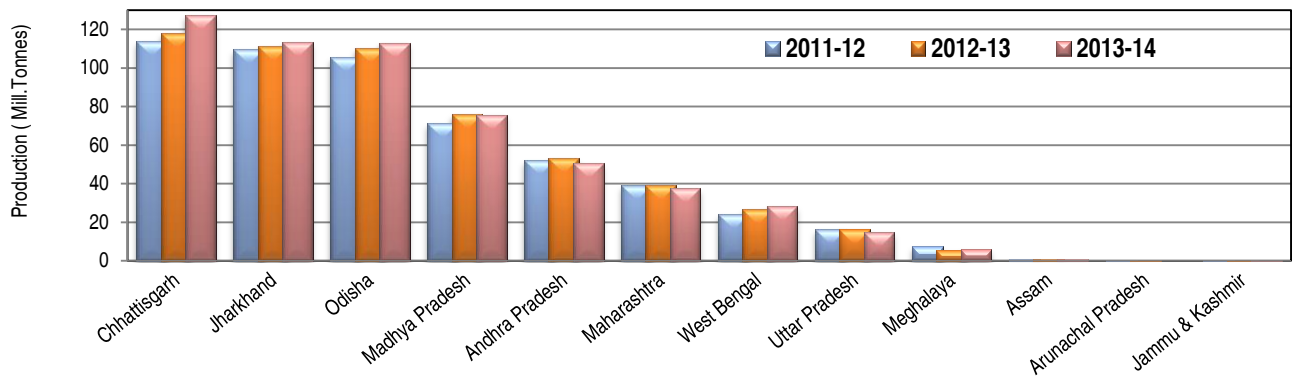


Production of different types of solid fossil fuels during 2004-05 TO 2013-14 (Quantity in Mill.Tonnes).

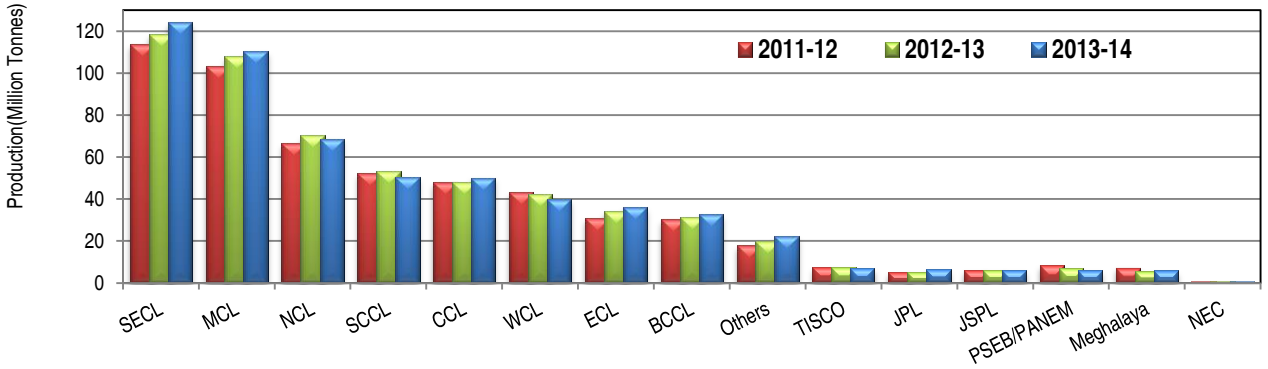
Year	Met Coal	Non Met Coal	Total Coking	Non-Coking	Total Raw Coal	Lignite
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	18.194	12.030	30.224	352.391	382.615	30.411
2005-06	17.123	14.388	31.511	375.528	407.039	30.066
2006-07	17.231	14.866	32.097	398.735	430.832	31.285
2007-08	18.065	16.390	34.455	422.627	457.082	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

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.

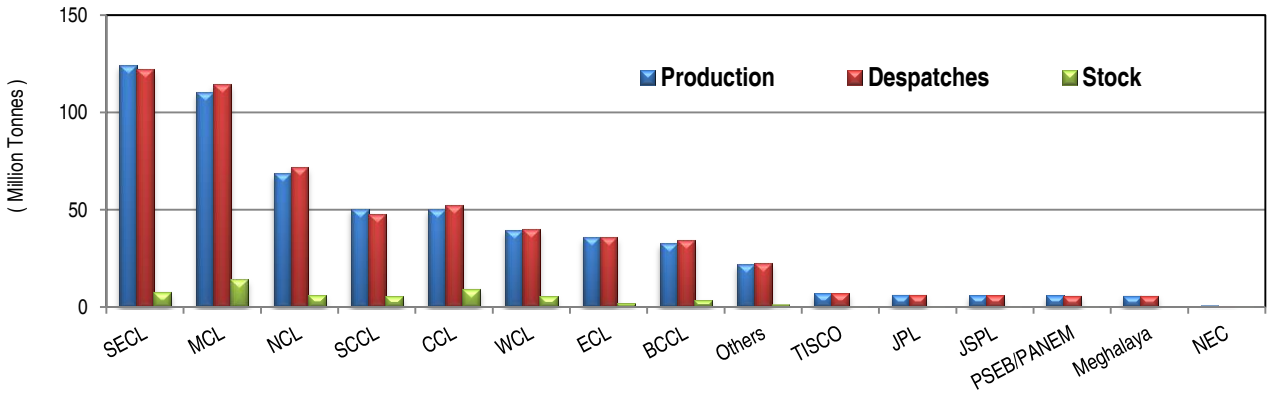
Ch-III.2: Statewise Production of Raw Coal in last Three Years



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



Ch-III.4: Production, Despatches & Stock Companywise in 2013-14



Ch-III.5: Company Share of Production of Raw Coal in 2013-14

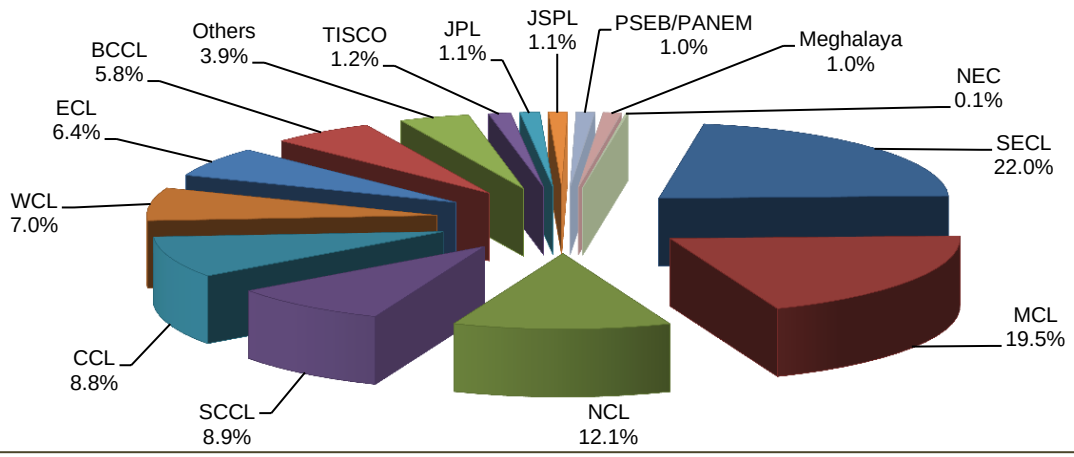
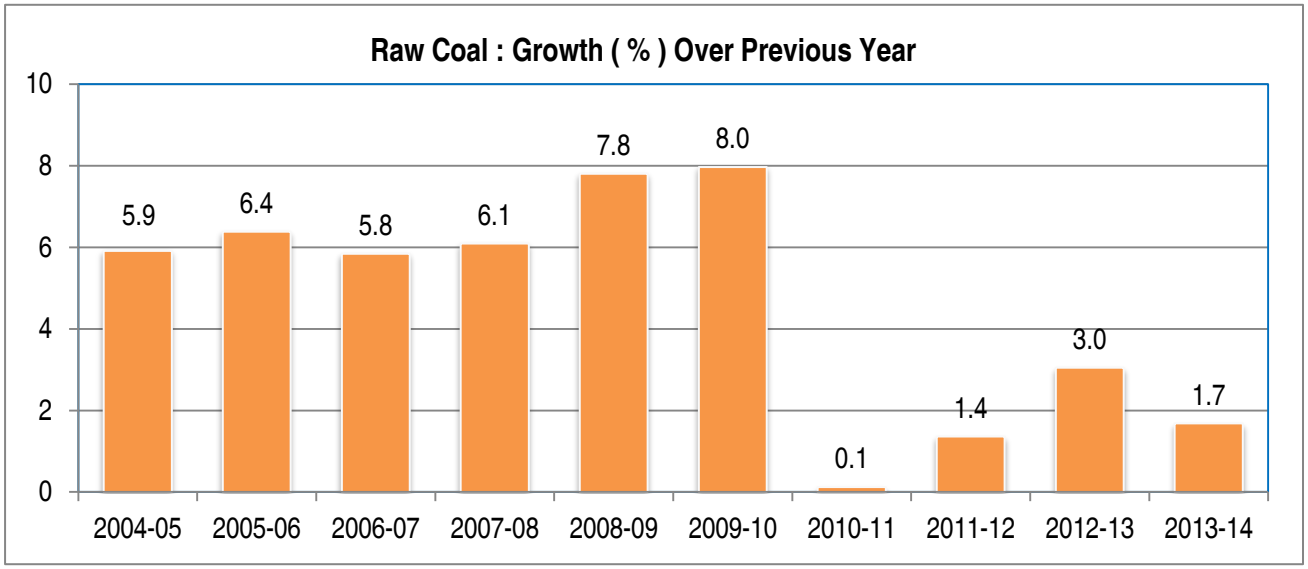


TABLE 3.1: TRENDS OF PRODUCTION OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS

[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)
2004-05	382.615	92.6	5.9	30.411	7.4	8.8	**413.026**	**6.1**
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**



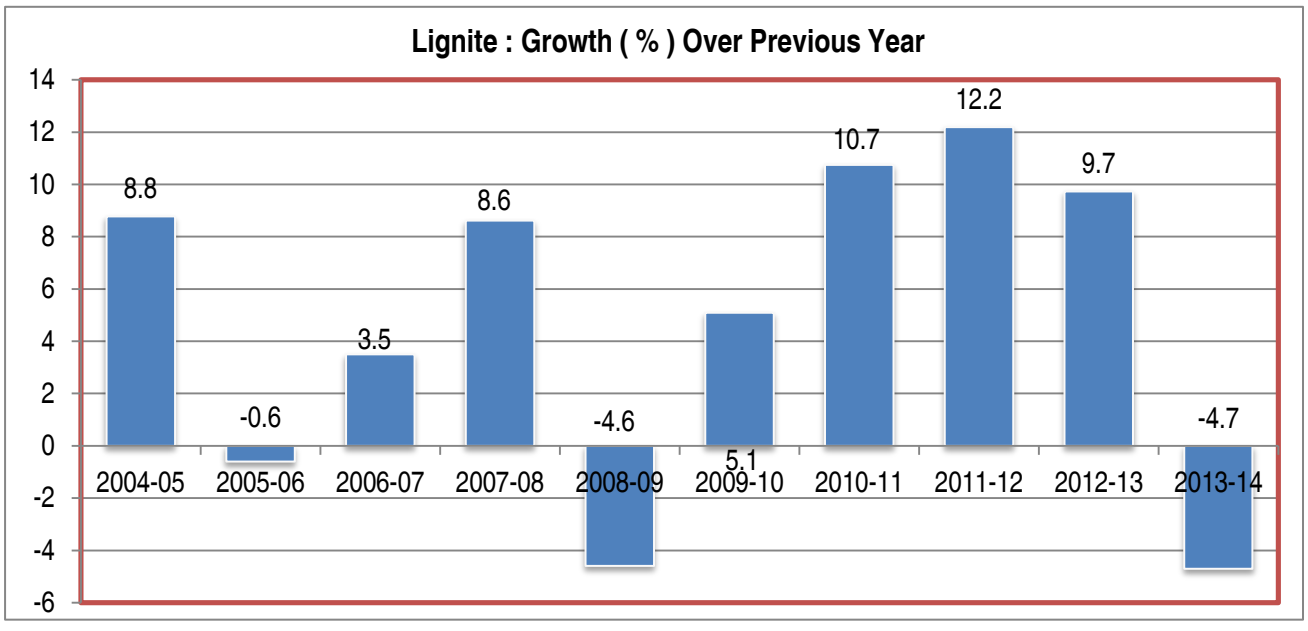
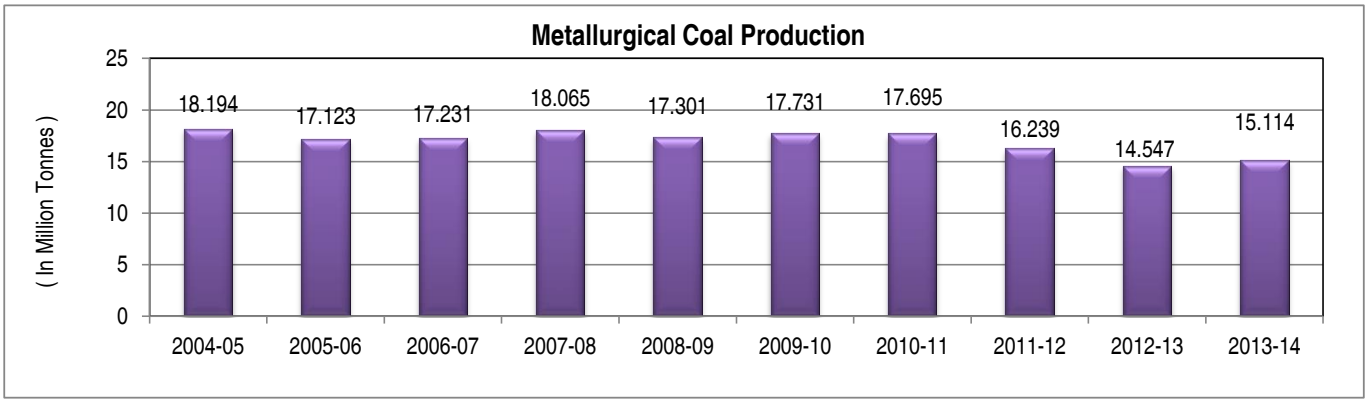
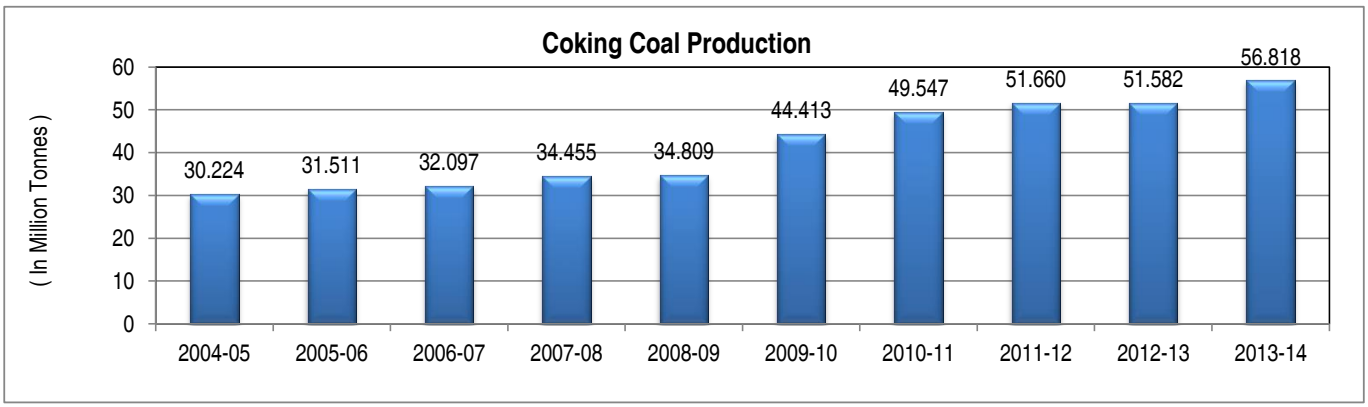


TABLE 3.2: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal							
	Production	Share in coking coal(%)	Growth over previous year (%)	Production	Share in coking coal(%)	Growth over previous year (%)	Production	Share in raw coal(%)	Growth over previous year (%)	Production	Share in raw coal(%)	Growth over previous year (%)	**Production**	**Growth over previous year (%)**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	**(14)**	**(15)**
2004-05	18.194	60.2	-0.4	12.030	39.8	8.1	30.224	7.9	2.8	352.391	92.1	6.2	**382.615**	**5.9**
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**





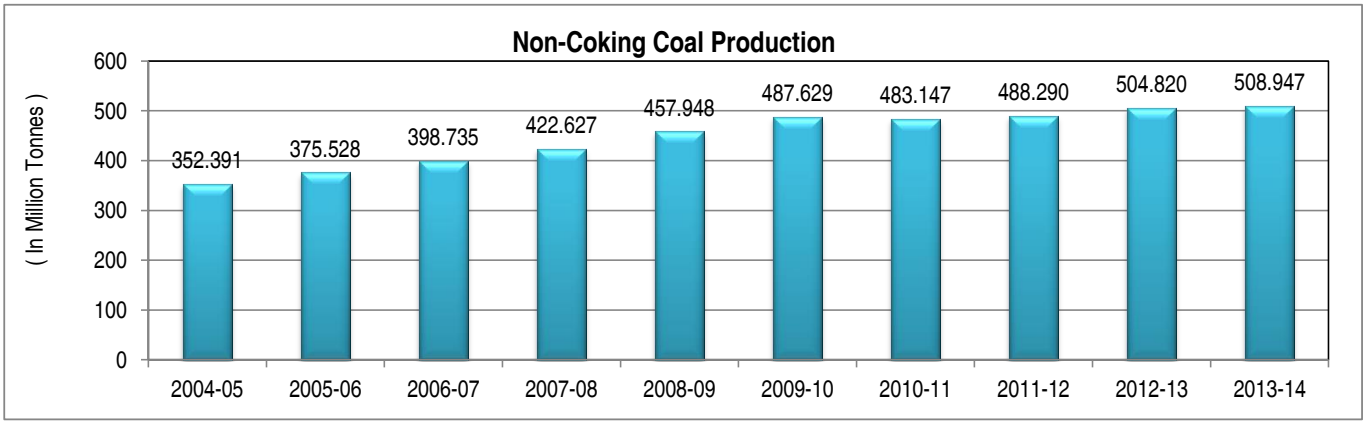
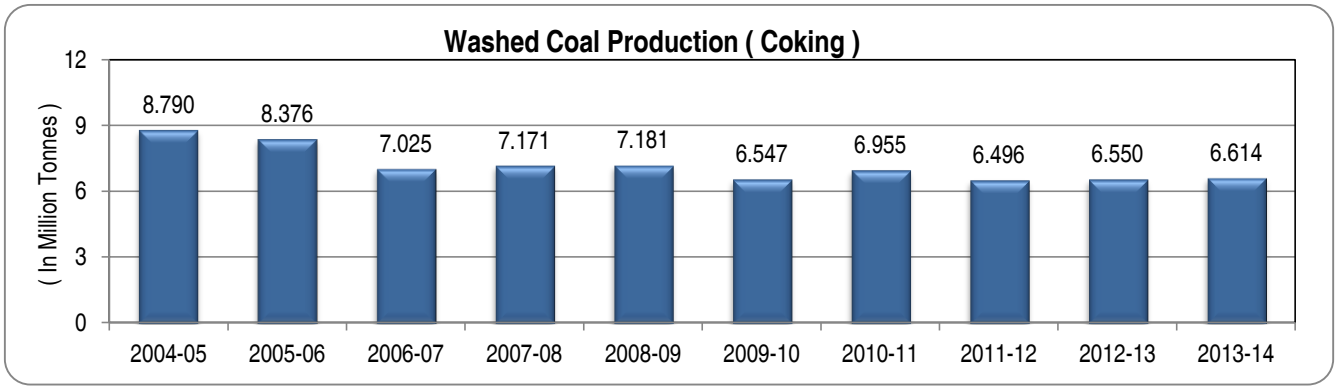
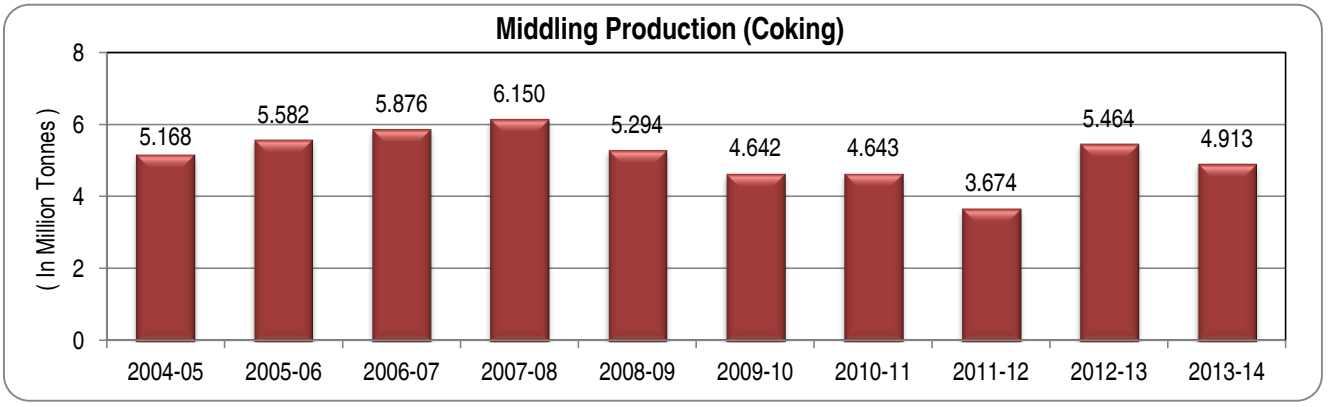


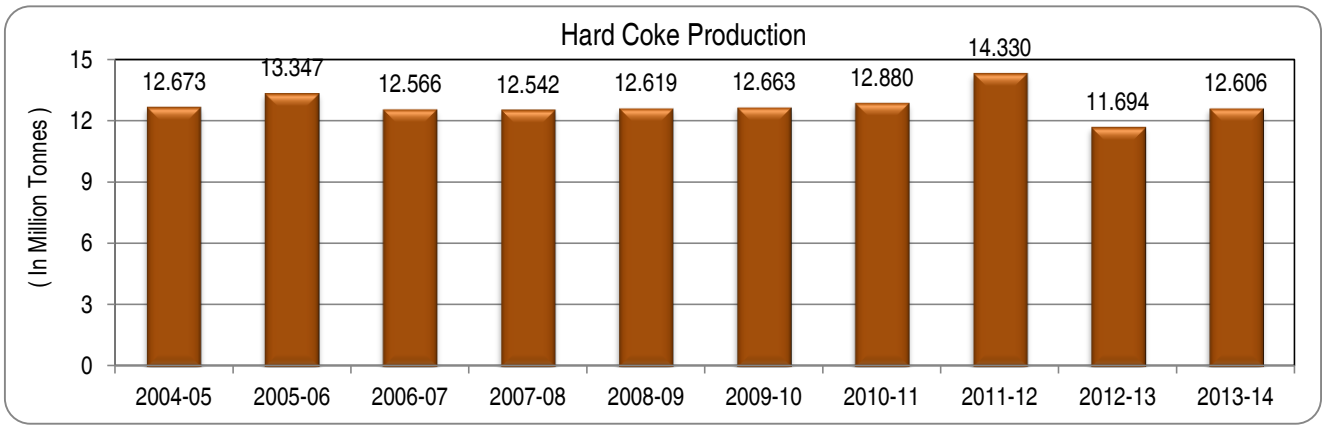
TABLE 3.3: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS

(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)
2004-05	8.790	7.2	10.556	N.A.	5.168	6.6	1.605	N.A.	12.673	-3.4
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







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)
2011-12												
April-June	11.123	0.6	21.5	109.825	0.4	22.5	**120.948**	0.4	22.4	11.883	9.3	28.1
July-Sept.	9.429	-10.0	18.3	92.495	-9.5	18.9	**101.924**	-9.6	18.9	8.132	6.9	19.2
Oct-Dec.	13.408	4.2	26.0	127.340	0.1	26.1	**140.748**	0.5	26.1	9.317	16.2	22.0
Jan-Mar.	17.700	16.8	34.3	158.630	9.9	32.5	**176.330**	10.5	32.7	13.000	15.7	30.7
TOTAL	**51.660**	**4.3**	**100.0**	**488.290**	**1.1**	**100.0**	**539.950**	**1.4**	**100.0**	**42.332**	**12.2**	**100.0**
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

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

(2)** Share (%) is caculated 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)
2011-12															
April-June	1.570	-10.4	24.2	3.663	17.1	23.7	0.899	-20.9	24.5	0.958	-2.7	26.1	3.646	-4.7	25.6
July-Sept.	1.562	-12.3	24.0	3.412	-5.2	22.1	0.902	-11.9	24.6	0.872	-11.9	23.8	3.651	-3.5	25.7
Oct-Dec.	1.595	-8.1	24.6	4.157	12.9	26.9	0.919	-20.4	25.0	0.894	12.5	24.4	3.575	-11.3	24.9
Jan-Mar.	1.769	5.0	27.2	4.205	2.0	27.2	0.954	-28.2	26.0	0.945	15.4	25.8	3.457	-12.6	23.7
TOTAL	**6.496**	**-6.6**	**100.0**	**15.437**	**6.2**	**100.0**	**3.674**	**-20.9**	**100.0**	**3.669**	**2.2**	**100.0**	**14.330**	**-8.1**	**100.0**
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**

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

(2) **Share (%) is caculated 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 2013-14

(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)
2013-14												
Apr-13	4.486	37.3	7.9	38.988	3.3	7.7	43.474	6.0	7.7	4.400	11.5	9.9
May-13	4.405	13.3	7.8	38.800	4.4	7.6	43.205	5.2	7.6	4.521	5.3	10.2
Jun-13	4.329	9.1	7.6	36.091	3.4	7.1	40.420	4.0	7.1	3.718	2.1	8.4
1st Quarter	**13.220**	**18.9**	**23.3**	**113.879**	**3.7**	**22.4**	**127.099**	**5.1**	**22.5**	**12.639**	**6.4**	**28.5**
Jul-13	4.384	20.3	7.7	35.488	-0.1	7.0	39.872	1.8	7.0	2.520	-6.7	5.7
Aug-13	4.222	56.5	7.4	34.160	13.5	6.7	38.382	17.1	6.8	2.895	6.0	6.5
Sep-13	4.241	37.4	7.5	36.761	36.7	7.2	41.002	36.8	7.2	3.140	16.3	7.1
2nd Quarter	**12.847**	**36.2**	**22.6**	**106.409**	**15.0**	**20.9**	**119.256**	**17.0**	**21.1**	**8.555**	**5.2**	**19.3**
Oct-13	4.161	12.9	7.3	38.569	6.6	7.6	42.730	7.2	7.6	2.882	6.7	6.5
Nov-13	4.452	-3.4	7.8	43.258	1.0	8.5	47.710	0.6	8.4	2.877	-5.3	6.5
Dec-13	4.986	-2.5	8.8	49.300	2.0	9.7	54.286	1.6	9.6	3.932	9.9	8.9
3rd Quarter	**13.599**	**1.4**	**23.9**	**131.127**	**3.0**	**25.8**	**144.726**	**2.8**	**25.6**	**9.691**	**4.0**	**21.9**
Jan-14	5.473	3.0	9.6	51.652	3.5	10.1	57.125	3.5	10.1	4.450	10.3	10.1
Feb-14	5.048	-3.9	8.9	47.209	-7.6	9.3	52.257	-7.2	9.2	3.983	-7.0	9.0
Mar-14	6.631	-7.0	11.7	58.671	1.8	11.5	65.302	0.8	11.5	4.953	5.8	11.2
4th Quarter	**17.152**	**-3.1**	**30.2**	**157.532**	**-0.7**	**31.0**	**174.684**	**-0.9**	**30.9**	**13.386**	**3.0**	**30.2**
2013-14	**56.818**	**10.0**	**100.0**	**508.947**	**4.2**	**100.0**	**565.765**	**4.8**	**100.0**	**44.271**	**4.6**	**100.0**

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

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

Cont….

TABLE 3.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL, LIGNITE & COAL PRODUCTS IN 2013-14

(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)
2013-14															
Apr-13	0.575	2.3	8.7	1.205	-3.8	7.7	0.459	52.5	9.3	0.362	17.5	9.2	0.990	13.1	7.9
May-13	0.546	14.5	8.3	1.502	25.4	9.6	0.452	58.0	9.2	0.306	-6.4	7.8	1.042	22.2	8.3
Jun-13	0.537	1.1	8.1	1.407	16.0	9.0	0.452	44.9	9.2	0.357	10.5	9.1	1.025	23.9	8.1
1st Quarter	**1.658**	**5.6**	**25.1**	**4.114**	**12.3**	**26.2**	**1.363**	**51.6**	**27.7**	**1.025**	**7.0**	**26.1**	**3.057**	**19.6**	**24.3**
Jul-13	0.560	3.3	8.5	1.547	24.9	9.9	0.444	42.3	9.0	0.324	0.3	8.3	1.070	21.7	8.5
Aug-13	0.533	5.1	8.1	1.330	24.2	8.5	0.385	35.1	7.8	0.274	-13.0	7.0	1.108	29.6	8.8
Sep-13	0.591	15.2	8.9	1.116	1.3	7.1	0.383	25.6	7.8	0.276	17.9	7.0	1.045	26.5	8.3
2nd Quarter	**1.684**	**7.8**	**25.5**	**3.993**	**17.0**	**25.4**	**1.212**	**34.4**	**24.7**	**0.874**	**0.2**	**22.3**	**3.223**	**25.9**	**25.6**
Oct-13	0.545	14.5	8.2	1.249	0.7	8.0	0.329	15.0	6.7	0.328	21.5	8.4	1.045	24.1	8.3
Nov-13	0.525	-4.4	7.9	1.199	-14.8	7.6	0.355	13.8	7.2	0.307	-3.5	7.8	1.027	25.9	8.1
Dec-13	0.560	-1.8	8.5	1.409	-6.6	9.0	0.389	21.2	7.9	0.301	-1.6	7.7	1.080	30.8	8.6
3rd Quarter	**1.630**	**2.2**	**24.6**	**3.857**	**-7.2**	**24.6**	**1.073**	**16.8**	**21.8**	**0.936**	**4.7**	**23.8**	**3.152**	**26.9**	**25.0**
Jan-14	0.564	-5.1	8.5	1.204	-18.2	7.7	0.457	36.4	9.3	0.333	13.7	8.5	1.077	33.3	8.5
Feb-14	0.550	-6.0	8.3	1.172	-11.7	7.5	0.404	23.2	8.2	0.327	9.0	8.3	0.990	31.6	7.9
Mar-14	0.528	-10.5	8.0	1.359	-3.3	8.7	0.404	38.8	8.2	0.431	22.4	11.0	1.107	37.3	8.8
4th Quarter	**1.642**	**-7.2**	**24.8**	**3.735**	**-11.2**	**23.8**	**1.265**	**32.6**	**25.7**	**1.091**	**15.4**	**27.8**	**3.174**	**34.2**	**25.2**
2013-14	**6.614**	**1.8**	**100.0**	**15.699**	**1.7**	**100.0**	**4.913**	**33.7**	**100.0**	**3.926**	**7.0**	**100.0**	**12.606**	**26.5**	**100.0**

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

(2) **Share (%) is caculated 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: Andhra Pradesh			State: Assam			State: Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2004-05	35.303	9.2	4.3	0.628	0.2	-14.3	69.253	18.1	12.6
2005-06	36.138	8.9	2.4	1.101	0.3	75.3	76.358	18.8	10.3
2006-07	37.707	8.8	4.3	1.050	0.2	-4.6	83.241	19.3	9.0
2007-08	40.604	8.9	7.7	1.101	0.2	4.9	90.172	19.7	8.3
2008-09	44.546	9.0	9.7	1.009	0.2	-8.4	101.922	20.7	13.0
2009-10	50.429	9.5	13.2	1.113	0.2	10.3	109.953	20.7	7.9
2010-11	51.333	9.6	1.8	1.101	0.2	-1.1	113.825	21.4	3.5
2011-12	52.211	9.7	1.7	0.602	0.1	-45.3	113.958	21.1	0.1
2012-13	53.190	9.6	1.9	0.605	0.1	0.5	117.830	21.2	3.4
2013-14	50.469	8.9	-5.1	0.664	0.1	9.8	127.095	22.5	7.9

Year	State: Jammu & Kashmir			State: Jharkhand			State: Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2004-05	0.023	0.0	21.1	78.038	20.4	-1.9	52.511	13.7	5.4
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

Year	State: Maharashtra			State: Meghalaya		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)
2004-05	34.529	9.0	4.9	5.345	1.4	-1.8
2005-06	36.119	8.9	4.6	5.566	1.4	4.0
2006-07	36.215	8.4	0.3	5.787	1.3	3.8
2007-08	36.403	8.0	0.5	6.541	1.4	11.5
2008-09	38.705	7.9	6.3	5.489	1.1	-19.2
2009-10	41.005	7.7	5.9	5.767	1.1	4.8
2010-11	39.336	7.4	-4.1	6.974	1.3	17.3
2011-12	39.159	7.3	-0.4	7.206	1.3	3.2
2012-13	39.134	7.0	-0.1	5.640	1.0	-27.8
2013-14	37.223	6.6	-4.9	5.732	1.0	1.6

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

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

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

(Quantity in Million Tonnes)

Year	State: Odisha			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)
2004-05	66.604	17.4	10.7	16.804	4.4	6.4	23.577	6.2	9.7
2005-06	70.540	17.3	5.9	15.721	3.9	-6.4	24.475	6.0	3.8
2006-07	81.160	18.8	15.1	12.228	2.8	-22.2	24.938	5.8	1.9
2007-08	89.482	19.6	10.3	11.426	2.5	-6.6	22.521	4.9	-9.7
2008-09	98.402	20.0	10.0	12.029	2.4	5.3	22.905	4.6	1.7
2009-10	106.409	20.0	8.1	13.968	2.6	16.1	23.133	4.3	1.0
2010-11	102.565	19.3	-3.6	15.526	2.9	11.2	21.659	4.1	-6.4
2011-12	105.476	19.5	2.8	16.178	3.0	4.2	24.230	4.5	11.9
2012-13	110.132	19.8	4.4	16.090	2.9	-0.5	26.467	4.8	9.2
2013-14	112.917	20.0	2.5	14.721	2.6	-8.5	28.244	5.0	6.7

Year	State: Arunachal Pradesh		
	Quantity	Share (%)	Growth (%)
(41)	(42)	(43)	(44)
2004-05			
2005-06			
2006-07			
2007-08	0.079	0.0	0.0
2008-09	0.142	0.0	79.7
2009-10	0.251	0.0	76.8
2010-11	0.299	0.1	19.1
2011-12	0.221	0.0	-26.1
2012-13	0.073	0.0	-67.0
2013-14	0.000	0.0	-100.0

Year	ALL INDIA	
	Quantity	Growth (%)
(45)	(46)	(47)
2004-05	**382.615**	5.9
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	**532.042**	8.0
2010-11	**532.694**	0.1
2011-12	**539.950**	1.4
2012-13	**556.402**	3.0
2011-13	**565.765**	1.7

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)
2004-05	21.567	71.1	4.9	8.222	27.1	22.3	0.548	1.8	-19.2
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

Year	**ALL INDIA**	
	Quantity	**Growth (%)**
(11)	(12)	(13)
2004-05	**30.337**	8.5
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

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

[Quantity in Milllion Tonnes]

Company	2011-12			2012-13			2013-14		
	Coking	Non-coking	**Total**	Coking	Non-coking	**Total**	Coking	Non-coking	**Total**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	**(10)**
ECL	0.051	30.507	**30.558**	0.043	33.858	**33.901**	0.048	35.999	**36.047**
BCCL	27.250	2.957	**30.207**	26.970	4.241	**31.211**	30.055	2.557	**32.612**
CCL	15.549	32.455	**48.004**	16.181	31.880	**48.061**	18.441	31.581	**50.022**
NCL		66.401	**66.401**		70.021	**70.021**		68.639	**68.639**
WCL	0.319	42.791	**43.110**	0.330	41.957	**42.287**	0.249	39.480	**39.729**
SECL	0.189	113.648	**113.837**	0.157	118.062	**118.219**	0.125	124.136	**124.261**
MCL		103.119	**103.119**		107.895	**107.895**		110.439	**110.439**
NEC		0.602	**0.602**		0.605	**0.605**		0.664	**0.664**
CIL	**43.358**	**392.480**	**435.838**	**43.681**	**408.519**	**452.200**	**48.918**	**413.495**	**462.413**
SCCL		52.211	**52.211**		53.190	**53.190**		50.469	**50.469**
JKML		0.020	**0.020**		0.019	**0.019**		0.019	**0.019**
JSMDCL		0.118	**0.118**			**0.000**			**0**
DVC	0.328	0	**0.328**		0.203	**0.203**		0.054	**0.054**
DVC EMTA		1.165	**1.165**		1.836	**1.836**		1.519	**1.519**
IISCO	0.434	0.164	**0.598**	0.560	0.155	**0.715**	0.541	0.081	**0.622**
APMDTCL		0.221	**0.221**		0.073	**0.073**		0.000	**0.000**
SAIL	0.040		**0.040**	0.033	0.069	**0.102**	0.044	0.025	**0.069**
WBPDCL		2.814	2.814		3.266	3.266		2.606	**2.606**
WBMDTCL					0.348	**0.348**		0.726	**0.726**
PSEB/PANEM		8.301	**8.301**		6.926	**6.926**		5.879	**5.879**
KECML		2.189	**2.189**		2.506	**2.506**		2.502	**2.502**
RRVUNL					0.293	**0.293**		1.197	**1.197**
MPSMCL								0.005	**0.005**
Total Public	**44.160**	**459.683**	**503.843**	**44.274**	**477.403**	**521.677**	**49.503**	**478.577**	**528.080**
TISCO	7.394	0.067	**7.461**	7.214	0.081	**7.295**	6.905	0.067	**6.972**
Meghalaya		7.206	**7.206**		5.640	**5.640**		5.732	**5.732**
ICML		3.745	**3.745**		3.129	**3.129**		2.708	**2.708**
JSPL		5.998	**5.998**		5.999	**5.999**		5.999	**5.999**
HIL		2.357	**2.357**		2.237	**2.237**		2.478	**2.478**
MIEL		0.851	**0.851**		0.795	**0.795**		0.919	**0.919**
BLA		0.299	**0.299**		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**		0.480	**0.480**		0.446	**0.446**
JPL		5.250	**5.250**		5.250	**5.250**		6.226	**6.226**
SIL		0.160	**0.160**		0.248	**0.248**		0.148	**0.148**
ESCL	0.106		**0.106**	0.094	0.005	**0.099**	0.410	0.051	**0.461**
UML		0.351	**0.351**		0.560	**0.560**		0.762	**0.762**
SEML		0.774	**0.774**		0.976	**0.976**		1.165	**1.165**
BSIL		0.003	**0.003**		0.062	**0.062**		0.081	**0.081**
TUML/SVSL		0.066	**0.066**		0.341	**0.341**		0.317	**0.317**
SPL					0.225	**0.225**		1.695	**1.695**
SOVA					0.089	**0.089**		0.276	**0.276**
GVK						**0.000**		0.000	**0.000**
Total Private	**7.500**	**28.607**	**36.107**	**7.308**	**27.417**	**34.725**	**7.315**	**30.370**	**37.685**
ALL INDIA	**51.660**	**488.290**	**539.950**	**51.582**	**504.820**	**556.402**	**56.818**	**508.947**	**565.765**
LIGNITE									
NLC			**24.590**			**26.223**			**26.609**
GMDCL			**11.343**			**10.905**			**8.398**
GIPCL			**3.042**			**3.326**			**3.006**
RSMML			**2.120**			**1.387**			**1.428**
GHCL			**0.394**			**0.297**			**0.190**
VSLPPL			**0.843**			**0.815**			**0.890**
BLMCL						**3.500**			**3.750**
ALL INDIA			**42.332**			**46.453**			**44.271**
COAL & LIGNITE			**582.282**			**602.855**			**610.036**

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

(Quantity in Million Tonnes)

State	2009-10	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)
COKING					
Chhattisgarh	0.150	0.163	0.189	0.157	0.125
Jharkhand	43.666	48.945	51.108	51.065	55.088
Madhya Pradesh	0.545	0.403	0.319	0.330	0.249
West Bengal	0.052	0.036	0.044	0.030	1.356
Total Coking	**44.413**	**49.547**	**51.660**	**51.582**	**56.818**
NON-COKING					
Andhra Pradesh	50.429	51.333	52.211	53.190	50.469
Arunachal Pradesh	0.251	0.299	0.221	0.073	0.000
Assam	1.113	1.101	0.602	0.605	0.664
Chhattisgarh	109.803	113.661	113.769	117.673	126.970
Jammu & Kashmir	0.023	0.024	0.020	0.019	0.019
Jharkhand	62.251	60.004	58.458	60.209	58.003
Madhya Pradesh	73.529	70.701	70.804	75.618	75.341
Maharashtra	41.005	39.336	39.159	39.134	37.223
Meghalaya	5.767	6.974	7.206	5.640	5.732
Odisha	106.409	102.565	105.476	110.132	112.917
Uttar Pradesh	13.968	15.526	16.178	16.090	14.721
West Bengal	23.081	21.623	24.186	26.437	26.888
Total Non-Coking	**487.629**	**483.147**	**488.290**	**504.820**	**508.947**

TABLE 3.10: STATEWISE PRODUCTION OF LIGNITE IN LAST FIVE YEARS

(Quantity in Million Tonnes)

State	2009-10	2010-11	2011-12	2012-13	2013-14
(1)	(4)	(5)	(6)	(6)	(6)
Gujarat	10.526	13.064	14.779	14.528	11.588
Rajasthan	1.207	1.525	2.963	7.081	7.627
Tamilnadu	22.338	23.144	24.590	24.844	25.056
TOTAL	**34.071**	**37.733**	**42.332**	**46.453**	**44.271**

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

[Quantity in Million Tonnes]

STATES	COAL COMPANY	2011-2012			2012-2013			2013-2014		
		Coking	N-Coking	**Total**	Coking	N-Coking	**Total**	Coking	N-Coking	**Total**
(1)	(2)	(3)	(4)	**(5)**	(6)	(7)	**(8)**	(9)	(10)	**(11)**
Andhra Pradesh	**SCCL**		52.211	**52.211**		53.190	**53.190**		50.469	**50.469**
Arunachal Pradesh	**APMDTCL**		0.221	**0.221**		0.073	**0.073**		0	**0**
Assam	**NEC**		0.602	**0.602**		0.605	**0.605**		0.664	**0.664**
Chhattisgarh	SECL	0.189	99.416	**99.605**	0.157	102.880	**103.037**	0.125	110.018	**110.143**
Chhattisgarh	JSPL		5.998	**5.998**		5.999	**5.999**		5.999	**5.999**
Chhattisgarh	MIEL		0.851	**0.851**		0.795	**0.795**		0.919	**0.919**
Chhattisgarh	PIL		1.000	**1.000**		1.000	**1.000**		1.000	**1.000**
Chhattisgarh	JPL		5.250	**5.250**		5.250	**5.250**		6.226	**6.226**
Chhattisgarh	JNL		0.480	**0.480**		0.480	**0.480**		0.446	**0.446**
Chhattisgarh	SEML		0.774	**0.774**		0.976	**0.976**		1.165	**1.165**
Chhattisgarh	CML			**0**			**0**			**0**
Chhattisgarh	RRVUNL					0.293	**0.293**		1.197	**1.197**
Chhattisgarh	**TOTAL**	**0.189**	**113.769**	**113.958**	**0.157**	**117.673**	**117.830**	**0.125**	**126.970**	**127.095**
Jammu & Kashmir	**JKML**		0.020	**0.020**		0.019	**0.019**		0.019	**0.019**
Jharkhand	ECL	0.041	14.209	**14.250**	0.033	16.290	**16.323**	0.038	17.133	**17.171**
Jharkhand	BCCL	27.216	2.957	**30.173**	26.950	4.195	**31.145**	28.709	2.356	**31.065**
Jharkhand	CCL	15.549	32.455	**48.004**	16.181	31.880	**48.061**	18.441	31.581	**50.022**
Jharkhand	JSMDCL		0.118	**0.118**		0	**0**		0	**0**
Jharkhand	DVC	0.328		**0.328**		0.203	**0.203**		0.054	**0.054**
Jharkhand	IISCOCJ	0.434		**0.434**	0.560		**0.560**	0.541		**0.541**
Jharkhand	TISCO	7.394	0.067	**7.461**	7.214	0.081	**7.295**	6.905	0.067	**6.972**
Jharkhand	PSEB/PANEM		8.301	**8.301**		6.926	**6.926**		5.879	**5.879**
Jharkhand	UML		0.351	**0.351**		0.560	**0.560**		0.762	**0.762**
Jharkhand	ESCL	0.106		**0.106**	0.094	0.005	**0.099**	0.410	0.051	**0.461**
Jharkhand	SAIL	0.040		**0.040**	0.033	0.069	**0.102**	0.044	0.025	**0.069**
Jharkhand	WBPDCL								0.095	**0.095**
Jharkhand	GVK					0.000	**0.000**		0	**0**
Jharkhand	**TOTAL**	**51.108**	**58.458**	**109.566**	**51.065**	**60.209**	**111.274**	**55.088**	**58.003**	**113.091**
Madhya Pradesh	NCL		50.223	**50.223**		53.931	**53.931**		53.918	**53.918**
Madhya Pradesh	WCL	0.319	6.050	**6.369**	0.330	5.980	**6.310**	0.249	5.305	**5.554**
Madhya Pradesh	SECL		14.232	**14.232**		15.182	**15.182**		14.118	**14.118**
Madhya Pradesh	BLA		0.299	**0.299**		0.300	**0.300**		0.300	**0.300**
Madhya Pradesh	SPL					0.225	**0.225**		1.695	**1.695**
Madhya Pradesh	MPSMCL								0.005	**0.005**
Madhya Pradesh	**TOTAL**	**0.319**	**70.804**	**71.123**	**0.330**	**75.618**	**75.948**	**0.249**	**75.341**	**75.590**
Maharashtra	WCL		36.741	**36.741**		35.977	**35.977**		34.175	**34.175**
Maharashtra	SIL		0.160	**0.160**		0.248	**0.248**		0.148	**0.148**
Maharashtra	BSIL		0.003	**0.003**		0.062	**0.062**		0.081	**0.081**
Maharashtra	KECML		2.189	**2.189**		2.506	**2.506**		2.502	**2.502**
Maharashtra	TUML/SVSL		0.066	**0.066**		0.341	**0.341**		0.317	**0.317**
Maharashtra	**TOTAL**	**0**	**39.159**	**39.159**	**0.000**	**39.134**	**39.134**	**0**	**37.223**	**37.223**
Meghalaya	**MEG**		7.206	**7.206**		5.640	**5.640**		5.732	**5.732**
Odisha	MCL		103.119	**103.119**		107.895	**107.895**		110.439	**110.439**
Odisha	HIL		2.357	**2.357**		2.237	**2.237**		2.478	**2.478**
Odisha	**TOTAL**		**105.476**	**105.476**		**110.132**	**110.132**		**112.917**	**112.917**
Uttar Pradesh	**NCL**		16.178	**16.178**		16.090	**16.090**		14.721	**14.721**
West Bengal	ECL	0.010	16.298	**16.308**	0.010	17.568	**17.578**	0.010	18.866	**18.876**
West Bengal	BCCL	0.034	0	**0.034**	0.020	0.046	**0.066**	1.346	0.201	**1.547**
West Bengal	IISCOR		0.164	**0.164**		0.155	**0.155**		0.081	**0.081**
West Bengal	ICML		3.745	**3.745**		3.129	**3.129**		2.708	**2.708**
West Bengal	WBPDCL	0.000	2.814	**2.814**	0.000	3.266	**3.266**		2.511	**2.511**
West Bengal	DVC EMTA		1.165	**1.165**		1.836	**1.836**		1.519	**1.519**
West Bengal	WBMDTCL			**0.000**		0.348	**0.348**		0.726	**0.726**
West Bengal	SOVA			**0.000**		0.089	**0.089**		0.276	**0.276**
West Bengal	**TOTAL**	**0.044**	**24.186**	**24.230**	**0.030**	**26.437**	**26.467**	**1.356**	**26.888**	**28.244**
Total Public		**44.160**	**459.683**	**503.843**	**44.274**	**477.403**	**521.677**	**49.503**	**478.577**	**528.080**
Total Private	**TOTAL**	**7.500**	**28.607**	**36.107**	**7.308**	**27.417**	**34.725**	**7.315**	**30.370**	**37.685**
All India		**51.660**	**488.290**	**539.950**	**51.582**	**504.820**	**556.402**	**56.818**	**508.947**	**565.765**

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)
2011-12	BCCL	1421						
	CCL	1334	914					
	WCL	137	97					
	DCC				28	31	42	145
	SAIL	339	197	9976				
	RINL			2414				
	TISCO	3266	2466	1940				
	TOTAL	**6497**	**3674**	**14330**	**28**	**31**	**42**	**145**
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**

Coke production of RINL is included in this table.

TABLE 3.13: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2013-14

(Quantity in Million Tonnes)

Companies	PRODUCTION 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			**0.010**			**0.038**			0.010	0.038	**0.048**
BCCL	**0.061**	**0.604**		**0.145**	**1.370**	**8.699**	**18.923**	**0.253**	2.840	27.215	**30.055**
CCL					**0.123**	**2.786**	**15.532**		4.115	14.326	**18.441**
NCL											**0.000**
WCL					**0.249**				0.249	0.000	**0.249**
SECL			**0.125**							0.125	**0.125**
MCL											**0.000**
NEC											**0.000**
CIL	**0.061**	**0.604**	**0.135**	**0.145**	**1.742**	**11.523**	**34.455**	**0.253**	**7.214**	**41.704**	**48.918**
SCCL											**0.000**
JKML											**0.000**
DVC											**0.000**
IISCO						**0.056**	**0.485**		0.541	0.000	**0.541**
SAIL							**0.044**		0.044	0.000	**0.044**
JSMDCL											**0.000**
DVCEMTA											**0.000**
APMDTCL											**0.000**
RRVUNL											**0.000**
WBMDTCL											**0.000**
WBPDCL											**0.000**
PSEB-PANEM											**0.000**
KECML											**0.000**
MPSMCL											**0.000**
PUBLIC	**0.061**	**0.604**	**0.135**	**0.145**	**1.742**	**11.579**	**34.984**	**0.253**	**7.799**	**41.704**	**49.503**
TISCO					**0.300**	**0.910**	**5.695**		6.905	0.000	**6.905**
MEG											**0.000**
ICML											**0.000**
JSPL											**0.000**
HIL											**0.000**
MIEL											**0.000**
BLA											**0.000**
CML											**0.000**
PIL											**0.000**
JNL											**0.000**
JPL											**0.000**
SIL											**0.000**
ESCL						**0.127**	**0.283**		0.410	0.000	**0.410**
UML											**0.000**
SEML											**0.000**
BSIL											**0.000**
TUML-SVSL											**0.000**
SPL											**0.000**
SOVA											**0.000**
GVK											**0.000**
PRIVATE	**0.000**	**0.000**	**0.000**	**0.000**	**0.300**	**1.037**	**5.978**	**0.000**	**7.315**	**0.000**	**7.315**
India (13-14)	**0.061**	**0.604**	**0.135**	**0.145**	**2.042**	**12.616**	**40.962**	**0.253**	**15.114**	**41.704**	**56.818**

Contd....

TABLE 3.13: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2013-14

(Quantity in Million Tonnes)

Companies	PRODUCTION OF NON-COKING COAL																		Total Coal
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	UNG	Total N-coking	
ECL		0.056	1.394	13.131	4.698	0.914	1.465	0.199			14.142								35.999	36.047
BCCL		0.062	0.537	0.104	0.129	1.239	0.315	0.165			0.006								2.557	32.612
CCL				0.097	1.675	0.270	1.573	1.359	20.005	2.861	3.741								31.581	50.022
NCL					0.873	0.147	17.275	8.846		40.836				0.662					68.639	68.639
WCL				0.013	0.338	1.551	3.322	9.323	24.540	0.393									39.480	39.729
SECL			3.443	5.210	4.478	9.956	4.352	0.938		6.525	79.799	9.435							124.136	124.261
MCL					0.101		0.032	0.162	1.186	1.101	9.997	42.581	55.279						110.439	110.439
NEC	0.331	0.298		0.035															0.664	0.664
CIL	0.331	0.416	5.374	18.590	12.292	14.077	28.334	20.992	45.731	51.716	107.685	52.016	55.279	0.662	0.000	0.000	0.000	0.000	413.495	462.413
SCCL					0.731	0.017	5.881	1.333	9.068	1.906	15.618	0.001	11.797	0.236	2.442	0.613	0.826		50.469	50.469
JKML																	0.019		0.019	0.019
DVC				0.054															0.054	0.054
IISCO				0.015	0.024							0.042							0.081	0.622
SAIL												0.025							0.025	0.069
JSMDCL																			0.000	0.000
DVCEMTA						0.456	1.063												1.519	1.519
APMDTCL																			0.000	0.000
RRVUNL												1.197							1.197	1.197
WBMDTCL				0.537	0.189														0.726	0.726
WBPDCL				2.330		0.276													2.606	2.606
PSEB-PANEM						2.058		2.940	0.881										5.879	5.879
KECML								2.502											2.502	2.502
MPSMCL																		0.005	0.005	0.005
PUBLIC	0.331	0.416	5.374	21.526	13.236	16.884	35.278	27.767	55.680	53.622	123.303	53.281	67.076	0.898	2.442	0.613	0.845	0.005	478.577	528.080
TISCO	0.067																		0.067	6.972
MEG	5.732																		5.732	5.732
ICML											2.708								2.708	2.708
JSPL												0.861			1.416		3.722		5.999	5.999
HIL													1.827	0.651					2.478	2.478
MIEL							0.497					0.422							0.919	0.919
BLA						0.068	0.062	0.082		0.088									0.300	0.300
CML																			0.000	0.000
PIL									1.000										1.000	1.000
JNL									0.323			0.123							0.446	0.446
JPL												1.523		2.223		2.480			6.226	6.226
SIL								0.148											0.148	0.148
ESCL																		0.051	0.051	0.461
UML						0.762													0.762	0.762
SEML												0.162		0.784			0.219		1.165	1.165
BSIL													0.081						0.081	0.081
TUML-SVSL											0.317								0.317	0.317
SPL										1.695									1.695	1.695
SOVA								0.276											0.276	0.276
GVK																			0.000	0.000
PRIVATE	5.799	0.000	0.000	0.000	0.000	0.830	0.559	0.506	1.323	1.783	3.025	3.091	1.908	3.658	1.416	2.480	3.941	0.051	30.370	37.685
India (13-14)	6.130	0.416	5.374	21.526	13.236	17.714	35.837	28.273	57.003	55.405	126.328	56.372	68.984	4.556	3.858	3.093	4.786	0.056	508.947	565.765

TABLE 3.14: GRADEWISE PRODUCTION OF COKING COAL AND NON COKING COAL BY STATES IN 2013-14

(Quantity in Million Tonnes)

Grade	Andhra Pradesh	Arunachal Pradesh	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Madhya Pradesh	Maharashtra	Meghalaya	Odisha	Uttar Pradesh	West Bengal	**India (2013-14)**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	**(14)**
Steel-I						0.061							**0.061**
Steel-II						0.604							**0.604**
SC				0.125								0.010	**0.135**
Wash-I						0.145							**0.145**
Wash-II						1.439	0.249					0.354	**2.042**
Wash-III						11.877						0.739	**12.616**
Wash-IV						40.962							**40.962**
SLV1												0.253	**0.253**
Met.Coal						14.855	0.249					0.010	**15.114**
Non Met	0.000	0.000	0.000	0.125	0.000	40.233	0.000	0.000	0.000	0.000	0.000	1.346	**41.704**
Total Coking	**0.000**	**0.000**	**0.000**	**0.125**	**0.000**	**55.088**	**0.249**	**0.000**	**0.000**	**0.000**	**0.000**	**1.356**	**56.818**
G1			0.331			0.067			5.732				**6.130**
G2			0.298			0.062						0.056	**0.416**
G3				1.796		0.794	1.647					1.137	**5.374**
G4			0.035	3.829		0.324	1.394					15.944	**21.526**
G5	0.731			3.351		3.495	2.030	0.162		0.101	0.146	3.220	**13.236**
G6	0.017			3.267		4.903	7.502	0.806			0.147	1.072	**17.714**
G7	5.881			1.575		1.983	22.642	1.291		0.032		2.433	**35.837**
G8	1.333			0.938		4.663	3.100	10.540		0.162	7.261	0.276	**28.273**
G9	9.068			1.323		20.886	0.907	23.633		1.186			**57.003**
G10	1.906			6.525		2.861	35.452	0.393		1.101	7.167		**55.405**
G11	15.618			79.799		17.889		0.317		9.997		2.708	**126.328**
G12	0.001			13.723		0.025				42.581		0.042	**56.372**
G13	11.797							0.081		57.106			**68.984**
G14	0.236			3.007			0.662			0.651			**4.556**
G15	2.442			1.416									**3.858**
G16	0.613			2.480									**3.093**
G17	0.826			3.941	0.019								**4.786**
UNG						0.051	0.005						**0.056**
Total Non-Coking	**50.469**	**0.000**	**0.664**	**126.970**	**0.019**	**58.003**	**75.341**	**37.223**	**5.732**	**112.917**	**14.721**	**26.888**	**508.947**
India (13-14)	**50.469**	**0.000**	**0.664**	**127.095**	**0.019**	**113.091**	**75.590**	**37.223**	**5.732**	**112.917**	**14.721**	**28.244**	**565.765**

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	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	Grade (New)	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(11)	(12)
PRODUCTION OF COKING COAL	Steel-I	0.147	0.139	0.127	0.083	0.075	0.109	0.263	0.083	Steel-I	0.072	0.061
	Steel-II	0.106	0.999	0.559	0.282	0.960	1.380	1.558	1.135	Steel-II	1.37	0.604
	SC-1	0.206	0.192	0.182	0.181	0.169	0.167	0.17	0.199	SC-1	0.167	0.135
	Wash-I	0.342	0.249	0.291	0.471	0.318	0.297	0.235	0.246	Wash-I	0.26	0.145
	Wash-II	3.827	4.641	3.171	2.085	1.717	1.868	1.757	1.815	Wash-II	1.711	2.042
	Wash-III	7.655	6.039	6.737	7.759	8.090	10.068	10.165	13.147	Wash-III	12.346	12.616
	Wash-IV	17.837	19.203	20.999	23.568	23.472	30.524	35.399	35.035	Wash-IV	35.656	40.962
	SLV1	0.104	0.050	0.031	0.026	0.008	0	0	0	SLV1	0	0.253
	Met.Coal	18.194	17.123	17.231	18.065	17.301	17.731	17.695	15.114	Met.Coal	14.547	15.114
	Non Met	12.030	14.389	14.866	16.390	17.508	26.682	31.852	36.546	Non Met	37.035	41.704
	Total Coking	**30.224**	**31.512**	**32.097**	**34.455**	**34.809**	**44.413**	**49.547**	**51.660**	**Total Coking**	**51.582**	**56.818**
PRODUCTION OF NON - COKING COAL	A	3.929	4.599	4.958	4.901	10.179	10.692	12.182	14.942	G1	5.899	6.130
	B	22.152	21.723	20.815	21.959	24.854	25.827	24.023	59.312	G2	0.48	0.416
	C	53.017	50.720	53.059	55.526	51.058	56.147	55.581	28.918	G3	5.622	5.374
	D	41.544	41.881	42.439	45.721	48.006	50.518	45.710	77.109	G4	17.619	21.526
	E	85.645	96.175	98.079	102.277	112.993	117.855	121.227	78.257	G5	15.162	13.236
	F	136.034	148.170	165.673	178.877	201.286	219.097	212.693	205.194	G6	22.708	17.714
	G	2.401	6.560	7.733	6.590	9.332	7.099	10.612	13.712	G7	34.842	35.837
										G8	24.189	28.273
										G9	66.817	57.003
										G10	59.118	55.405
										G11	120.369	126.328
										G12	36.932	56.372
										G13	81.09	68.984
										G14	3.168	4.556
										G15	3.968	3.858
										G16	1.63	3.093
										G17	5.207	4.786
	Ungr	7.669	5.700	5.979	6.776	0.240	0.394	1.119	10.846			0.056
	Total Non-Coking	**352.391**	**375.528**	**398.735**	**422.627**	**457.948**	**487.629**	**483.147**	**488.290**		**504.820**	**508.947**
TOTAL COAL		**382.615**	**407.040**	**430.832**	**457.082**	**492.757**	**532.042**	**532.694**	**539.950**		**556.402**	**565.765**

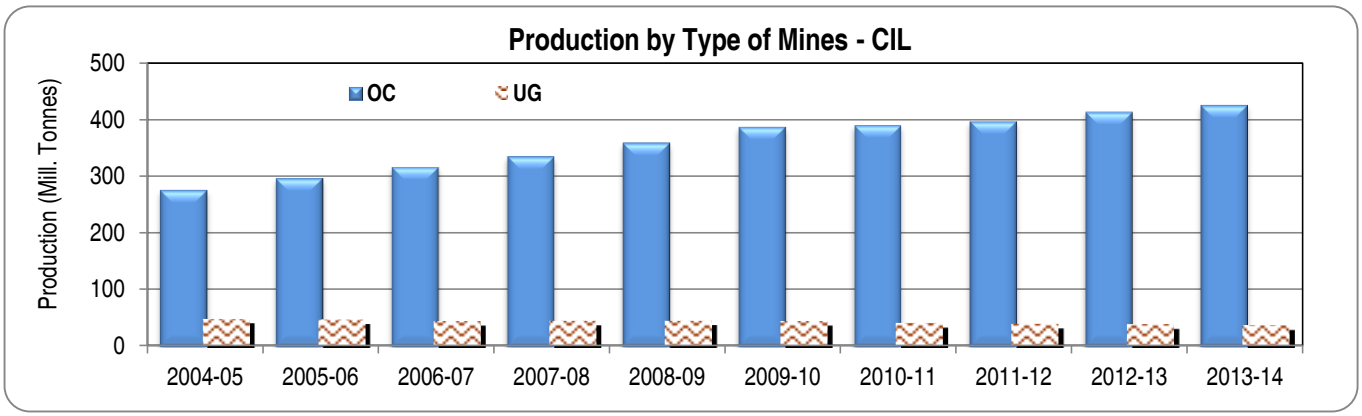
Note: (1) Meghalaya Coal has not been graded by Coal Controller. For Statistical purpose grade may be treated as "A" / "B" non-coking coal.

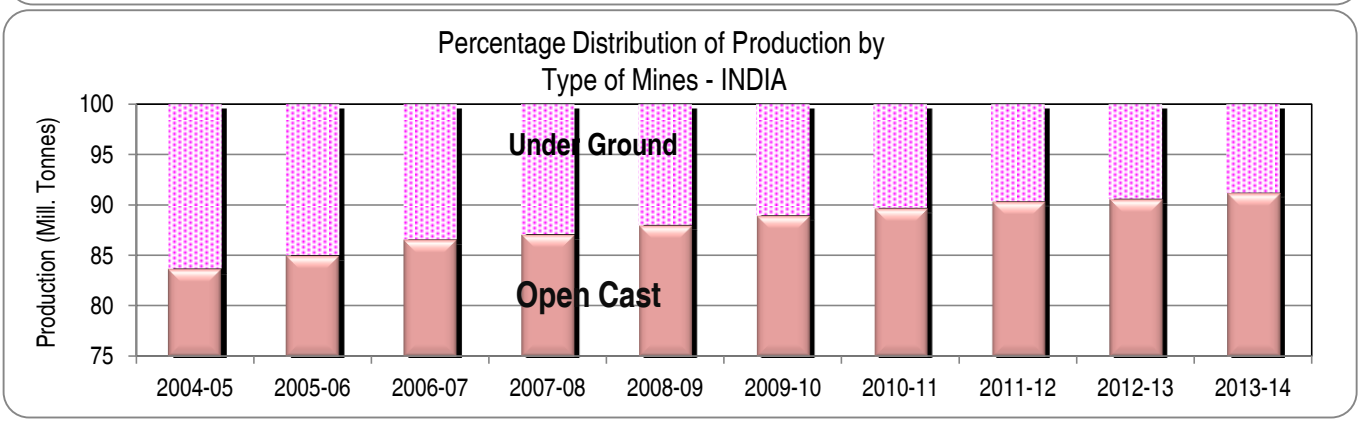
(2) For definition of grade please see page I.2

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)
2004-05	276.534	22.329	320.266	83.70	7.29	47.041	12.974	62.349	16.30	-0.64	382.615	5.92
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





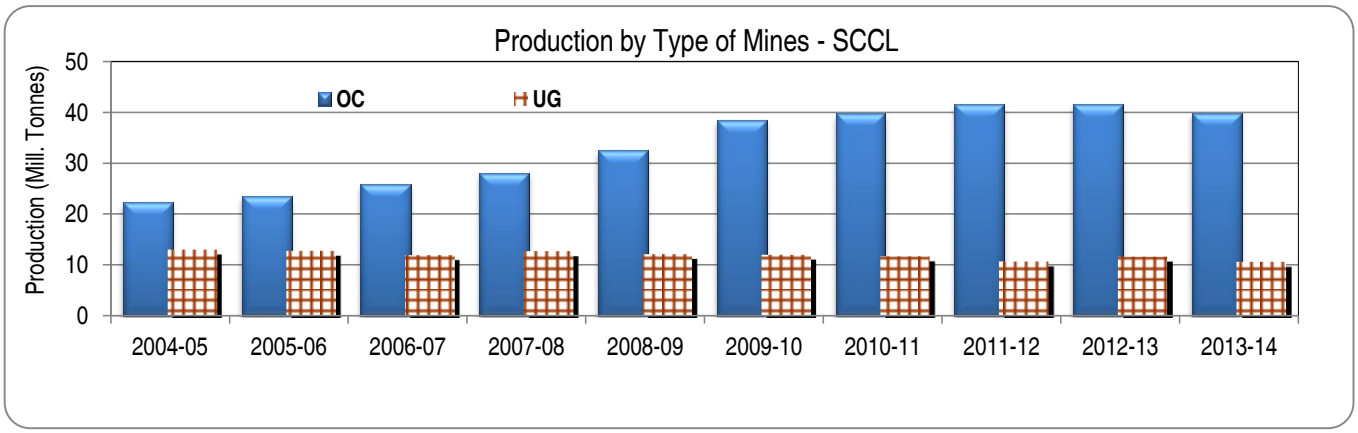


TABLE 3.17 : COMPANY WISE PRODUCTION OF RAW COAL FROM OPENCAST AND UNDER GROUND MINES IN TWO YEARS

(Quantity in Million Tonnes)

COMPANIES	Y E A R 2012 - 2013						Y E A R 2013 - 2014					
	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	27.052	79.80	14.02	6.849	20.20	0.23	29.176	80.94	7.85	6.871	19.06	0.32
BCCL	28.058	89.90	4.99	3.153	10.10	-9.45	29.908	91.71	6.59	2.704	8.29	-14.24
CCL	47.037	97.87	0.26	1.024	2.13	-6.06	49.066	98.09	4.31	0.956	1.91	-6.64
NCL	70.021	100.00	5.45				68.639	100.00	-1.97			
WCL	34.087	80.61	-1.82	8.200	19.39	-2.26	31.999	80.54	-6.13	7.730	19.46	-5.73
SECL	101.350	85.73	4.02	16.869	14.27	2.81	107.845	86.79	6.41	16.416	13.21	-2.69
MCL	106.216	98.44	5.23	1.679	1.56	-23.19	109.006	98.70	2.63	1.433	1.30	-14.65
NEC	0.602	99.50	0.67	0.003	0.50	-25.00	0.661	99.55	9.80	0.003	0.45	0.00
CIL	**414.423**	**91.65**	**4.27**	**37.777**	**8.35**	**-1.60**	**426.300**	**92.19**	**2.87**	**36.113**	**7.81**	**-4.40**
SCCL	41.593	78.20	0.05	11.597	21.80	9.01	39.921	79.10	-4.02	10.548	20.90	-9.05
JKML				0.019	100.00	-5.00				0.019	100.00	0.00
DVC	0.203	100.00	-38.11				0.054	100.00	-73.40			
IISCO	0.604	84.48	28.78	0.111	15.52	-13.95	0.433	69.61	-28.31	0.189	30.39	70.27
SAIL	0.102	100.00	155.00				0.069	100.00	-32.35			
JSMDCL			-100.00									
DVCEMTA	1.836	100.00	57.60				1.519	100.00	-17.27			
APMDTCL	0.073	100.00	-66.97									
RRVUNL	0.293						1.197	100.00	308.53			
WBMDTCL	0.348	100.00					0.726	100.00	108.62			
WBPDCL	3.266	100.00	0.62				2.606	100.00	-20.21			
PSEB-PANEM	6.926	100.00	-16.56				5.879	100.00	-15.12			
KECML	2.506	100.00	14.48				2.502	100.00	-0.16			
MPSMCL			-100.00				0.005	100.00	0.00			
PUBLIC	**472.173**	**90.51**	**3.70**	**49.504**	**9.49**	**0.66**	**481.211**	**91.12**	**1.91**	**46.869**	**8.88**	**-5.32**
TISCO	5.918	81.12	-0.95	1.377	18.88	-7.34	5.604	80.38	-5.31	1.368	19.62	-0.65
Meghalaya	5.640	100.00	-21.73				5.732	100.00	1.63			
ICML	3.129	100.00	-16.45				2.708	100.00	-13.45			
JSPL	5.999	100.00	0.02				5.999	100.00	0.00			
HIL	2.237	100.00					2.478	100.00	10.77			
MIEL				0.795	100.00	-6.58				0.919	100.00	15.60
BLA	0.300	100.00	0.33				0.300	100.00	0.00			
PIL	1.000	100.00	0.00				1.000	100.00	0.00			
JNL	0.200	41.67	0.00	0.280	58.33	0.00	0.166	37.22	-17.00	0.280	62.78	0.00
JPL	5.250	100.00	0.00				6.226	100.00	18.59			
SIL		0.00		0.248	100.00	55.00				0.148	100.00	-40.32
ESCL	0.096	96.97	-9.43	0.003	3.03		0.396	85.90	312.50	0.065	14.10	2066.67
UML	0.560	100.00	59.54				0.762	100.00	36.07			
SEML	0.976	100.00	26.10				1.165	100.00	19.36			
BSIL	0.062	100.00	1966.67				0.081	100.00	30.65			
TUML-SVSL	0.341	100.00	416.67				0.317	100.00	-7.04			
SPL	0.225	100.00					1.695	100.00	653.33			
SOVA	0.089	100.00					0.276	100.00	210.11			
GVK												
PRIVATE	**20.464**	**93.91**	**15.02**	**1.326**	**6.09**	**2.71**	**34.905**	**92.62**	**70.57**	**2.780**	**7.38**	**109.65**
India (13-14)	**492.637**	**90.65**	**4.13**	**50.830**	**9.35**	**0.71**	**516.116**	**91.22**	**4.77**	**49.649**	**8.78**	**-2.32**

Note: For Meghalaya it is 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 2013-14

(Quantity in Million Tonnes)

Type of Mine	OPENCAST						UNDER GROUND												Total Quantity
Technology:	Mechanised		Manual		Total OC		Conven. B & P		Mecha. B & P		Conven. LW		Mecha. LW		Other Methods		Total UG		
Company	Quan-tity	% of OC	Quan-tity	% of OC	Quan- tity	% of Tot	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of UG	Quan-tity	% of Tot	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
ECL	29.176	100.0			**29.176**	**80.9**	0.844	12.3	4.930	71.8					1.097	16.0	**6.871**	**19.1**	**36.047**
BCCL	29.908	100.0			**29.908**	**91.7**	0.045	1.7	2.533	93.7			0.000	0.0	0.126	4.7	**2.704**	**8.3**	**32.612**
CCL	48.695	99.2	0.371	0.8	**49.066**	**98.1**	0.512	53.6	0.444	46.4							**0.956**	**1.9**	**50.022**
NCL	68.639	100.0			**68.639**	**100.0**											**0**	**0.0**	**68.639**
WCL	31.999	100.0			**31.999**	**80.5**	0.167	2.2	7.526	97.4					0.037	0.5	**7.730**	**19.5**	**39.729**
SECL	107.845	100.0			**107.845**	**86.8**	0.138	0.8	14.577	88.8			0.002	0.0	1.699	10.3	**16.416**	**13.2**	**124.261**
MCL	109.006	100.0			**109.006**	**98.7**			1.433	100.0							**1.433**	**1.3**	**110.439**
NEC	0.661	100.0			**0.661**	**99.5**									0.003	100.0	**0.003**	**0.5**	**0.664**
CIL	**425.929**	**99.9**	**0.371**	**0.1**	**426.300**	**92.2**	**1.706**	**4.7**	**31.443**	**87.1**	**0.000**	**0.0**	**0.002**	**0.0**	**2.962**	**8.2**	**36.113**	**7.8**	**462.413**
SCCL	39.921	100.0			**39.921**	**79.1**	1.168	11.1	7.167	67.9			0.214	2.0	1.999	19.0	**10.548**	**20.9**	**50.469**
JKML					**0**	**0**	0.019	100.0									**0.019**	**100.0**	**0.019**
JSMDCL					**0**												**0**	**0**	**0**
DVC	0.054	100.0			**0.054**	**100.0**											**0**	**0**	**0.054**
DVC EMTA	1.519	100.0			**1.519**	**100.0**											**0**	**0**	**1.519**
IISCO	0.433	100.0			**0.433**	**69.6**	0.012	6.3			0.177	93.7					**0.189**	**30.4**	**0.622**
SAIL	0.069	100.0			**0.069**	**100.0**											**0**	**0**	**0.069**
APMDTCL																			**0.000**
WBMDTCL	0.726	100.0			**0.726**	**100.0**											**0**	**0**	**0.726**
WBPDCL	2.606	100.0			**2.606**	**100.0**											**0**	**0**	**2.606**
PSEB-PANEM	5.879	100.0			**5.879**	**100.0**											**0**	**0**	**5.879**
KECML	2.502	100.0			**2.502**	**100.0**											**0**	**0**	**2.502**
MPSMCL	0.005	100.0			**0.005**	**100.0**											**0**	**0**	**0.005**
RRVUNL	1.197	100.0			**1.197**	**100.0**											**0**	**0**	**1.197**
PUBLIC	**480.840**	**99.9**	**0.371**	**0.1**	**481.211**	**91.1**	**2.905**	**6.2**	**38.610**	**82.4**	**0.177**	**0.4**	**0.216**	**0.5**	**4.961**	**27.2**	**46.869**	**8.9**	**528.080**
TISCO	5.604	100.0			**5.604**	**80.4**	0.408	29.8	0.960	70.2							**1.368**	**19.6**	**6.972**
Meghalaya	5.732	100.0			**5.732**	**100.0**											**0**	**0**	**5.732**
ICML	2.708	100.0			**2.708**	**100.0**											**0**	**0**	**2.708**
JSPL	5.999	100.0			**5.999**	**100.0**											**0**	**0**	**5.999**
HIL	2.478	100.0			**2.478**	**100.0**											**0**	**0**	**2.478**
MIEL					**0**	**0.0**			0.919	100.0							**0.919**	**100.0**	**0.919**
BLA	0.300	100.0			**0.300**	**100.0**											**0**	**0**	**0.300**
CML					**0**												**0**	**0**	**0**
PIL	1.000	100.0			**1.000**	**100.0**											**0**	**0**	**1.000**
JNL	0.166	100.0			**0.166**	**37.2**			0.280	100.0							**0.280**	**62.8**	**0.446**
JPL	6.226	100.0			**6.226**	**100.0**											**0.000**	**0.0**	**6.226**
SIL					**0**				0.148	100.0							**0.148**	**100.0**	**0.148**
UML	0.762	100.0			**0.762**	**100.0**											**0**	**0**	**0.762**
ESCL	0.396	100.0			**0.396**	**85.9**			0.065	100.0							**0.065**	**14.1**	**0.461**
SEML	1.165	100.0			**1.165**	**100.0**											**0**	**0**	**1.165**
BSIL	0.081	100.0			**0.081**	**100.0**											**0**	**0**	**0.081**
TUML-SVSL	0.317	100.0			**0.317**	**100.0**											**0**	**0**	**0.317**
SPL	1.695	100.0			**1.695**	**100.0**											**0**	**0**	**1.695**
SOVA	0.276	100.0			**0.276**	**100.0**											**0**	**0**	**0.276**
GVK					**0**												**0**		**0.000**
PRIVATE	**34.905**	**100.0**	**0.000**	**0.0**	**34.905**	**92.6**	**0.408**	**14.7**	**2.372**	**85.3**	**0.000**	**0**	**0.000**	**0**	**0.000**	**0.0**	**2.780**	**100.0**	**37.685**
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**
India(12-13)	**503.784**	**99.9**	**0.411**	**0.1**	**504.195**	**90.6**	**4.023**	**7.7**	**42.119**	**80.7**	**0.097**	**0.2**	**0.603**	**1.2**	**5.365**	**10.3**	**52.207**	**9.4**	**556.402**
India(11-12)	**487.588**	**99.9**	**0.405**	**0.1**	**487.993**	**90.4**	**6.082**	**11.7**	**40.848**	**78.6**	**0**	**0.0**	**0.590**	**1.1**	**4.437**	**8.5**	**51.957**	**9.6**	**539.950**

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 2011 - 2012			YEAR 2012 - 2013			YEAR 2013 - 2014		
	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	60.306	23.725	2.54	76.448	27.052	2.83	85.757	29.176	2.94
BCCL	81.361	26.725	3.04	84.259	28.058	3.00	85.410	29.908	2.86
CCL	65.677	46.914	1.40	63.308	47.037	1.35	59.022	49.066	1.20
NCL	201.664	66.401	3.04	195.706	70.021	2.79	208.787	68.639	3.04
WCL	122.490	34.720	3.53	113.685	34.087	3.34	120.076	31.999	3.75
SECL	113.494	97.429	1.16	118.202	101.350	1.17	144.875	107.845	1.34
MCL	85.668	100.933	0.85	90.421	106.216	0.85	96.028	109.006	0.88
NEC	4.475	0.598	7.48	4.730	0.602	7.86	6.584	0.661	9.96
CIL	**735.135**	**397.445**	**1.85**	**746.759**	**414.423**	**1.80**	**806.539**	**426.300**	**1.89**
SCCL	211.325	41.573	5.08	175.841	41.593	4.23	168.776	39.921	4.23
JKML									
DVC	0.890	0.328	2.71	0.058	0.203	0.29	0.015	0.054	0.28
IISCO	4.025	0.469	8.58	2.988	0.604	4.95	1.540	0.433	3.56
SAIL	0.201	0.040	5.03	0.204	0.102	2.00	0.079	0.069	1.14
JSMDCL	0.153	0.118	1.30						
DVC EMTA	5.211	1.165	4.47	6.564	1.836	3.58	6.316	1.519	4.16
APMDTCL	2.181	0.221	9.87	2.181	0.073	29.88			
RRVUNL		0		3.908	0.293	13.34	4.924	1.197	4.11
WBMDTCL		0		2.921	0.348	8.39	2.879	0.726	3.97
WBPDCL	10.871	2.814	3.86	14.325	3.266	4.39	13.323	2.606	5.11
PSEB-PANEM	13.320	8.301	1.60	13.420	6.926	1.94	21.877	5.879	3.72
KECML	5.543	2.189	2.53	8.575	2.506	3.42	8.716	2.502	3.48
MPSMCL							1.746	0.005	349.20
PUBLIC	**988.855**	**441.575**	**2.24**	**977.744**	**472.173**	**2.07**	**1036.730**	**481.211**	**2.15**
TISCO	26.597	5.975	4.45	25.795	5.918	4.36	22.242	5.604	3.97
Meghalaya		7.206			5.640	0.00		5.732	0.00
ICML	10.511	3.745	2.81	9.117	3.129	2.91	8.172	2.708	3.02
JSPL	9.072	5.998	1.51	7.996	5.999	1.33	8.778	5.999	1.46
HIL	0.764	2.357	0.32	1.712	2.237	0.77	2.168	2.478	0.87
MIEL									
BLA	2.612	0.299	8.74	1.621	0.300	5.40	1.440	0.300	4.80
CML								0.000	
PIL	5.000	1.000	5.00	8.075	1.000	8.08	7.994	1.000	7.99
JNL	0.756	0.200	3.78	0.520	0.200	2.60	0.861	0.166	5.19
JPL	12.865	5.250	2.45	11.943	5.250	2.27	12.347	6.226	1.98
SIL								0.000	
UML	3.996	0.351	11.38	5.061	0.560	9.04	8.256	0.762	10.83
ESCL	3.996	0.106	37.70	2.587	0.096	26.95	4.092	0.396	10.33
SEML	2.303	0.774	2.98	2.295	0.976	2.35	2.138	1.165	1.84
BSIL	0.024	0.003	8.00	0.488	0.062	7.87	0.488	0.081	6.02
TUML-SVSL	0.127	0.066	1.92	1.367	0.341	4.01	0.916	0.317	2.89
SPL				2.119	0.225	9.42	19.927	1.695	11.76
SOVA				0.434	0.089	4.88	1.148	0.276	4.16
GVK									
PRIVATE	**78.623**	**33.330**	**3.01**	**81.130**	**32.022**	**3.08**	**100.967**	**34.905**	**3.46**
INDIA	**1067.478**	**474.905**	**2.28**	**1058.874**	**504.195**	**2.12**	**1137.697**	**516.116**	**2.23**

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

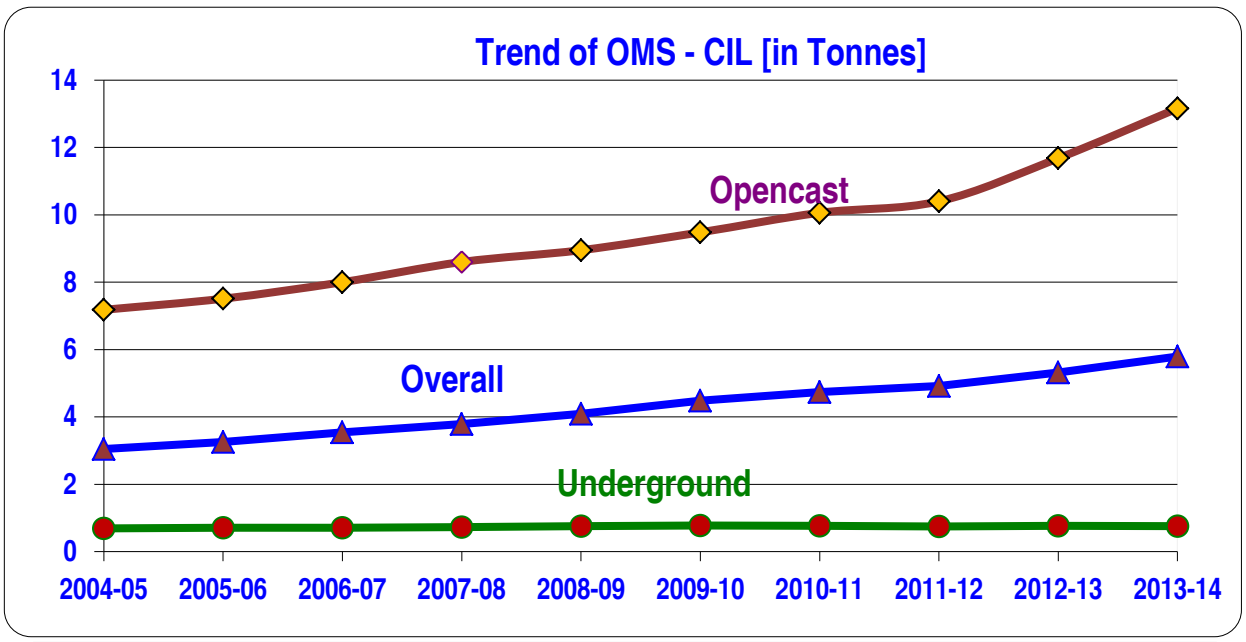
(2) Meghalaya OBR figures are not known and not reported.

(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)
2004-05	7.18	8.83	0.69	0.85	3.05	1.62
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



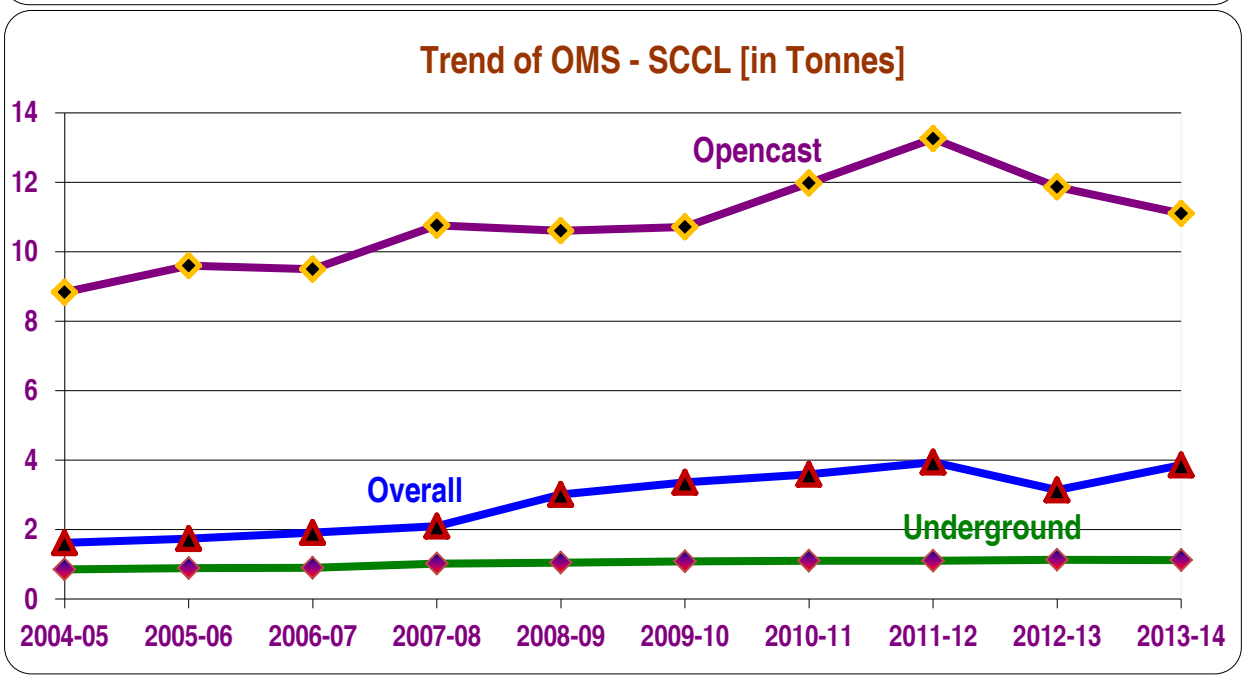


TABLE 3.21 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2011-2012			2012-2013			2013-2014		
		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	23.725	2.746	8.64	27.052	2.660	10.17	29.176	2.662	11.30
BCCL	OC	26.725	4.067	6.57	28.058	3.376	8.31	29.908	3.190	9.38
CCL	OC	46.914	7.021	5.79	47.037	7.720	6.09	49.066	6.886	6.26
NCL	OC	66.401	4.900	13.55	70.021	4.351	13.65	68.639	4.450	13.78
WCL	OC	34.720	8.227	4.22	34.087	6.778	5.03	31.999	6.228	5.14
SECL	OC	97.429	5.698	19.32	101.350	5.263	19.26	107.845	5.028	19.26
MCL	OC	100.933	4.936	20.38	106.216	4.946	21.34	109.006	3.523	22.16
NEC	OC	0.598	0.310	3.79	0.602	0.341	1.76	0.661	0.315	2.10
CIL	**OC**	**397.445**	**37.905**	**10.40**	**414.423**	**35.435**	**11.68**	**426.300**	**32.282**	**13.16**
SCCL	**OC**	**41.573**	**2.520**	**13.26**	**41.593**	**2.714**	**11.87**	**39.921**	**2.662**	**11.10**
ECL	UG	6.833	15.454	0.44	6.849	14.780	0.46	6.871	14.304	0.48
BCCL	UG	3.482	9.672	0.36	3.153	9.073	0.35	2.704	8.654	0.31
CCL	UG	1.090	3.353	0.32	1.024	3.150	0.33	0.956	2.931	0.33
NCL	UG									
WCL	UG	8.390	7.769	1.08	8.200	7.472	1.10	7.730	7.200	1.07
SECL	UG	16.408	11.823	1.30	16.869	12.322	1.37	16.416	12.155	1.37
MCL	UG	2.186	1.758	1.24	1.679	1.726	0.97	1.433	1.726	0.84
NEC	UG	0.004	0.333	0.01	0.003	0.305	0.01	0.003	0.279	0.01
CIL	**UG**	**38.393**	**50.162**	**0.75**	**37.777**	**48.828**	**0.77**	**36.113**	**47.249**	**0.76**
SCCL	**UG**	**10.638**	**9.407**	**1.10**	**11.597**	**9.831**	**1.13**	**10.548**	**9.831**	**1.12**
ECL	ALL	30.558	18.200	1.68	33.901	17.440	1.94	36.047	16.966	2.13
BCCL	ALL	30.207	13.739	2.20	31.211	12.449	2.50	32.612	11.844	2.74
CCL	ALL	48.004	10.374	4.19	48.061	10.870	4.42	50.022	9.817	4.64
NCL	ALL	66.401	4.900	13.55	70.021	4.351	13.65	68.639	4.450	13.78
WCL	ALL	43.110	15.996	2.70	42.287	14.250	2.97	39.729	13.428	2.96
SECL	ALL	113.837	17.521	6.44	118.219	17.585	6.72	124.261	17.183	6.72
MCL	ALL	103.119	6.694	15.36	107.895	6.672	16.07	110.439	5.249	16.69
NEC	ALL	0.602	0.643	1.23	0.605	0.646	0.94	0.664	0.594	1.12
CIL	**ALL**	**435.838**	**88.067**	**4.92**	**452.200**	**84.263**	**5.32**	**462.413**	**79.531**	**5.79**
SCCL	**ALL**	**52.211**	**11.927**	**3.94**	**53.190**	**12.545**	**3.14**	**50.469**	**12.493**	**3.86**

* Reported by SCCL.

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

(Quantity in Million Tonnes)

STATES	Production (2011-2012)			Production (2012-2013)			Production (2013-2014)		
	OC	UG	**TOTAL**	OC	UG	**TOTAL**	OC	UG	**TOTAL**
(1)	(2)	(3)	**(4)**	(5)	(6)	**(7)**	(8)	(9)	**(10)**
ANDHRA PRADESH	41.573	10.638	**52.211**	41.593	11.597	**53.190**	39.921	10.548	**50.469**
ARUNACHAL PRADESH	0.221		**0.221**	0.073		**0.073**	0.000		**0.000**
ASSAM	0.598	0.004	**0.602**	0.602	0.003	**0.605**	0.661	0.003	**0.664**
CHHATTISGARH	103.616	10.342	**113.958**	107.467	10.363	**117.830**	116.858	10.237	**127.095**
JAMMU & KASHMIR		0.020	**0.020**		0.019	**0.019**		0.019	**0.019**
JHARKHAND	102.947	6.619	**109.566**	105.168	6.106	**111.274**	107.325	5.766	**113.091**
MADHYA PRADESH	58.957	12.166	**71.123**	63.534	12.414	**75.948**	63.609	11.981	**75.590**
MAHARASHTRA	35.578	3.581	**39.159**	35.519	3.615	**39.134**	33.948	3.275	**37.223**
MEGHALAYA	7.206		**7.206**	5.640		**5.640**	5.732		**5.732**
ODISHA	103.290	2.186	**105.476**	108.453	1.679	**110.132**	111.484	1.433	**112.917**
UTTAR PRADESH	16.178		**16.178**	16.090		**16.090**	14.721		**14.721**
WEST BENGAL	17.829	6.401	**24.230**	20.056	6.411	**26.467**	21.857	6.387	**28.244**
ALL INDIA	**487.993**	**51.957**	**539.950**	**504.195**	**52.207**	**556.402**	**516.116**	**49.649**	**565.765**

TABLE 3.23 : CAPTIVE BLOCK WISE PRODUCTION OF RAW COAL DURING 2013-14

(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	Chhittsgarh		1.197	**1.197**
Tasra	SAIL/IISCO	Jharkhand	0.044	0.025	**0.069**
Panchwara North	WBPDCL	Jharkhand		0.095	**0.095**
Pachwara Central	PSEB	Jharkhand		5.879	**5.879**
Amelia North	MPSMCL	Madhya Pradesh		0.005	**0.005**
Baranj I-IV, Kiloni,Manora Deep	KECML	Maharashtra		2.502	**2.502**
Barjora North	DVCEMTA	West Bengal		1.519	**1.519**
Trans Damodar	WBMDTCL	West Bengal		0.726	**0.726**
Tara East & West	WBPDCL	West Bengal		2.294	**2.294**
Barjore	WBPDCL	West Bengal		0.036	**0.036**
Gangaramchak & Bhadulia	WBPDCL	West Bengal		0.181	**0.181**
Total Public			**0.044**	**14.459**	**14.503**
Chotia	PIL	Chhittsgarh		1.000	**1.000**
Gare Palma IV/1	JSPL	Chhittsgarh		5.999	**5.999**
Gare Palma IV/2&3	JPL	Chhittsgarh		6.226	**6.226**
Gare Palma IV/4	JNL	Chhittsgarh		0.446	**0.446**
Gare Palma IV/5	MIEL	Chhittsgarh		0.919	**0.919**
Gare Palma IV/7	SEML	Chhittsgarh		1.165	**1.165**
Kathautia	UML	Jharkhand		0.762	**0.762**
Parbatpur Central	ESCL	Jharkhand	0.410	0.051	**0.461**
Gotitoria E & W	BLA	Madhya Pradesh		0.300	**0.300**
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		1.695	**1.695**
Belgaon	SIL	Maharashtra		0.148	**0.148**
Marki Mangli I	BSIL	Maharashtra		0.081	**0.081**
Marki Mangli II-IV	TUML-SVSL	Maharashtra		0.317	**0.317**
Talabira I	HIL	Odisha		2.478	**2.478**
Ardhagram	SOVA	West Bengal		0.276	**0.276**
Sarshatali	ICML	West Bengal		2.708	**2.708**
Total Private			**0.410**	**24.571**	**24.981**
Grand Total			**0.454**	**39.030**	**39.484**

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 2013-14 was 572.060 MT, 0.87% more than the previous year.

4.1.2 Statement 4.1 shows despatch as well as off-take of raw coal in 2013-14 by different companies.

Statement 4.1 Despatches / Off-take of Raw Coal in India in 2013-14 by Company [MT]

Company	Raw Coal	
	Despatches	Off-take
ECL	35.974	36.250
BCCL	34.048	34.128
CCL	52.121	52.124
NCL	71.892	71.892
WCL	39.939	39.945
SECL	122.013	122.027
MCL	114.342	114.347
NEC	0.577	0.577
CIL	**470.916**	**471.290**
SCCL	47.892	47.942
Other Public	15.145	15.143
Total Public	**533.951**	**534.375**
Total Private	**38.109**	**38.110**
ALL INDIA	**572.060**	**572.485**

It can be seen that the Coal India Ltd. accounted for 82.32% of coal despatches in the country. The share of SCCL in the coal despatches was 8.37% and the contribution of private sector was 6.66%. In the CIL group, the major contributors were SECL, MCL and NCL with share of 21.31%, 19.97% and 12.56% respectively at all India level. These companies collectively accounted for 53.84% of the raw coal despatches at all India level.

4.1.3 Statement 4.1 shows that the difference between the despatches and the off-takes was marginal (0.425 MT) and both followed the same trend.

4.1.4 Statement 4.2 depicts the Despatches as well as Off-take of Washed Coal in India in 2013-14 by different Companies which was 22.099 MT. It is observed that the private sector accounted for 35.30% of the total washed Coal despatches/ off take. In case of Raw Coal, the corresponding figure was 6.66% only.

Statement 4.2: Despatches / Off-take of Washed Coal in India in 2013-14 by Company [MT]

Company	Washed Coal	
	Despatches	Off-take
BCCL	0.977	0.977
CCL	8.060	8.060
NCL	3.779	3.779
WCL	.118	.118
CIL	**12.934**	**12.934**
IISCO	0.409	0.409
Total Public	**14.296**	**14.296**
Total Private	**7.803**	**7.803**
ALL INDIA	**22.099**	**22.099**

4.1.5 In case of Middling (Table 4.9), 10.587 MT of Middling was reported as dispatched by various companies. The share of private companies was reported to be 71.36% against the corresponding figure of 28.64% for the public sector companies.

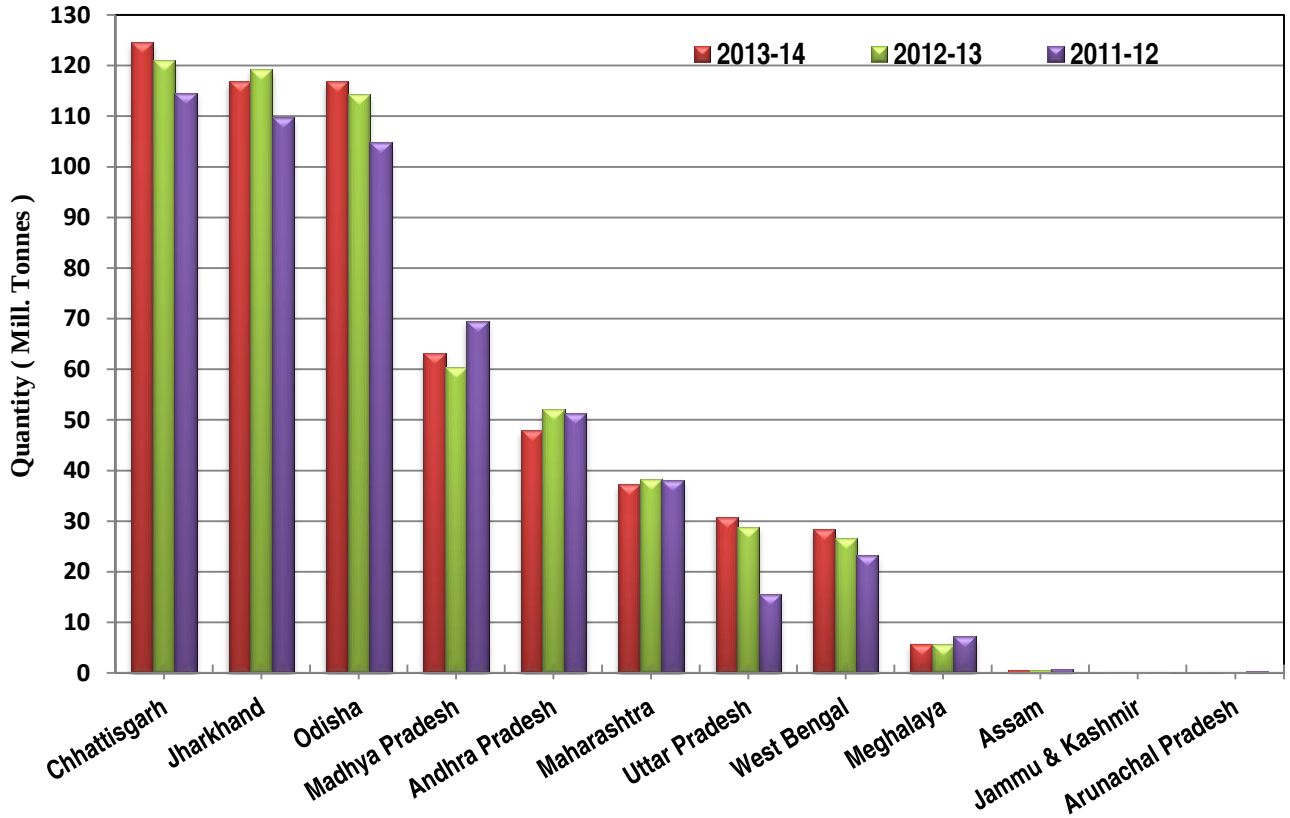
4.1.6 Statement 4.3 (Table 4.18) provides details on despatch/Off-take of Raw Coal in India in 2013-14 by different sectors of economy. Analysis of total off-take by different sector shows that power sector accounted for 78.42% of Raw Coal Off-take (Power Utilities: 68.92%; Captive Power: 9.50%). The share of Steel, Cement and Sponge Iron was reported to be 2.82%, 2.08%, 3.23% 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 2013-14 by Sector [MT]	
Sector	Despatch/Off-take [MT]
Power (Utility)	394.529
Power (Captive)	54.423
Metallurgical Use (Steel)	
Direct Feed	0.445
Steel (Coke Oven Plants & Cokeries)	15.042
Steel Boilers	0.688
Cement	11.936
Fertilizers	2.288
Sponge Iron	18.493
Other basic-Metal	0.738
Chemical	0.351
Pulp & Paper	1.906
Textiles &Rayons	0.360
Bricks	4.007
Others	66.854
Total Despatches	**572.060**
Colliery Own - Consumption	0.415
Colliery Staff	0.010
Total Off-take	**572.485**

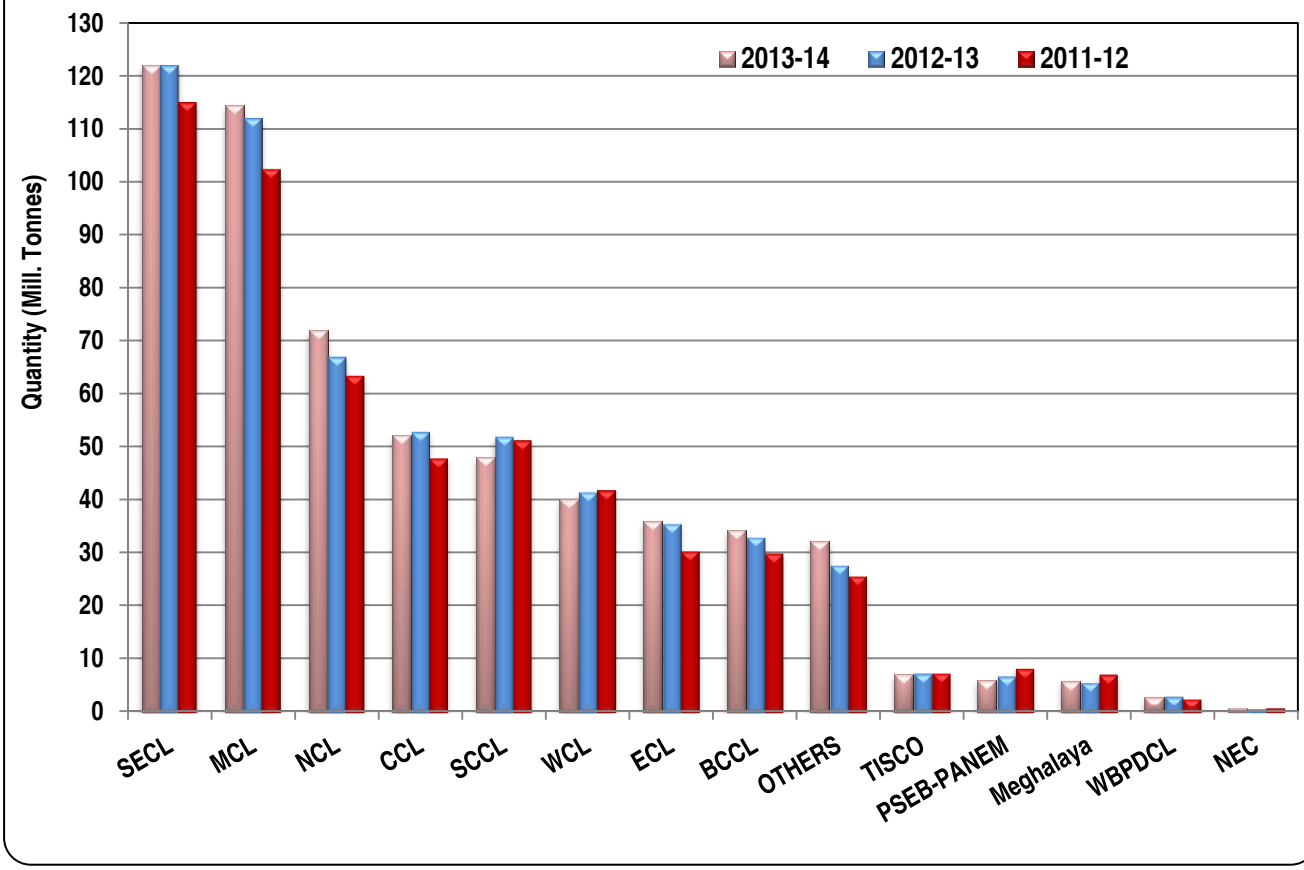
Statement 4.4: Despatch/ Off-take of Lignite in India in 2013-14 by Sector [MT]	
Sector	Despatch/ Off-take [MT]
Power (Utility)	24.783
Power (Captive)	11.553
Cement	1.489
Chemical	0.163
Pulp & Paper	1.290
Textiles & Rayons	0.733
Bricks	1.003
Other	2.850
Total Despatches	43.897

4.2.1 The despatch as well as off-take of Lignite in 2013-14 was 43.897 MT. From the statement 4.4 it is observed that power sector has taken the lion share of 82.78% of the total off-take of lignite in the current year 2013-14. This has been followed by Cement (3.39%) and bricks (2.28%). 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 differant States during last 3 years



Ch. 4.2 : Despatches of Raw Coal from different companies during last 3 years



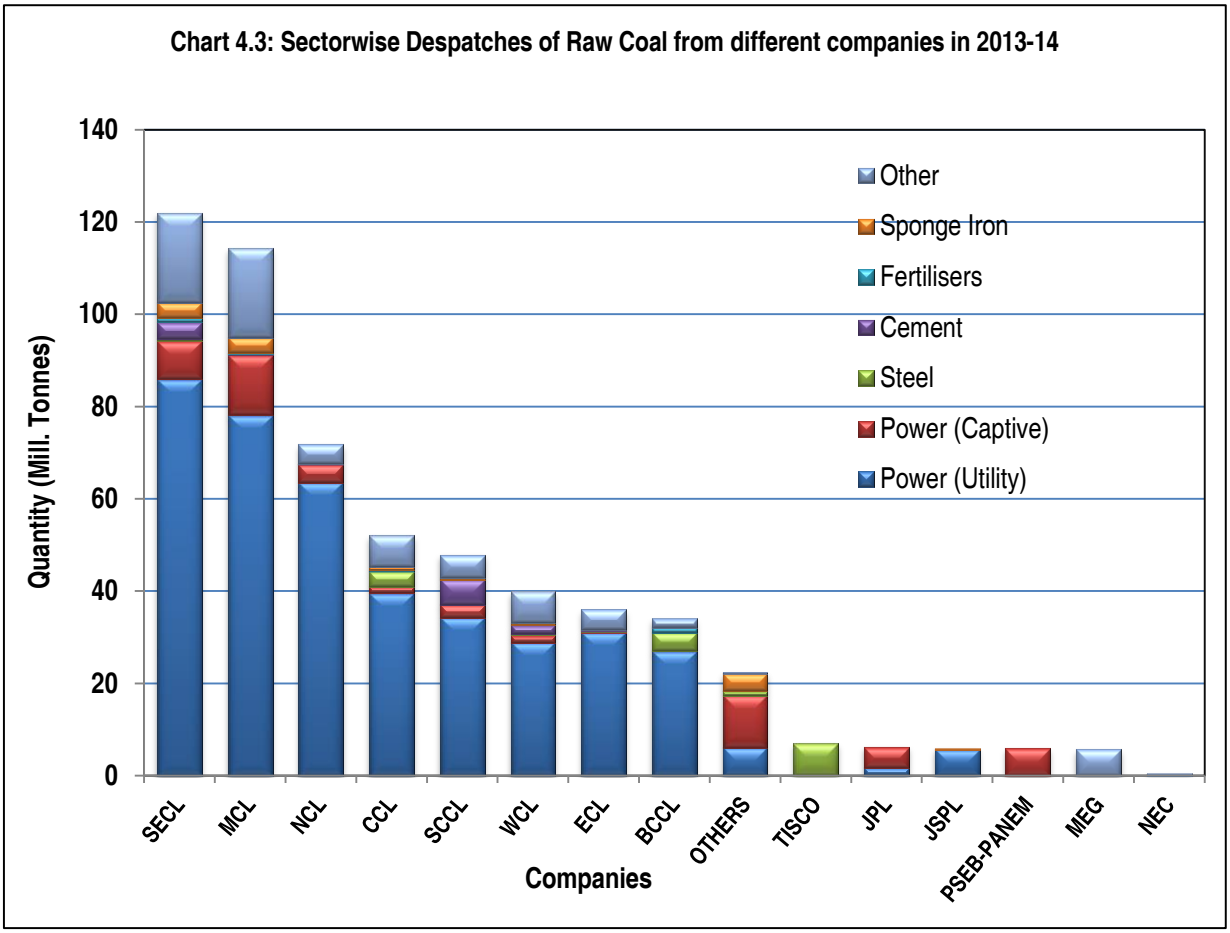


Chart 4.3: Sectorwise Despatches of Raw Coal from different companies in 2013-14
Quantity (Mill. Tonnes)
140
120
100
80
60
40
20
0
Other
Sponge Iron
Fertilisers
Cement
Steel
Power (Captive)
Power (Utility)
SECL
MCL
NCL
CCL
SCCL
WCL
ECL
BCCL
OTHERS
TISCO
JPL
JSPL
PSEB-PANEM
MEG
NEC
Companies

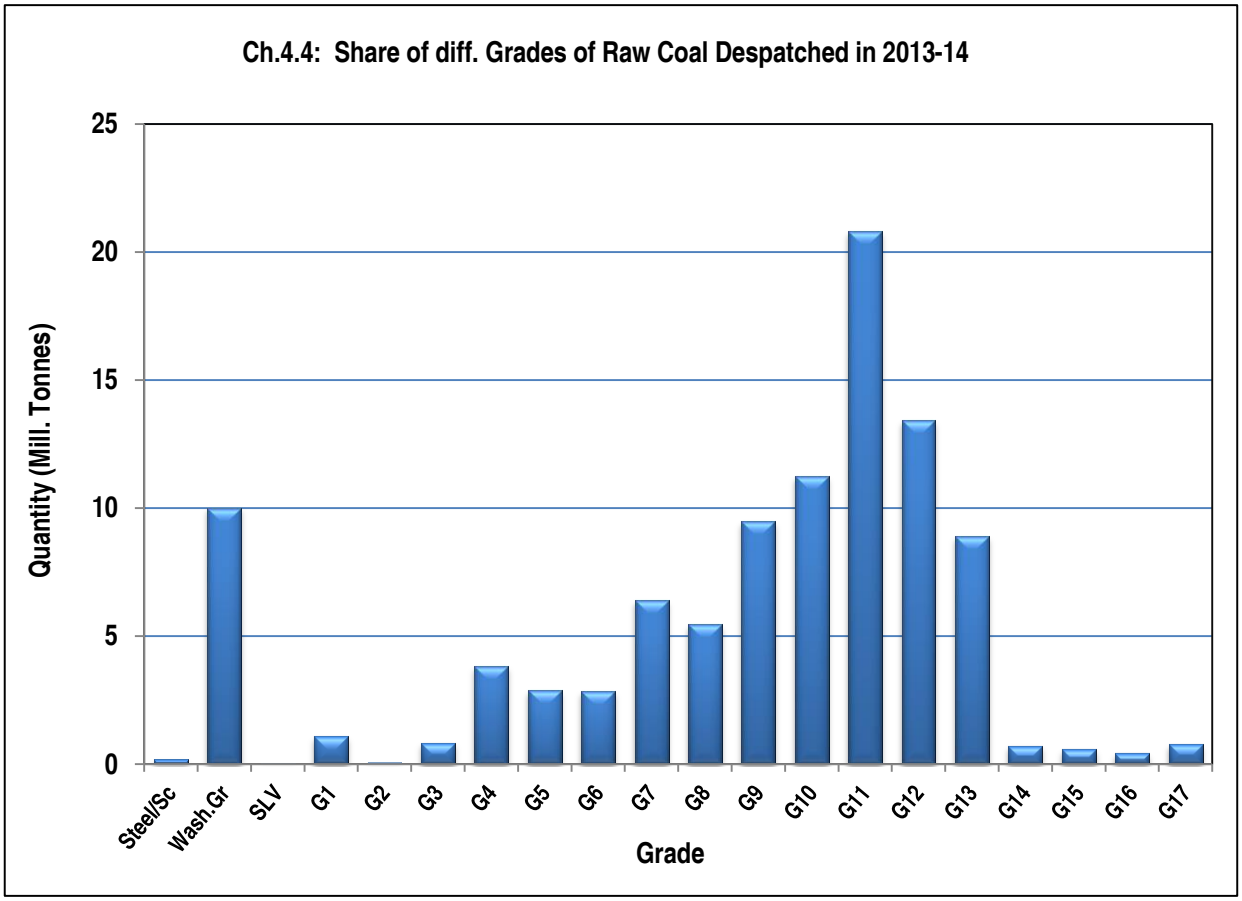
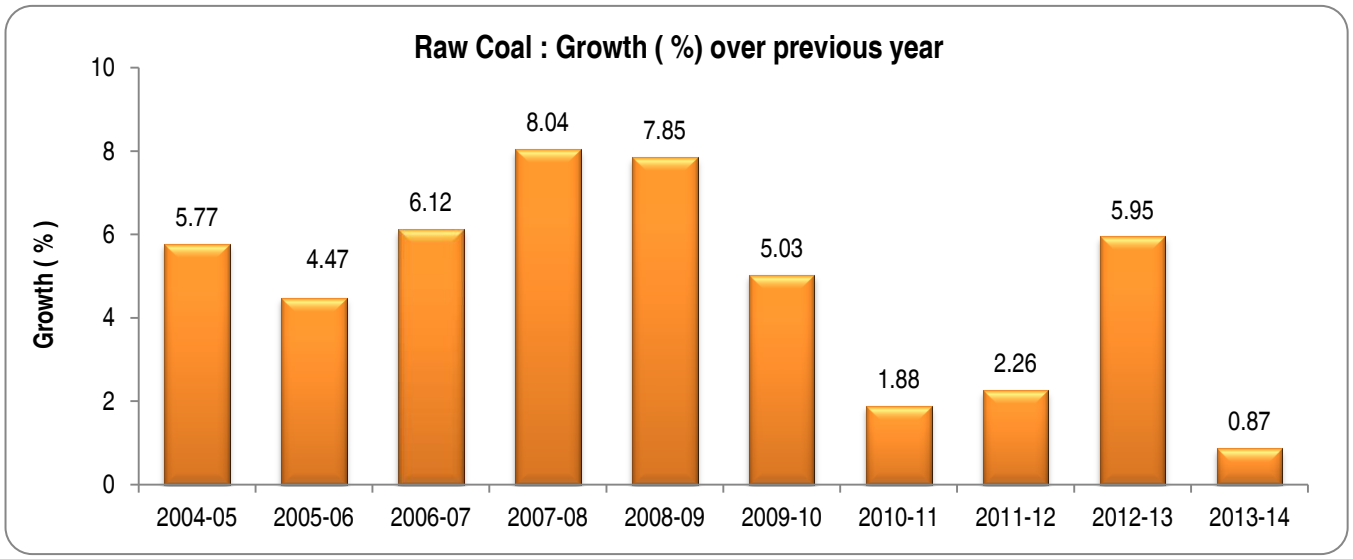

Ch.4.4: Share of diff. Grades of Raw Coal Despatched in 2013-14
Quantity (Mill. Tonnes)
25
20
15
10
5
0
Steel/Sc
Wash.Gr
SLV
G1
G2
G3
G4
G5
G6
G7
G8
G9
G10
G11
G12
G13
G14
G15
G16
G17
Grade

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)
2004-05	378.658	92.64	5.77	30.087	7.36	5.62	408.745	5.76
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



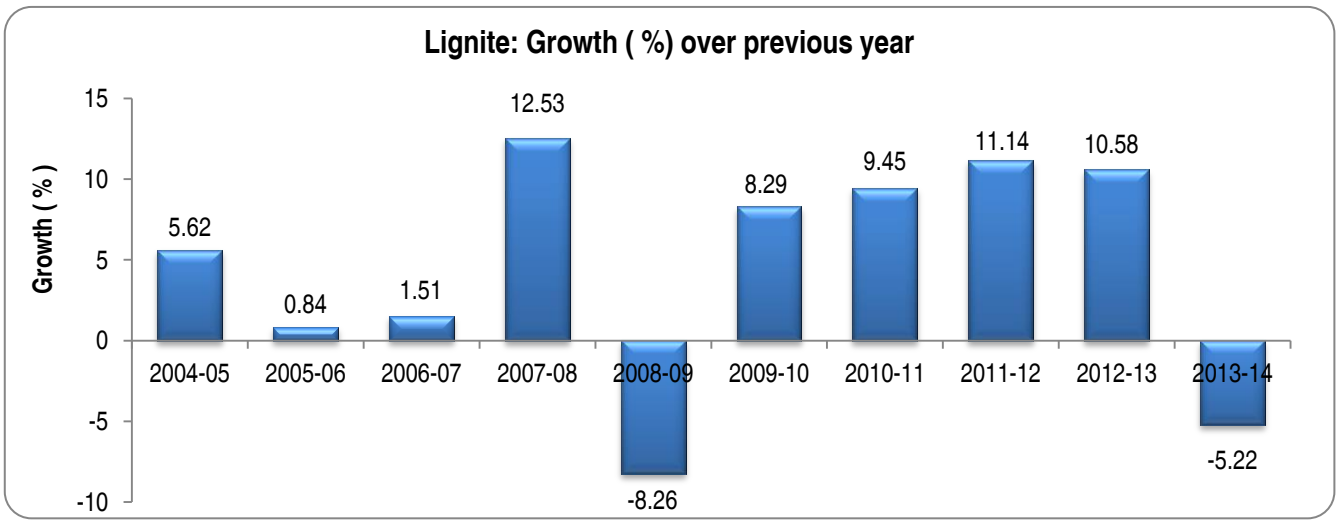
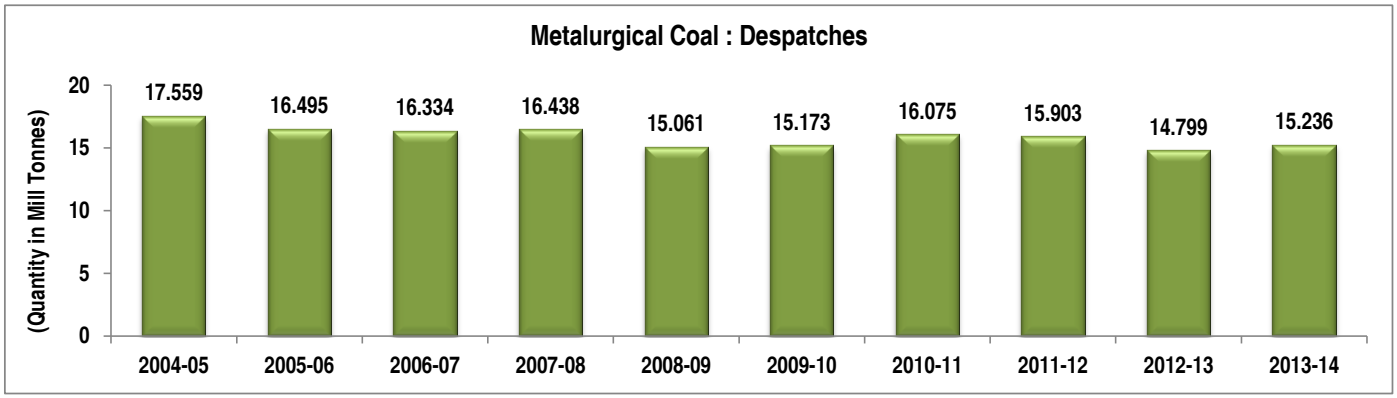
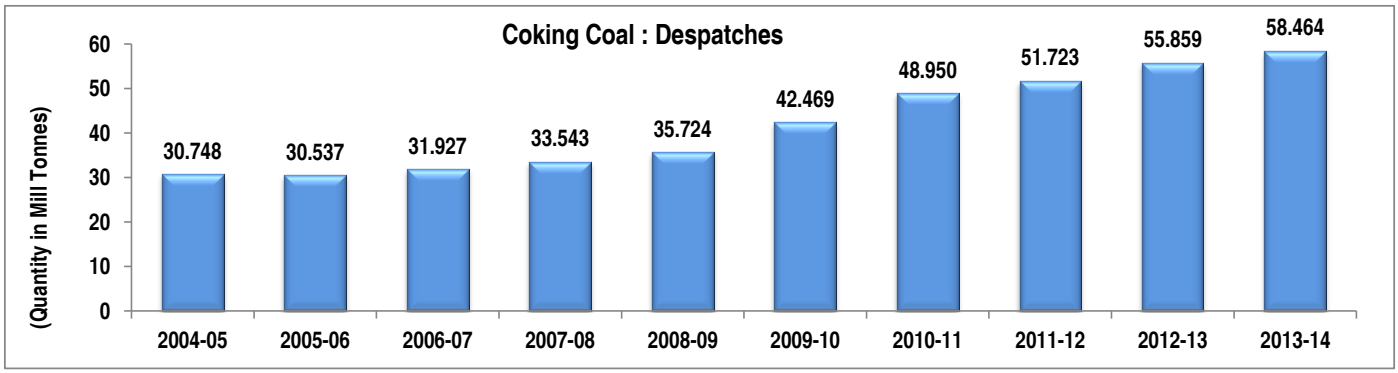


TABLE 4.2: TREND OF DESPATCHES OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal							
	Despatches	Share in in coking coal(%)	Change over previous year (%)	Despatches	Share in in coking coal(%)	Change over previous year (%)	Despatches	Share in in coking coal(%)	Change over previous year (%)	Despatches	Share in in coking coal(%)	Change over previous year (%)	Despatches	Change over previous year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2004-05	17.559	57.11	5.50	13.189	42.89	-7.45	30.748	8.12	-0.47	347.910	91.88	6.36	378.658	5.77
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





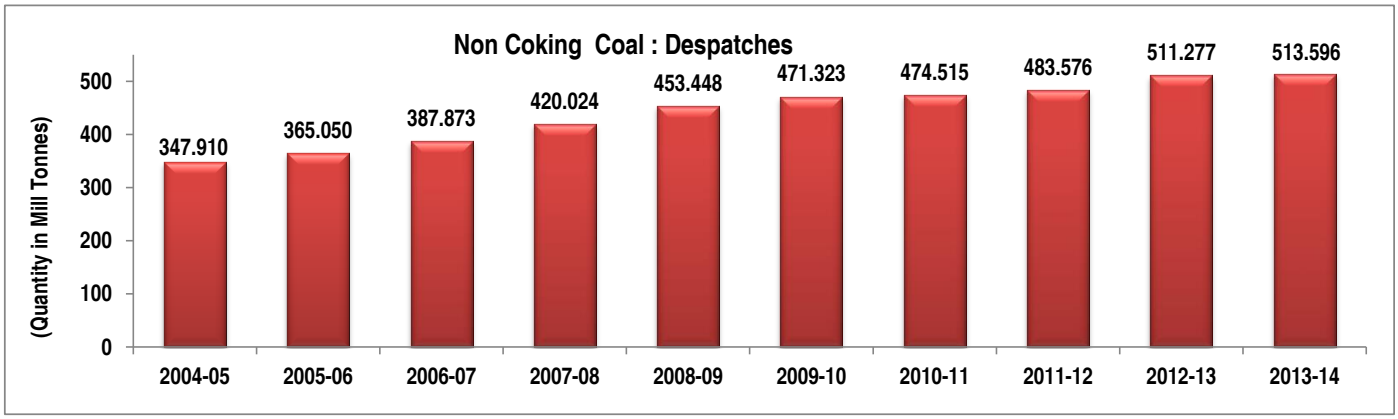
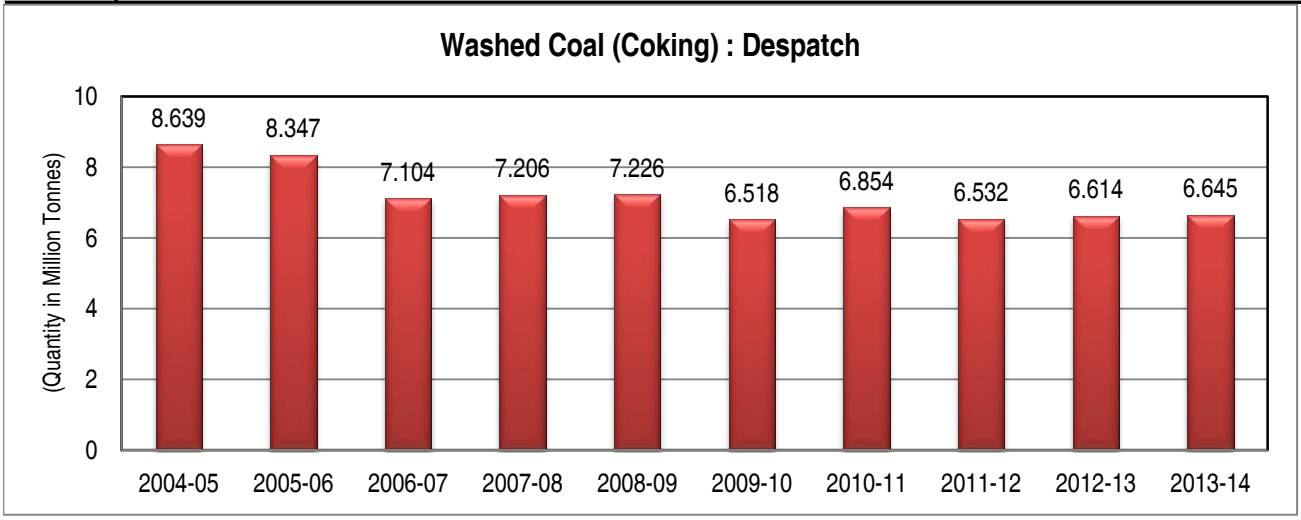
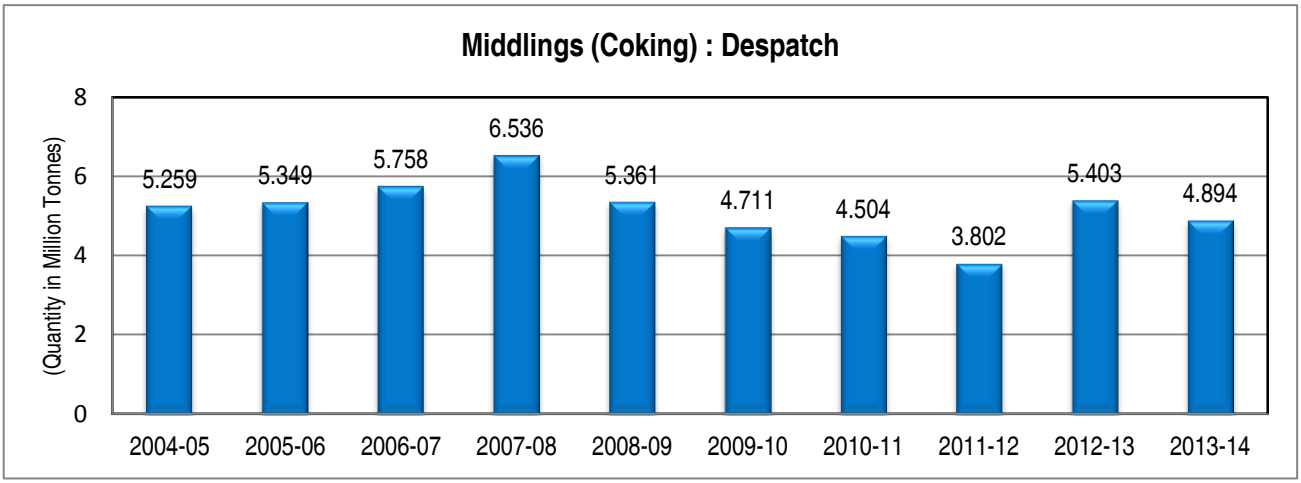


TABLE 4.3: TREND OF DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS

(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)
2004-05	8.639	4.98	10.675	22.98	5.259	7.15	1.803	75.39	12.251	-5.13
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





Note: 1. All the above figures of Washed Coal & Middling relate to coal companies[won 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 DIFFERANT 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)
2011-12												
April - June	12.692	6.6	24.5	119.779	4.9	24.8	132.471	5.0	24.7	10.790	8.0	25.8
July - Sept.	12.298	3.9	23.8	104.538	-4.4	21.6	116.836	-3.6	21.8	8.629	4.2	20.6
Oct. - Dec.	12.438	1.7	24.0	123.087	-0.4	25.5	135.525	-0.2	25.3	9.843	18.1	23.5
Jan. - Mar.	14.295	10.2	27.6	136.172	6.8	28.2	150.467	7.1	28.1	12.621	13.9	30.1
TOTAL	**51.723**	**5.7**	**100.0**	**483.576**	**1.9**	**100.0**	**535.299**	**2.3**	**100.0**	**41.883**	**11.1**	**100.0**
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	12.7	24.5	126.400	5.5	24.6	140.706	6.2	24.6	12.375	14.7	28.2
July - Sept.	14.472	17.7	24.8	116.365	11.3	22.7	130.837	12.0	22.9	9.270	7.4	21.1
Oct. - Dec.	13.950	12.2	23.9	128.151	4.1	25.0	142.101	4.9	24.8	9.606	-2.4	21.9
Jan. - Mar.	15.736	10.1	26.9	142.680	4.8	27.8	158.416	5.3	27.7	12.646	0.2	28.8
TOTAL	**58.464**	**13.0**	**100.0**	**513.596**	**6.2**	**100.0**	**572.060**	**6.9**	**100.0**	**43.897**	**4.8**	**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.

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TABLE 4.4 :QUARTERLY DESPATCHES OF DIFFERANT 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)
2011-12															
April - June	1.605	-8.1	24.6	4.023	20.6	25.5	0.994	-13.1	26.1	0.788	-4.3	22.2	3.095	1.2	25.1
July - Sept.	1.589	-8.5	24.3	3.443	-3.0	21.9	0.990	-4.7	26.0	0.738	-14.7	20.8	3.053	-0.2	24.7
Oct. - Dec.	1.595	-4.7	24.4	4.203	12.7	26.7	0.880	-21.0	23.1	0.945	-10.1	26.7	3.116	-4.3	25.3
Jan. - Mar.	1.743	2.7	26.7	4.082	4.1	25.9	0.938	-22.3	24.7	1.074	2.2	30.3	3.076	-3.1	24.9
TOTAL	**6.532**	**-4.7**	**100.0**	**15.751**	**8.4**	**100.0**	**3.802**	**-15.6**	**100.0**	**3.545**	**-6.5**	**100.0**	**12.340**	**-1.6**	**100.0**
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	5.6	25.5	4.329	7.6	28.0	1.313	32.1	26.8	0.992	25.9	25.7	3.072	-0.7	24.2
July - Sept.	1.677	5.5	25.2	3.828	11.2	24.8	1.205	21.7	24.6	0.748	1.4	19.4	3.304	8.2	26.0
Oct. - Dec.	1.643	3.0	24.7	3.760	-10.5	24.3	1.160	31.8	23.7	1.137	20.3	29.5	3.181	2.1	25.0
Jan. - Mar.	1.630	-6.5	24.5	3.537	-13.4	22.9	1.216	29.6	24.8	0.977	-9.0	25.4	3.150	2.4	24.8
TOTAL	**6.645**	**1.7**	**100.0**	**15.454**	**-1.9**	**100.0**	**4.894**	**28.7**	**100.0**	**3.854**	**8.7**	**100.0**	**12.707**	**3.0**	**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.

(3) All the above figures of Washed Coal & Middling relate to coal companies[won 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 2013-14
(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-13	4.686	-4.0	8.02	43.958	4.6	8.56	48.644	3.7	8.50	4.301	-2.7	9.80
May-13	4.874	4.2	8.34	41.740	-3.6	8.13	46.614	-2.8	8.15	4.456	10.7	10.15
Jun-13	4.746	5.2	8.12	40.702	1.4	7.92	45.448	1.8	7.94	3.618	-4.4	8.24
1st Quarter	**14.306**	**1.7**	**24.47**	**126.400**	**0.8**	**24.61**	**140.706**	**0.9**	**24.60**	**12.375**	**1.2**	**28.19**
Jul-13	5.170	16.9	8.84	40.303	2.4	7.85	45.473	3.9	7.95	3.206	-13.3	7.30
Aug-13	4.717	6.4	8.07	37.193	3.4	7.24	41.910	3.7	7.33	2.923	-16.0	6.66
Sep-13	4.585	10.2	7.84	38.869	8.7	7.57	43.454	8.8	7.60	3.141	-1.3	7.16
2nd Quarter	**14.472**	**11.2**	**24.75**	**116.365**	**4.8**	**22.66**	**130.837**	**5.4**	**22.87**	**9.270**	**-10.5**	**21.12**
Oct-13	4.171	-7.7	7.13	38.588	-10.3	7.51	42.759	-10.1	7.47	2.999	-10.0	6.83
Nov-13	4.687	3.2	8.02	42.552	0.6	8.29	47.239	0.8	8.26	2.874	-15.2	6.55
Dec-13	5.092	1.6	8.71	47.011	1.4	9.15	52.103	1.4	9.11	3.733	-9.1	8.50
3rd Quarter	**13.950**	**-0.9**	**23.86**	**128.151**	**-2.7**	**24.95**	**142.101**	**-2.5**	**24.84**	**9.606**	**-11.3**	**21.88**
Jan-14	5.399	8.4	9.23	48.613	0.2	9.47	54.012	0.9	9.44	4.438	3.9	10.11
Feb-14	4.894	10.0	8.37	44.326	1.2	8.63	49.220	2.0	8.60	3.849	-4.3	8.77
Mar-14	5.443	3.2	9.31	49.741	-1.9	9.68	55.184	-1.4	9.65	4.359	-5.3	9.93
4th Quarter	**15.736**	**7.0**	**26.92**	**142.680**	**-0.2**	**27.78**	**158.416**	**0.4**	**27.69**	**12.646**	**-2.0**	**28.81**
Yr. 2013-14	**58.464**	**4.7**	**100.00**	**513.596**	**0.5**	**100.00**	**572.060**	**0.9**	**100.00**	**43.897**	**-5.2**	**100.00**

Note: (1) *Growth (%) is calculated over similar period of last year.
(2) **Share (%) is caculated as ratio to yearly production.

Cont....

TABLE 4.5: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL, LIGNITE AND COAL PRODUCTS IN 2013-14

(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-13	0.582	1.9	8.76	1.294	17.7	8.37	0.458	6.0	9.36	0.315	-7.1	8.17	0.990	-2.8	7.79
May-13	0.566	0.7	8.52	1.538	49.0	9.95	0.422	-10.6	8.62	0.360	-3.5	9.34	1.048	0.4	8.25
Jun-13	0.547	-1.4	8.23	1.497	48.2	9.69	0.433	7.4	8.85	0.317	-43.1	8.23	1.034	1.9	8.14
1st Quarter	**1.695**	**0.4**	**25.51**	**4.329**	**37.8**	**28.01**	**1.313**	**0.5**	**26.83**	**0.992**	**-21.8**	**25.74**	**3.072**	**-0.2**	**24.18**
Jul-13	0.565	13.0	8.50	1.504	34.8	9.73	0.456	7.5	9.32	0.241	-54.1	6.25	1.091	4.2	8.59
Aug-13	0.524	1.9	7.89	1.259	21.9	8.15	0.365	-18.0	7.46	0.252	-30.6	6.54	1.122	5.2	8.83
Sep-13	0.588	17.1	8.85	1.065	-2.6	6.89	0.384	-12.9	7.85	0.255	-36.6	6.62	1.091	5.8	8.59
2nd Quarter	**1.677**	**10.6**	**25.24**	**3.828**	**18.1**	**24.77**	**1.205**	**-8.0**	**24.62**	**0.748**	**-42.0**	**19.41**	**3.304**	**5.1**	**26.00**
Oct-13	0.552	3.2	8.31	1.189	-9.8	7.69	0.366	-21.5	7.48	0.381	-17.9	9.89	1.047	-0.8	8.24
Nov-13	0.519	-2.1	7.81	1.211	-6.2	7.84	0.385	-10.0	7.87	0.464	8.7	12.04	1.056	1.9	8.31
Dec-13	0.572	-3.1	8.61	1.360	3.8	8.80	0.409	-19.3	8.36	0.292	-36.9	7.58	1.078	5.0	8.48
3rd Quarter	**1.643**	**-0.7**	**24.73**	**3.760**	**-4.1**	**24.33**	**1.160**	**-17.2**	**23.70**	**1.137**	**-16.0**	**29.50**	**3.181**	**2.0**	**25.03**
Jan-14	0.561	-3.4	8.44	1.339	1.4	8.66	0.441	-6.2	9.01	0.291	-31.9	7.55	1.089	2.4	8.57
Feb-14	0.520	-6.1	7.83	1.151	-11.1	7.45	0.366	-14.5	7.48	0.282	-35.9	7.32	0.966	0.7	7.60
Mar-14	0.549	-11.5	8.26	1.047	-20.6	6.77	0.409	-16.0	8.36	0.404	0.0	10.48	1.095	2.7	8.62
4th Quarter	**1.630**	**-7.1**	**24.53**	**3.537**	**-10.1**	**22.89**	**1.216**	**-12.2**	**24.85**	**0.977**	**-23.1**	**25.35**	**3.150**	**2.0**	**24.79**
Yr. 2013-14	**6.645**	**0.5**	**100.00**	**15.454**	**8.5**	**100.00**	**4.894**	**-9.4**	**100.00**	**3.854**	**-25.7**	**100.00**	**12.707**	**2.2**	**100.00**

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

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

(3) All the above figures of Washed Coal & Middling relate to coal companies[won 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 4.6 : SHARE OF RAW COAL DESPATCHES BY STATES DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	State: Andhra Pradesh			State: Assam			State: Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2004-05	34.707	9.17	2.60	0.568	0.15	-34.71	70.153	18.53	13.30
2005-06	35.321	8.93	1.77	1.170	0.30	105.99	74.997	18.96	6.90
2006-07	37.487	8.93	6.13	1.182	0.28	1.03	80.526	19.18	7.37
2007-08	41.793	9.21	11.49	1.200	0.26	1.52	90.792	20.02	12.75
2008-09	44.410	9.08	6.26	0.835	0.17	-30.42	103.022	21.06	13.47
2009-10	49.266	9.59	10.93	1.071	0.21	28.26	106.921	20.81	3.78
2010-11	50.046	9.56	1.58	1.102	0.21	2.89	109.562	20.93	2.47
2011-12	51.389	9.60	2.68	0.800	0.15	-27.40	114.610	21.41	4.61
2012-13	52.025	9.17	1.24	0.618	0.11	-22.75	121.058	21.35	5.63
2013-14	47.892	8.37	-7.94	0.577	0.10	-6.63	124.674	21.79	2.99

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)
2004-05	0.027	0.01	-12.90	76.605	20.23	-2.89	51.686	13.65	5.68
2005-06	0.020	0.01	-25.93	79.669	20.14	4.00	54.949	13.89	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

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)
2004-05	33.523	8.85	2.89	5.345	1.41	-1.76	66.781	17.64	12.34
2005-06	34.792	8.80	3.79	5.566	1.41	3.97	69.136	17.48	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

Contd....

TABLE 4.6 : SHARE OF RAW COAL DESPATCHES BY STATES DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	State: Uttar Pradesh			State: West Bengal			State : Arunachal Pradesh		
	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2004-05	17.019	4.49	9.59	22.244	5.87	8.20			
2005-06	15.853	4.01	-6.85	24.114	6.10	8.41			
2006-07	12.393	2.95	-21.83	25.030	5.96	3.80			
2007-08	11.216	2.47	-9.50	22.155	4.88	-11.49	0.076	0.02	0.00
2008-09	12.448	2.54	10.98	22.817	4.66	2.99	0.129	0.03	69.74
2009-10	13.587	2.64	9.15	22.259	4.33	-2.45	0.226	0.04	75.19
2010-11	15.393	2.94	13.29	21.439	4.10	-3.68	0.245	0.05	8.41
2011-12	15.467	2.89	0.48	23.203	4.33	8.23	0.322	0.06	31.43
2012-13	28.824	5.08	86.36	26.686	4.71	15.01	0.055	0.01	-82.92
2013-14	30.807	5.39	6.88	28.471	4.98	6.69	0	0.00	-100.00

Year	All India	
	Quantity	**Growth(%)**
(41)	(42)	(43)
2004-05	**378.658**	**5.77**
2005-06	**395.587**	**4.47**
2006-07	**419.800**	**6.12**
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**

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)
2004-05	21.237	70.59	0.57	8.302	27.59	24.06
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

Year	State: Rajasthan			**ALL INDIA**	
	Quantity	Share (%)	Growth (%)	**Quantity**	**Growth (%)**
(8)	(9)	(10)	(11)	(12)	(13)
2004-05	0.548	1.82	-19.17	**30.087**	**5.62**
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**

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

(Quantity in Million Tonnes)

Company	2011-12			2012-13			2013-14		
	Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(8)	(9)	(10)	(8)	(9)	(10)	(8)	(9)	(10)
ECL	0.099	30.392	30.491	0.043	35.501	35.544	0.045	35.929	35.974
BCCL	27.132	2.938	30.070	28.970	4.027	32.997	31.496	2.562	34.058
CCL	15.701	32.332	48.033	18.479	34.407	52.886	18.679	33.442	52.121
NCL	0	63.605	63.605	0.000	67.021	67.021	0.000	71.892	71.892
WCL	0.310	41.649	41.959	0.317	41.222	41.539	0.268	39.671	39.939
SECL	0.189	114.950	115.139	0.155	121.818	121.973	0.123	121.890	122.013
MCL		102.521	102.521		111.959	111.959		114.342	114.342
NEC		0.800	0.800		0.618	0.618		0.577	0.577
CIL	**43.431**	**389.187**	**432.618**	**47.964**	**416.573**	**464.537**	**50.611**	**420.305**	**470.916**
SCCL		51.389	51.389		52.025	52.025		47.892	47.892
JKML		0.023	0.023		0.014	0.014		0.013	0.013
JSMDCL		0.118	0.118		0.000	0.000		0.000	0.000
DVC	0.410	0	0.410		0.226	0.226		0.045	0.045
DVCEMTA		1.169	1.169		1.844	1.844		1.523	1.523
IISCO	0.434	0.164	0.598	0.560	0.156	0.716	0.541	0.081	0.622
SAIL	0.040		0.040	0.033	0.064	0.097	0.044	0.031	0.075
APMDTCL		0.322	0.322		0.055	0.055		0.000	0.000
RRVUNL					0.293	0.293		1.197	1.197
WBPDCL	0.000	2.794	2.794	0.000	3.256	3.256		2.610	2.610
PSEB-PANEM		8.278	8.278		6.872	6.872		5.852	5.852
KECML		2.205	2.205		2.515	2.515		2.472	2.472
WBMDTCL					0.265	0.265		0.734	0.734
MPSMCL								0.000	0.000
Total Public	**44.315**	**455.649**	**499.964**	**48.557**	**484.158**	**532.715**	**51.196**	**482.755**	**533.951**
TISCO	7.371	0.067	7.438	7.233	0.081	7.314	6.902	0.067	6.969
MEGHALAYA		7.206	7.206		5.640	5.640		5.732	5.732
ICML		3.168	3.168		3.221	3.221		3.278	3.278
JSPL		5.993	5.993		5.999	5.999		5.999	5.999
MIeL		0.846	0.846		0.798	0.798		0.905	0.905
BLA		0.299	0.299		0.300	0.300		0.300	0.300
HIL		2.298	2.298		2.254	2.254		2.453	2.453
PIL		1.000	1.000		1.000	1.000		1.000	1.000
JNL		0.457	0.457		0.479	0.479		0.394	0.394
JPL		5.249	5.249		5.088	5.088		6.223	6.223
SIL		0.164	0.164		0.244	0.244		0.159	0.159
ESCL	0.037	0	0.037	0.069	0.005	0.074	0.366	0.004	0.370
UML		0.351	0.351		0.564	0.564		0.759	0.759
SEML		0.784	0.784		0.893	0.893		1.117	1.117
BSIL		0.006	0.006		0.019	0.019		0.027	0.027
TUML-SVSL		0.039	0.039		0.367	0.367		0.300	0.300
SPL					0.081	0.081		1.845	1.845
SOVA					0.086	0.086		0.279	0.279
GVK					0.000	0.000		0.000	0.000
Total Private	**7.408**	**27.927**	**35.335**	**7.302**	**27.119**	**34.421**	**7.268**	**30.841**	**38.109**
ALL INDIA	**51.723**	**483.576**	**535.299**	**55.859**	**511.277**	**567.136**	**58.464**	**513.596**	**572.060**
LIGNITE :									
NLC			24.472			25.691			25.991
GMDCL			11.343			10.905			8.398
GIPCL			2.716			3.482			3.249
RSMML			2.120			1.387			1.428
GHCL			0.389			0.283			0.190
VSLPPL			0.843			0.815			0.839
BLMCL						3.750			3.802
ALL INDIA			**41.883**			**46.313**			**43.897**
COAL & LIGNITE			**577.182**			**613.449**			**615.957**

TABLE 4.9 : DESPATCHES OF RAW COAL AND COAL PRODUCTS (Washed Coal and Middlings) BY COMPANIES IN 2013-14

(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	35.974	36.250				
BCCL	34.058	34.128	0.977	0.977	1.286	1.286
CCL	52.121	52.124	8.060	8.060	1.048	1.048
NCL	71.892	71.892	3.779	3.779		
WCL	39.939	39.945	0.118	0.118	0.089	0.089
SECL	122.013	122.027				
MCL	114.342	114.347				
NEC	0.577	0.577				
CIL	**470.916**	**471.290**	**12.934**	**12.934**	**2.423**	**2.423**
SCCL	47.892	47.942				
JKML	0.013	0.013				
DVC	0.045	0.045				
IISCO	0.622	0.622	0.409	0.409	0.257	0.257
SAIL	0.075	0.075				
JSMDCL	0.000	0.000				
DVCEMTA	1.523	1.523				
APMDTCL	0.000	0.000				
RRVUNL	1.197	1.197	0.953	0.953		
WBMDTCL	0.734	0.734				
WBPDCL	2.610	2.610				
PSEB-PANEM	5.852	5.852				
KECML	2.472	2.472				
MPSMCL	0.000	0.000				
PUBLIC	**533.951**	**534.375**	**14.296**	**14.296**	**2.680**	**2.680**
TISCO	6.969	6.970	3.667	3.667	2.180	2.180
MEG	5.732	5.732				
ICML	3.278	3.278				
JSPL	5.999	5.999	2.093	2.093	3.847	3.847
HIL	2.453	2.453				
MIEL	0.905	0.905				
BLA	0.300	0.300	0.305	0.305		
CML	0.000	0.000				
PIL	1.000	1.000				
JNL	0.394	0.394				
JPL	6.223	6.223	1.146	1.146		
SIL	0.159	0.159	0.143	0.143		
ESCL	0.370	0.370	0.113	0.113	0.034	0.034
UML	0.759	0.759				
SEML	1.117	1.117	0.336	0.336	0.007	0.007
BSIL	0.027	0.027				
TUML-SVSL	0.300	0.300				
SPL	1.845	1.845				
SOVA	0.279	0.279				
GVK	0.000	0.000				
PRIVATE	**38.109**	**38.110**	**7.803**	**7.803**	**6.068**	**6.068**
ALL INDIA	**572.060**	**572.485**	**22.099**	**22.099**	**8.748**	**8.748**

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
2011-12	BCCL					
	CCL					
	WCL					
	DCC		4	2	36	153
	SAIL	8203				
	RINL	2197				
	TISCO	1940				
	TOTAL	**12340**	**4**	**2**	**36**	**153**
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**

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

(Quantity in Million Tonnes)

States	Company	2011-12			2012-13			2013-14		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	**SCCL**		51.389	**51.389**		**52.025**	**52.025**		47.892	**47.892**
Arunachal Pradesh	**APMDTCL**		0.322	**0.322**		**0.055**	**0.055**		0.000	**0.000**
Assam	**NEC**		0.800	**0.800**		**0.618**	**0.618**		0.577	**0.577**
Chhattisgarh	SECL	0.189	100.092	**100.281**	**0.155**	**106.353**	**106.508**	0.123	107.716	**107.839**
Chhattisgarh	JSPL		5.993	**5.993**		**5.999**	**5.999**		5.999	**5.999**
Chhattisgarh	MIEL		0.846	**0.846**		**0.798**	**0.798**		0.905	**0.905**
Chhattisgarh	PIL		1.000	**1.000**		**1.000**	**1.000**		1.000	**1.000**
Chhattisgarh	JNL		0.457	**0.457**		**0.479**	**0.479**		0.394	**0.394**
Chhattisgarh	JPL		5.249	**5.249**		**5.088**	**5.088**		6.223	**6.223**
Chhattisgarh	SEML		0.784	**0.784**		**0.893**	**0.893**		1.117	**1.117**
Chhattisgarh	RRVUNL					**0.293**	**0.293**		1.197	**1.197**
Chhattisgarh	**TOTAL**	0.189	114.421	**114.610**	**0.155**	**120.903**	**121.058**	0.123	124.551	**124.674**
Jammu & Kashmir	**JKML**	0.000	0.023	**0.023**	**0.000**	**0.014**	**0.014**		0.013	**0.013**
Jharkhand	ECL	0.084	14.531	**14.615**	**0.032**	**17.672**	**17.704**	0.038	17.301	**17.339**
Jharkhand	BCCL	27.100	2.938	**30.038**	**28.954**	**4.025**	**32.979**	30.257	2.388	**32.645**
Jharkhand	CCL	15.701	32.332	**48.033**	**18.479**	**34.407**	**52.886**	18.679	33.442	**52.121**
Jharkhand	JSMDCL		0.118	**0.118**		**0.000**	**0.000**		0.000	**0.000**
Jharkhand	DVC	0.410		**0.410**		**0.226**	**0.226**		0.045	**0.045**
Jharkhand	IISCO	0.434		**0.434**	**0.560**		**0.560**	0.541	0.000	**0.541**
Jharkhand	TISCO	7.371	0.067	**7.438**	**7.233**	**0.081**	**7.314**	6.902	0.067	**6.969**
Jharkhand	PSEB-PANEM		8.278	**8.278**		**6.872**	**6.872**		5.852	**5.852**
Jharkhand	UML		0.351	**0.351**		**0.564**	**0.564**		0.759	**0.759**
West Bengal	WBPDCL					**0.000**	**0.000**		0.082	**0.082**
Jharkhand	ESCL	0.037		**0.037**	**0.069**	**0.005**	**0.074**	0.366	0.004	**0.370**
Jharkhand	SAIL	0.040		**0.040**	**0.033**	**0.064**	**0.097**	0.044	0.031	**0.075**
Jharkhand	GVK						**0.000**			**0.000**
Jharkhand	**TOTAL**	51.177	58.615	**109.792**	**55.360**	**63.916**	**119.276**	56.827	59.971	**116.798**
Madhya Pradesh	NCL		48.138	**48.138**		**38.197**	**38.197**		41.085	**41.085**
Madhya Pradesh	WCL	0.310	5.955	**6.265**	**0.317**	**6.051**	**6.368**	0.268	5.424	**5.692**
Madhya Pradesh	SECL		14.858	**14.858**		**15.465**	**15.465**		14.174	**14.174**
Madhya Pradesh	MPSMCL		0.000	**0.000**		**0.000**	**0.000**		0.000	**0.000**
Madhya Pradesh	BLA		0.299	**0.299**		**0.300**	**0.300**		0.300	**0.300**
Madhya Pradesh	SPL					**0.081**	**0.081**		1.845	**1.845**
Madhya Pradesh	**TOTAL**	0.310	69.250	**69.560**	**0.317**	**60.094**	**60.411**	0.268	62.828	**63.096**
Maharashtra	WCL		35.694	**35.694**		**35.171**	**35.171**		34.247	**34.247**
Maharashtra	SIL		0.164	**0.164**		**0.244**	**0.244**		0.159	**0.159**
Maharashtra	KECML		2.205	**2.205**		**2.515**	**2.515**		2.472	**2.472**
Maharashtra	BSIL		0.006	**0.006**		**0.019**	**0.019**		0.027	**0.027**
Maharashtra	TUML-SVSL		0.039	**0.039**		**0.367**	**0.367**		0.300	**0.300**
Maharashtra	**TOTAL**	0.000	38.108	**38.108**	**0.000**	**38.316**	**38.316**	0.000	37.205	**37.205**
Meghalaya	**MEGHALAYA**		7.206	**7.206**		**5.640**	**5.640**		5.732	**5.732**
Odisha	MCL		102.521	**102.521**		**111.959**	**111.959**		114.342	**114.342**
Odisha	HIL		2.298	**2.298**		**2.254**	**2.254**		2.453	**2.453**
Odisha	**TOTAL**		104.819	**104.819**		**114.213**	**114.213**		116.795	**116.795**
Uttar Pradesh	**NCL**		15.467	**15.467**		**28.824**	**28.824**		30.807	**30.807**
West Bengal	ECL	0.015	15.861	**15.876**	**0.011**	**17.829**	**17.840**	0.007	18.628	**18.635**
West Bengal	BCCL	0.032		**0.032**	**0.016**	**0.002**	**0.018**	1.239	0.174	**1.413**
West Bengal	IISCO		0.164	**0.164**		**0.156**	**0.156**		0.081	**0.081**
West Bengal	WBPDCL		2.794	**2.794**		**3.256**	**3.256**		2.528	**2.528**
West Bengal	ICML		3.168	**3.168**		**3.221**	**3.221**		3.278	**3.278**
West Bengal	DVCEMTA		1.169	**1.169**		**1.844**	**1.844**		1.523	**1.523**
West Bengal	WBMDTCL					**0.265**	**0.265**		0.734	**0.734**
West Bengal	SOVA					**0.086**	**0.086**		0.279	**0.279**
West Bengal	**TOTAL**	0.047	23.156	**23.203**	**0.027**	**26.659**	**26.686**	1.246	27.225	**28.471**
Total Public		**44.315**	**455.649**	**499.964**	**48.557**	**484.158**	**532.715**	**51.196**	**482.755**	**533.951**
Total Private		**7.408**	**27.927**	**35.335**	**7.302**	**27.119**	**34.421**	**7.268**	**30.841**	**38.109**
All India		**51.723**	**483.576**	**535.299**	**55.859**	**511.277**	**567.136**	**58.464**	**513.596**	**572.060**

TABLE 4.12: GRADEWISE DESPATCHES OF COKING COAL BY COMPANIES DURING 2013-14

(Quantity in Million Tonnes)

Companies	PRODUCTION 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			0.038			0.007	0.038	**0.045**
BCCL	0.071	0.898		0.190	1.312	9.227	19.689	0.109	2.978	28.518	**31.496**
CCL					0.042	3.247	15.390		4.169	14.510	**18.679**
NCL											**0.000**
WCL					0.268				0.229	0.039	**0.268**
SECL			0.123							0.123	**0.123**
MCL											**0.000**
NEC											**0.000**
CIL	**0.071**	**0.898**	**0.130**	**0.190**	**1.622**	**12.512**	**35.079**	**0.109**	**7.383**	**43.228**	**50.611**
SCCL											**0.000**
JKML											**0.000**
DVC											**0.000**
IISCO						0.056	0.485		0.541	0.000	**0.541**
SAIL							0.044		0.044	0.000	**0.044**
JSMDCL											**0.000**
DVCEMTA											**0.000**
APMDTCL											**0.000**
RRVUNL											**0.000**
WBMDTCL											**0.000**
WBPDCL											**0.000**
PSEB-PANEM											**0.000**
KECML											**0.000**
MPSMCL											**0.000**
PUBLIC	**0.071**	**0.898**	**0.130**	**0.190**	**1.622**	**12.568**	**35.608**	**0.109**	**7.968**	**43.228**	**51.196**
TISCO					0.299	0.910	5.693		6.902	0	**6.902**
MEG											**0.000**
ICML											**0.000**
JSPL											**0.000**
HIL											**0.000**
MIEL											**0.000**
BLA											**0.000**
CML											**0.000**
PIL											**0.000**
JNL											**0.000**
JPL											**0.000**
SIL											**0.000**
ESCL						0.104	0.262		0.366	0	**0.366**
UML											**0.000**
SEML											**0.000**
BSIL											**0.000**
TUML-SVSL											**0.000**
SPL											**0.000**
SOVA											**0.000**
GVK											**0.000**
PRIVATE	**0.000**	**0.000**	**0.000**	**0.000**	**0.299**	**1.014**	**5.955**	**0.000**	**7.268**	**0.000**	**7.268**
India(13-14)	**0.071**	**0.898**	**0.130**	**0.190**	**1.921**	**13.582**	**41.563**	**0.109**	**15.236**	**43.228**	**58.464**

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 2013-14

(Quantity in Million Tonnes)

Companies	PRODUCTION OF NON-COKING COAL																		Total Coal
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	UNG	Total N-coking
ECL		0.052	1.344	13.072	4.709	1.254	0.943	0.191			14.364								**35.929**	**35.974**
BCCL			0.607	0.029	0.132	1.498	0.210	0.080	0.006										**2.562**	**34.058**
CCL			0.052	0.294	2.689	0.236	1.009	4.994	16.905	3.522	3.741								**33.442**	**52.121**
NCL					0.873	0.147	17.715	9.208		43.432				0.517					**71.892**	**71.892**
WCL				0.013	0.327	1.520	3.339	8.881	25.506	0.085									**39.671**	**39.939**
SECL			2.744	5.546	6.616	8.064	3.918	1.041		5.143	79.250	9.568							**121.890**	**122.013**
MCL					0.265		0.015	0.704	0.459	3.208	9.480	62.873	37.338						**114.342**	**114.342**
NEC	0.331	0.212		0.034															**0.577**	**0.577**
CIL	**0.331**	**0.264**	**4.747**	**18.988**	**15.611**	**12.719**	**27.149**	**25.099**	**42.876**	**55.390**	**106.835**	**72.441**	**37.338**	**0.517**	**0.000**	**0.000**	**0.000**	**0.000**	**420.305**	**470.916**
SCCL					0.714	0.003	7.847	0.258	9.217	6.870	8.712		11.713		1.943		0.573	0.042	**47.892**	**47.892**
JKML																	0.013		**0.013**	**0.013**
DVC				0.045															**0.045**	**0.045**
IISCO				0.015	0.024							0.042							**0.081**	**0.622**
SAIL												0.031							**0.031**	**0.075**
JSMDCL																			**0.000**	**0.000**
DVCEMTA						0.457	1.066												**1.523**	**1.523**
APMDTCL																			**0.000**	**0.000**
RRVUNL												1.197							**1.197**	**1.197**
WBMDTCL				0.546	0.188														**0.734**	**0.734**
WBPDCL				2.350		0.260													**2.610**	**2.610**
PSEB-PANEM						2.048		2.926	0.878										**5.852**	**5.852**
KECML								2.472											**2.472**	**2.472**
MPSMCL																			**0.000**	**0.000**
PUBLIC	**0.331**	**0.264**	**4.747**	**21.944**	**16.537**	**15.487**	**36.062**	**30.755**	**52.971**	**62.260**	**115.547**	**73.711**	**49.051**	**0.517**	**1.943**	**0.000**	**0.586**	**0.042**	**482.755**	**533.951**
TISCO	0.067																		**0.067**	**6.969**
MEG	5.732																		**5.732**	**5.732**
ICML											3.278								**3.278**	**3.278**
JSPL												0.861			1.416		3.722		**5.999**	**5.999**
HIL													1.822	0.631					**2.453**	**2.453**
MIEL							0.496					0.409							**0.905**	**0.905**
BLA						0.068	0.062	0.082		0.088									**0.300**	**0.300**
CML																			**0.000**	**0.000**
PIL									1.000										**1.000**	**1.000**
JNL									0.316			0.078							**0.394**	**0.394**
JPL												1.522		2.221		2.480			**6.223**	**6.223**
SIL								0.159											**0.159**	**0.159**
ESCL																		0.004	**0.004**	**0.370**
UML						0.759													**0.759**	**0.759**
SEML												0.159		0.743			0.215		**1.117**	**1.117**
BSIL													0.027						**0.027**	**0.027**
TUML-SVSL											0.300								**0.300**	**0.300**
SPL										1.845									**1.845**	**1.845**
SOVA								0.279											**0.279**	**0.279**
GVK																			**0.000**	**0.000**
PRIVATE	**5.799**	**0.000**	**0.000**	**0.000**	**0.000**	**0.827**	**0.558**	**0.520**	**1.316**	**1.933**	**3.578**	**3.029**	**1.849**	**3.595**	**1.416**	**2.480**	**3.937**	**0.004**	**30.841**	**38.109**
India(13-14)	**6.130**	**0.264**	**4.747**	**21.944**	**16.537**	**16.314**	**36.620**	**31.275**	**54.287**	**64.193**	**119.125**	**76.740**	**50.900**	**4.112**	**3.359**	**2.480**	**4.523**	**0.046**	**513.596**	**572.060**

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 2013-14

(Quantity in Million Tonnes)

Grade	Andhra Pradesh	Arunachal Pradesh	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Madhya Pradesh	Maharashtra	Meghalaya	Odisha	Uttar Pradesh	West Bengal	**India (13-14)**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	**(14)**
Steel-I						0.056						0.015	**0.071**
Steel-II						**0.898**							**0.898**
SC-I				0.123								0.007	**0.130**
Wash-I						0.190							**0.190**
Wash-II						1.317	0.268					0.336	**1.921**
Wash-III						12.803						0.779	**13.582**
Wash-IV						41.563							**41.563**
SLV1												0.109	**0.109**
Met.Coal						**14.985**	**0.229**					**0.022**	**15.236**
Non Met	**0.000**	**0.000**	**0.000**	**0.123**	**0.000**	**41.842**	**0.039**	**0.000**	**0.000**	**0.000**	**0.000**	**1.224**	**43.228**
Tot Ckg.	**0.000**	**0.000**	**0.000**	**0.123**	**0.000**	**56.827**	**0.268**	**0.000**	**0.000**	**0.000**	**0.000**	**1.246**	**58.464**
G1			0.331			0.067			5.732				**6.130**
G2			0.212									0.052	**0.264**
G3				1.438		0.916	1.306					1.087	**4.747**
G4			0.034	4.027		0.437	1.532					15.914	**21.944**
G5	0.714			4.757		4.551	2.763	0.150		0.265	0.146	3.191	**16.537**
G6	0.003			1.740		5.014	7.110	0.802			0.147	1.498	**16.314**
G7	7.847			1.248		1.344	18.796	1.297		0.015	4.189	1.884	**36.620**
G8	0.258			1.041		8.191	1.515	10.079		0.704	9.208	0.279	**31.275**
G9	9.217			1.316		17.789	1.041	24.465		0.459			**54.287**
G10	6.870			5.143		3.522	28.248	0.085		3.208	17.117		**64.193**
G11	8.712			79.250		18.105		0.300		9.480		3.278	**119.125**
G12				13.794		0.031				62.873		0.042	**76.740**
G13	11.713							0.027		39.160			**50.900**
G14				2.964			0.517			0.631			**4.112**
G15	1.943			1.416									**3.359**
G16				2.480									**2.480**
G17	0.573			3.937	0.013								**4.523**
UNG	0.042					0.004							**0.046**
Tot. Nckg	**47.892**	**0.000**	**0.577**	**124.551**	**0.013**	**59.971**	**62.828**	**37.205**	**5.732**	**116.795**	**30.807**	**27.225**	**513.596**
Total Coal	**47.892**	**0.000**	**0.577**	**124.674**	**0.013**	**116.798**	**63.096**	**37.205**	**5.732**	**116.795**	**30.807**	**28.471**	**572.060**

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	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	New Grade	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(11)	(12)
COKING COAL	Steel-I	0.146	0.130	0.133	0.089	0.064	0.091	0.224	0.092		0.075	0.071
	Steel-II	0.106	0.976	0.512	0.280	0.871	1.057	1.226	1.271		1.671	0.898
	SC-1	0.204	0.188	0.188	0.178	0.171	0.158	0.170	0.204		0.166	0.130
	Wash-I	0.329	0.228	0.275	0.462	0.309	0.291	0.193	0.185		0.297	0.190
	Wash-II	2.622	4.490	3.242	2.106	2.551	1.756	1.601	1.816		1.812	1.921
	Wash-III	7.217	5.742	6.893	7.212	7.841	9.114	10.432	13.730		13.335	13.582
	Wash-IV	20.008	18.586	20.600	23.014	23.865	30.000	35.081	34.425		38.500	41.563
	SLV1	0.116	0.197	0.084	0.202	0.052	0.002	0.023	0.000		0.003	0.109
	Met.Coal	17.559	16.495	16.334	16.438	15.061	15.144	16.075	15.903		14.730	15.236
	Non Met	13.189	14.042	15.593	17.105	20.663	27.325	32.875	35.820		41.129	43.228
	Total Coking	**30.748**	**30.537**	**31.927**	**33.543**	**35.724**	**42.469**	**48.950**	**51.723**		**55.859**	**58.464**
NON - COKING COAL	A	3.704	4.360	4.825	4.650	4.023	10.266	11.772	14.678	G1	5.864	6.130
	B	24.342	23.556	23.524	24.717	26.024	27.689	25.648	60.175	G2	0.522	0.264
	C	48.467	48.680	52.197	53.177	46.101	53.242	54.760	28.050	G3	4.985	4.747
	D	43.072	43.215	42.543	47.928	53.338	52.679	49.524	51.887	G4	19.14	21.944
	E	80.282	90.436	93.693	101.850	117.612	118.933	117.677	106.834	G5	17.431	16.537
	F	137.959	142.501	157.304	174.411	191.143	205.325	207.576	197.845	G6	20.787	16.314
	SLV	2.254	6.501	7.652	6.375	8.833	2.712			G7	35.934	36.620
	G					0.437		6.075	13.386	G8	27.198	31.275
										G9	71.963	54.287
										G10	64.307	64.193
										G11	110.285	119.125
										G12	57.847	76.740
										G13	62.881	50.900
										G14	3.079	4.112
										G15	3.177	3.359
										G16	1.476	2.480
										G17	4.401	4.523
	Ungr	7.830	5.801	6.135	6.916	5.937	0.477	1.483	10.721			0.046
	Total Non Coking	**347.910**	**365.050**	**387.873**	**420.024**	**453.448**	**471.323**	**474.515**	**483.576**		**511.277**	**513.596**
TOTAL COAL		**378.658**	**395.587**	**419.800**	**453.567**	**489.172**	**513.792**	**523.465**	**535.299**		**567.136**	**572.060**

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 2013-14

(Quantity in Million Tonnes)

Company	Raw Coal/Coal Product	YEAR 2013-14 (External)							YEAR 2013-14 (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	24.599	1.936			9.439		35.974							0.000	35.974
BCCL	RC	25.317	6.439					31.756	1.017	1.285					2.302	34.058
BCCL	CP	2.081	0.182					2.263							0.000	2.263
CCL	RC	26.180	15.511					41.691		10.430					10.430	52.121
CCL	CP	8.947	0.161					9.108							0.000	9.108
NCL	RC	25.738	7.072			35.084		67.894		3.998					3.998	71.892
NCL	CP	3.779						3.779							0.000	3.779
WCL	RC	22.167	13.568	0.973	2.421	0.581		39.710						0.229	0.229	39.939
WCL	CP	0.207						0.207							0.000	0.207
SECL	RC	47.492	41.373	5.245		24.581	3.322	122.013							0.000	122.013
MCL	RC	72.225	24.506	1.866		15.745		114.342							0.000	114.342
NEC	RC	0.471	0.106					0.577							0.000	0.577
CIL	**RC**	**244.189**	**110.511**	**8.084**	**2.421**	**85.430**	**3.322**	**453.957**	**1.017**	**15.713**	**0.000**	**0.000**	**0.000**	**0.229**	**16.959**	**470.916**
CIL	**CP**	**15.014**	**0.343**	**0.000**	**0.000**	**0.000**	**0.000**	**15.357**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**15.357**
SCCL	RC	25.993	13.657		0.520	7.722		47.892							0.000	47.892
JKML	RC		0.013					0.013							0.000	0.013
DVC	RC		0.045					0.045							0.000	0.045
IISCO	RC		0.081					0.081		0.364	0.121	0.056			0.541	0.622
IISCO	CP	0.666						0.666							0.000	0.666
SAIL	RC	0.031	0.044					0.075							0.000	0.075
JSMDCL	RC							0.000							0.000	0.000
DVCEMTA	RC		1.523					1.523							0.000	1.523
APMDTCL	RC							0.000							0.000	0.000
RRVUNL	RC							0.000		1.197					1.197	1.197
RRVUNL	CP		0.953					0.953							0.000	0.953
WBMDTCL	RC		0.734					0.734							0.000	0.734
WBPDCL	RC	2.422	0.188					2.610							0.000	2.610
PSEB-PANEM	RC	5.852						5.852							0.000	5.852
KECML	RC	2.472						2.472							0.000	2.472
MPSMCL	RC							0.000							0.000	0.000
PUBLIC	**RC**	**280.959**	**126.796**	**8.084**	**2.941**	**93.152**	**3.322**	**515.254**	**1.017**	**17.274**	**0.121**	**0.056**	**0.000**	**0.229**	**18.697**	**533.951**
PUBLIC	**CP**	**15.680**	**1.296**	**0.000**	**0.000**	**0.000**	**0.000**	**16.976**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**16.976**
TISCO	RC							0.000		0.286	5.040	1.643			6.969	6.969
TISCO	CP	5.597	0.250					5.847							0.000	5.847
MEG	RC		5.732					5.732							0.000	5.732
ICML	RC		3.278					3.278							0.000	3.278
JSPL	RC							0.000		0.239	5.760				5.999	5.999
JSPL	CP		5.940					5.940							0.000	5.940
HIL	RC		2.453					2.453							0.000	2.453
MIEL	RC		0.905					0.905							0.000	0.905
BLA	RC							0.000		0.300					0.300	0.300
BLA	CP		0.305					0.305							0.000	0.305
CML	RC							0.000							0.000	0.000
PIL	RC		1.000					1.000							0.000	1.000
JNL	RC	0.048	0.346					0.394							0.000	0.394
JPL	RC							0.000			6.223				6.223	6.223
JPL	CP			1.146				1.146							0.000	1.146
SIL	RC	0.159						0.159							0.000	0.159
SIL	CP	0.143						0.143							0.000	0.143
ESCL	RC		0.370					0.370							0.000	0.370
ESCL	CP		0.147					0.147							0.000	0.147
UML	RC	0.350	0.409					0.759							0.000	0.759
SEML	RC	0.046						0.046		1.071					1.071	1.117
SEML	CP	0.259	0.084					0.343							0.000	0.343
BSIL	RC		0.027					0.027							0.000	0.027
TUML-SVSL	RC		0.300					0.300							0.000	0.300
SPL	RC		1.845					1.845							0.000	1.845
SOVA	RC		0.279					0.279							0.000	0.279
GVK	RC							0.000							0.000	0.000
PRIVATE	**RC**	**0.603**	**16.944**	**0.000**	**0.000**	**0.000**	**0.000**	**17.547**	**0.000**	**1.896**	**17.023**	**1.643**	**0.000**	**0.000**	**20.562**	**38.109**
PRIVATE	**CP**	**5.999**	**6.726**	**1.146**	**0.000**	**0.000**	**0.000**	**13.871**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**13.871**
ALL INDIA	**RC**	**281.562**	**143.740**	**8.084**	**2.941**	**93.152**	**3.322**	**532.801**	**1.017**	**19.170**	**17.144**	**1.699**	**0.000**	**0.229**	**39.259**	**572.060**
ALL INDIA	**CP**	**21.679**	**8.022**	**1.146**	**0.000**	**0.000**	**0.000**	**30.847**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**30.847**

TABLE 4.16: COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS (INCLUDING WASHERIES) DURING 2013-14

(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	31.053	0.123	0.007				0.313	0.057		0.146		0.020	0.106	0.004		4.145	**35.974**	0.276		**36.250**
BCCL	27.016	0.057	0.086	3.058	0.845				1.104							1.892	**34.058**	0.060	0.010	**34.128**
CCL	32.100	1.411		3.247		7.482			0.276	0.730		0.020				6.855	**52.121**	0.003		**52.124**
NCL	63.578	3.848						0.155		0.100	0.258				3.953		**71.892**			**71.892**
WCL	28.913	1.550	0.229		0.039			1.950		0.392		0.090	0.375	0.078		6.323	**39.939**	0.006		**39.945**
SECL	86.007	8.263	0.123				0.375	3.556	0.871	3.377		0.006	0.219	0.055		19.161	**122.013**	0.014		**122.027**
MCL	78.223	12.979						0.340	0.037	3.428	0.480		0.244			18.611	**114.342**	0.005		**114.347**
NEC	0.244	0.008						0.021								0.304	**0.577**			**0.577**
CIL	**347.134**	**28.239**	**0.445**	**6.305**	**0.884**	**7.482**	**0.688**	**6.079**	**2.288**	**8.173**	**0.738**	**0.136**	**0.944**	**0.137**	**3.953**	**57.291**	**470.916**	**0.364**	**0.010**	**471.290**
SCCL	34.269	2.773						5.534		0.412		0.215	0.925	0.219	0.023	3.522	**47.892**	0.050		**47.942**
JKML								0.002						0.001	0.010		**0.013**			**0.013**
DVC		0.045															**0.045**			**0.045**
IISCO				0.539	0.002											0.081	**0.622**			**0.622**
SAIL		0.031		0.044													**0.075**			**0.075**
JSMDCL																	**0.000**			**0.000**
DVCEMTA		1.523															**1.523**			**1.523**
APMDTCL																	**0.000**			**0.000**
RRVUNL						1.197											**1.197**			**1.197**
WBMDTCL	0.278							0.021		0.177			0.037	0.003	0.017	0.201	**0.734**			**0.734**
WBPDCL		2.610															**2.610**			**2.610**
PSEB-PANEM		5.852															**5.852**			**5.852**
KECML		2.472															**2.472**			**2.472**
MPSMCL																	**0.000**			**0.000**
PUBLIC	**381.681**	**43.545**	**0.445**	**6.888**	**0.886**	**8.679**	**0.688**	**11.636**	**2.288**	**8.762**	**0.738**	**0.351**	**1.906**	**0.360**	**4.003**	**61.095**	**533.951**	**0.414**	**0.010**	**534.375**
TISCO				6.902		0.067											**6.969**	0.001		**6.970**
MEG																5.732	**5.732**			**5.732**
ICML	3.278																**3.278**			**3.278**
JSPL						5.760				0.239							**5.999**			**5.999**
HIL		2.453															**2.453**			**2.453**
MIEL										0.905							**0.905**			**0.905**
BLA						0.300											**0.300**			**0.300**
CML																	**0.000**			**0.000**
PIL										1.000							**1.000**			**1.000**
JNL										0.394							**0.394**			**0.394**
JPL		4.431				1.792											**6.223**			**6.223**
SIL		0.054								0.105							**0.159**			**0.159**
ESCL				0.353	0.013										0.004		**0.370**			**0.370**
UML										0.759							**0.759**			**0.759**
SEML		0.176				0.824				0.117							**1.117**			**1.117**
BSIL										0.027							**0.027**			**0.027**
TUML-SVSL		0.079				0.221											**0.300**			**0.300**
SPL		1.845															**1.845**			**1.845**
SOVA		0.048								0.204						0.027	**0.279**			**0.279**
GVK																	**0.000**			**0.000**
PRIVATE	**3.278**	**9.086**	**0.000**	**7.255**	**0.013**	**8.964**	**0.000**	**0.000**	**0.000**	**3.750**	**0.000**	**0.000**	**0.000**	**0.000**	**0.004**	**5.759**	**38.109**	**0.001**	**0.000**	**38.110**
ALL INDIA	**384.959**	**52.631**	**0.445**	**14.143**	**0.899**	**17.643**	**0.688**	**11.636**	**2.288**	**12.512**	**0.738**	**0.351**	**1.906**	**0.360**	**4.007**	**66.854**	**572.060**	**0.415**	**0.010**	**572.485**

TABLE 4.17 : COMPANYWISE OFF-TAKE OF LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2013-14

(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		3.249															**3.249**			**3.249**
GMDCL	1.864	0.961					0.004	0.320	0.003			0.148	1.215	0.664	0.993	2.226	**8.398**			**8.398**
GHCL		0.190															**0.190**			**0.190**
NLCL	22.919	1.900					0.026	0.995				0.013	0.071	0.004	0.010	0.053	**25.991**			**25.991**
RSMML		0.612						0.174				0.002	0.004	0.065		0.571	**1.428**			**1.428**
VSLPPL		0.839															**0.839**			**0.839**
BLMCL		3.802															**3.802**			**3.802**
TOTAL	**24.783**	**11.553**					**0.030**	**1.489**	**0.003**			**0.163**	**1.290**	**0.733**	**1.003**	**2.850**	**43.897**			**43.897**

TABLE 4.18 : COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS DURING 2013-14

(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	31.053	0.123	0.007		0.313	0.057		0.146		0.020	0.106	0.004		4.145	**35.974**	0.276		**36.250**
BCCL	27.016	0.057	0.086	3.903			1.104							1.892	**34.058**	0.060	0.010	**34.128**
CCL	39.582	1.411		3.247			0.276	0.730		0.020				6.855	**52.121**	0.003		**52.124**
NCL	63.578	3.848				0.155		0.100	0.258				3.953		**71.892**			**71.892**
WCL	28.913	1.550	0.229	0.039		1.950		0.392		0.090	0.375	0.078		6.323	**39.939**	0.006		**39.945**
SECL	86.007	8.263	0.123		0.375	3.556	0.871	3.377		0.006	0.219	0.055		19.161	**122.013**	0.014		**122.027**
MCL	78.223	12.979				0.340	0.037	3.428	0.480		0.244			18.611	**114.342**	0.005		**114.347**
NEC	0.244	0.008				0.021								0.304	**0.577**			**0.577**
CIL	**354.616**	**28.239**	**0.445**	**7.189**	**0.688**	**6.079**	**2.288**	**8.173**	**0.738**	**0.136**	**0.944**	**0.137**	**3.953**	**57.291**	**470.916**	**0.364**	**0.010**	**471.290**
SCCL	34.269	2.773				5.534		0.412		0.215	0.925	0.219	0.023	3.522	**47.892**	0.050		**47.942**
JKML						0.002						0.001	0.010		**0.013**			**0.013**
DVC		0.045													**0.045**			**0.045**
IISCO				0.541										0.081	**0.622**			**0.622**
SAIL		0.031		0.044											**0.075**			**0.075**
JSMDCL															**0.000**			**0.000**
DVCEMTA		1.523													**1.523**			**1.523**
APMDTCL															**0.000**			**0.000**
RRVUNL	1.197														**1.197**			**1.197**
WBMDTCL	0.278					0.021		0.177			0.037	0.003	0.017	0.201	**0.734**			**0.734**
WBPDCL		2.610													**2.610**			**2.610**
PSEB-PANEM		5.852													**5.852**			**5.852**
KECML		2.472													**2.472**			**2.472**
MPSMCL															**0.000**			**0.000**
PUBLIC	**390.360**	**43.545**	**0.445**	**7.774**	**0.688**	**11.636**	**2.288**	**8.762**	**0.738**	**0.351**	**1.906**	**0.360**	**4.003**	**61.095**	**533.951**	**0.414**	**0.010**	**534.375**
TISCO	0.067			6.902											**6.969**	0.001		**6.970**
MEG														5.732	**5.732**			**5.732**
ICML	3.278														**3.278**			**3.278**
JSPL								5.999							**5.999**			**5.999**
HIL		2.453													**2.453**			**2.453**
MIEL								0.905							**0.905**			**0.905**
BLA						0.300									**0.300**			**0.300**
CML															**0.000**			**0.000**
PIL								1.000							**1.000**			**1.000**
JNL								0.394							**0.394**			**0.394**
JPL		6.223													**6.223**			**6.223**
SIL		0.054						0.105							**0.159**			**0.159**
ESCL				0.366									0.004		**0.370**			**0.370**
UML								0.759							**0.759**			**0.759**
SEML	0.824	0.176						0.117							**1.117**			**1.117**
BSIL								0.027							**0.027**			**0.027**
TUML-SVSL		0.079						0.221							**0.300**			**0.300**
SPL		1.845													**1.845**			**1.845**
SOVA		0.048						0.204						0.027	**0.279**			**0.279**
GVK															**0.000**			**0.000**
PRIVATE	**4.169**	**10.878**	**0.000**	**7.268**	**0.000**	**0.300**	**0.000**	**9.731**	**0.000**	**0.000**	**0.000**	**0.000**	**0.004**	**5.759**	**38.109**	**0.001**	**0.000**	**38.110**
ALL INDIA	**394.529**	**54.423**	**0.445**	**15.042**	**0.688**	**11.936**	**2.288**	**18.493**	**0.738**	**0.351**	**1.906**	**0.360**	**4.007**	**66.854**	**572.060**	**0.415**	**0.010**	**572.485**

TABLE-4.19 : SECTORWISE OFFTAKE OF COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION - COMPANYWISE IN 2013-14

(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														0.038	**0.038**			**0.038**
	TOT	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.038**	**0.038**	**0.000**	**0.000**	**0.038**
BCCL	RCE	24.712	0.031	0.086	1.524			1.025							1.739	**29.117**	0.008		**29.125**
	WC			0.977												**0.977**			**0.977**
	MID	0.150	1.136													**1.286**			**1.286**
	TOT	**24.862**	**1.167**	**1.063**	**1.524**	**0.000**	**0.000**	**1.025**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.739**	**31.380**	**0.008**	**0.000**	**31.388**
CCL	RCE	12.858			0.301			0.042							2.532	**15.733**			**15.733**
	WC				1.361											**1.361**			**1.361**
	MID	0.407	0.641													**1.048**			**1.048**
	TOT	**13.265**	**0.641**	**0.000**	**1.662**	**0.000**	**0.000**	**0.042**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.532**	**18.142**	**0.000**	**0.000**	**18.142**
WCL	RCE				0.039											**0.039**			**0.039**
	WC				0.118											**0.118**			**0.118**
	MID	0.089														**0.089**			**0.089**
	TOT	**0.089**	**0.000**	**0.000**	**0.157**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.246**	**0.000**	**0.000**	**0.246**
SECL	RCE			0.123												**0.123**			**0.123**
	TOT	**0.000**	**0.000**	**0.123**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.123**	**0.000**	**0.000**	**0.123**
CIL	**RCE**	**37.570**	**0.031**	**0.209**	**1.864**	**0.000**	**0.000**	**1.067**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.309**	**45.050**	**0.008**	**0.000**	**45.058**
	WC	**0.000**	**0.000**	**0.977**	**1.479**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.456**	**0.000**	**0.000**	**2.456**
	MID	**0.646**	**1.777**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.423**	**0.000**	**0.000**	**2.423**
	TOT	**38.216**	**1.808**	**1.186**	**3.343**	**0.000**	**0.000**	**1.067**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.309**	**49.929**	**0.008**	**0.000**	**49.937**
IISCO	WC				0.409											**0.409**			**0.409**
	MID		0.256												0.001	**0.257**			**0.257**
	TOT		**0.256**		**0.409**										**0.001**	**0.666**			**0.666**
SAIL	RCE				0.044											**0.044**			**0.044**
	TOT	**0.000**	**0.000**	**0.000**	**0.044**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.044**	**0.000**	**0.000**	**0.044**
PUBLIC	**RCE**	**37.570**	**0.031**	**0.209**	**1.908**	**0.000**	**0.000**	**1.067**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.309**	**45.094**	**0.008**	**0.000**	**45.102**
	WC	**0.000**	**0.000**	**0.977**	**1.888**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.865**	**0.000**	**0.000**	**2.865**
	MID	**0.646**	**2.033**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.001**	**2.680**	**0.000**	**0.000**	**2.680**
	TOT	**38.216**	**2.064**	**1.186**	**3.796**	**0.000**	**0.000**	**1.067**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.310**	**50.639**	**0.008**	**0.000**	**50.647**
TISCO	RCE															**0.000**	0.001		**0.001**
	WC				3.667											**3.667**			**3.667**
	MID	1.856	0.074		0.250											**2.180**			**2.180**
	TOT	**1.856**	**0.074**	**0.000**	**3.917**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.847**	**0.001**	**0.000**	**5.848**
ESCL	WC				0.113											**0.113**			**0.113**
	MID		0.007		0.001				0.026							**0.034**			**0.034**
	TOT		**0.007**		**0.114**				**0.026**							**0.147**			**0.147**
PRIVATE	**RCE**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.001**	**0.000**	**0.001**
	WC	**0.000**	**0.000**	**0.000**	**3.780**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**3.780**	**0.000**	**0.000**	**3.780**
	MID	**1.856**	**0.081**	**0.000**	**0.251**	**0.000**	**0.000**	**0.000**	**0.026**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.214**	**0.000**	**0.000**	**2.214**
	TOT	**1.856**	**0.081**	**0.000**	**4.031**	**0.000**	**0.000**	**0.000**	**0.026**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.994**	**0.001**	**0.000**	**5.995**
ALL INDIA	**RCE**	**37.570**	**0.031**	**0.209**	**1.908**	**0.000**	**0.000**	**1.067**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.309**	**45.094**	**0.009**	**0.000**	**45.103**
	WC	**0.000**	**0.000**	**0.977**	**5.668**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**6.645**	**0.000**	**0.000**	**6.645**
	MID	**2.502**	**2.114**	**0.000**	**0.251**	**0.000**	**0.000**	**0.000**	**0.026**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.001**	**4.894**	**0.000**	**0.000**	**4.894**
	TOT	**40.072**	**2.145**	**1.186**	**7.827**	**0.000**	**0.000**	**1.067**	**0.026**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**4.310**	**56.633**	**0.009**	**0.000**	**56.642**

TABLE-4.20: SECTORWISE OFFTAKE OF NON-COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION-COMPANYWISE IN 2013-14

(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)**
ECL	RCE	31.053	0.123			0.313	0.057		0.146		0.020	0.106	0.004		4.107	**35.929**	0.276		**36.205**
	TOT	**31.053**	**0.123**	**0.000**	**0.000**	**0.313**	**0.057**	**0.000**	**0.146**	**0.000**	**0.020**	**0.106**	**0.004**	**0.000**	**4.107**	**35.929**	**0.276**	**0.000**	**36.205**
BCCL	RCE	2.304	0.026					0.079							0.153	**2.562**			**2.562**
	TOT	**2.304**	**0.026**	**0.000**	**0.000**	**0.000**	**0.000**	**0.079**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.153**	**2.562**	**0.000**	**0.000**	**2.562**
CCL	RCE	19.242	1.411					0.234	0.730		0.020				4.323	**25.960**			**25.960**
	WC	6.264	0.435													**6.699**			**6.699**
	TOT	**25.506**	**1.846**	**0.000**	**0.000**	**0.000**	**0.000**	**0.234**	**0.730**	**0.000**	**0.020**	**0.000**	**0.000**	**0.000**	**4.323**	**32.659**	**0.000**	**0.000**	**32.659**
NCL	RCE	59.580	3.848				0.155		0.100	0.258				3.953		**67.894**			**67.894**
	WC	3.779														**3.779**			**3.779**
	TOT	**63.359**	**3.848**	**0.000**	**0.000**	**0.000**	**0.155**	**0.000**	**0.100**	**0.258**	**0.000**	**0.000**	**0.000**	**3.953**	**0.000**	**71.673**	**0.000**	**0.000**	**71.673**
WCL	RCE	28.913	1.550				1.950		0.392		0.090	0.375	0.078		6.323	**39.671**	0.006		**39.677**
	TOT	**28.913**	**1.550**	**0.000**	**0.000**	**0.000**	**1.950**	**0.000**	**0.392**	**0.000**	**0.090**	**0.375**	**0.078**	**0.000**	**6.323**	**39.671**	**0.006**	**0.000**	**39.677**
SECL	RCE	86.007	8.263			0.375	3.556	0.871	3.377		0.006	0.219	0.055		19.161	**121.890**	0.014		**121.904**
	TOT	**86.007**	**8.263**	**0.000**	**0.000**	**0.375**	**3.556**	**0.871**	**3.377**	**0.000**	**0.006**	**0.219**	**0.055**	**0.000**	**19.161**	**121.890**	**0.014**	**0.000**	**121.904**
MCL	RCE	78.223	12.979				0.340	0.037	3.428	0.480		0.244			18.611	**114.342**	0.005		**114.347**
	TOT	**78.223**	**12.979**	**0.000**	**0.000**	**0.000**	**0.340**	**0.037**	**3.428**	**0.480**	**0.000**	**0.244**	**0.000**	**0.000**	**18.611**	**114.342**	**0.005**	**0.000**	**114.347**
NEC	RCE	0.244	0.008				0.021								0.304	**0.577**			**0.577**
	TOT	**0.244**	**0.008**	**0.000**	**0.000**	**0.000**	**0.021**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.304**	**0.577**	**0.000**	**0.000**	**0.577**
CIL	**RCE**	**305.566**	**28.208**	**0.000**	**0.000**	**0.688**	**6.079**	**1.221**	**8.173**	**0.738**	**0.136**	**0.944**	**0.137**	**3.953**	**52.982**	**408.825**	**0.301**	**0.000**	**409.126**
	WC	**10.043**	**0.435**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**10.478**	**0.000**	**0.000**	**10.478**
	MID	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
	TOT	**315.609**	**28.643**	**0.000**	**0.000**	**0.688**	**6.079**	**1.221**	**8.173**	**0.738**	**0.136**	**0.944**	**0.137**	**3.953**	**52.982**	**419.303**	**0.301**	**0.000**	**419.604**
SCCL	RCE	34.269	2.773				5.534		0.412		0.215	0.925	0.219	0.023	3.522	**47.892**	0.050		**47.942**
	TOT	**34.269**	**2.773**	**0.000**	**0.000**	**0.000**	**5.534**	**0.000**	**0.412**	**0.000**	**0.215**	**0.925**	**0.219**	**0.023**	**3.522**	**47.892**	**0.050**	**0.000**	**47.942**
JKML	RCE						0.002						0.001	0.010		**0.013**			**0.013**
	TOT	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.002**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.001**	**0.010**	**0.000**	**0.013**	**0.000**	**0.000**	**0.013**
DVC	RCE		0.045													**0.045**			**0.045**
	TOT	**0.000**	**0.045**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.045**	**0.000**	**0.000**	**0.045**
IISCO	RCE														0.008	**0.008**			**0.008**
	TOT	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.008**	**0.008**	**0.000**	**0.000**	**0.008**
SAIL	RCE		0.031													**0.031**			**0.031**
	TOT	**0.000**	**0.031**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.031**	**0.000**	**0.000**	**0.031**
DVCEMTA	RCE		1.523													**1.523**			**1.523**
	TOT	**0.000**	**1.523**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.523**	**0.000**	**0.000**	**1.523**
RRVUNL	WC		0.953													**0.953**			**0.953**
	TOT	**0.000**	**0.953**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.953**	**0.000**	**0.000**	**0.953**
WBMDTCL	RCE	0.278					0.021		0.177			0.037	0.003	0.017	0.201	**0.734**			**0.734**
	TOT	**0.278**	**0.000**	**0.000**	**0.000**	**0.000**	**0.021**	**0.000**	**0.177**	**0.000**	**0.000**	**0.037**	**0.003**	**0.017**	**0.201**	**0.734**	**0.000**	**0.000**	**0.734**
WBPDCL	RCE		2.432													**2.432**			**2.432**
	TOT	**0.000**	**2.432**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.432**	**0.000**	**0.000**	**2.432**
PSEB-PANEM	RCE		5.852													**5.852**			**5.852**
	TOT	**0.000**	**5.852**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.852**	**0.000**	**0.000**	**5.852**
KECML	RCE		2.472													**2.472**			**2.472**
	TOT	**0.000**	**2.472**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.472**	**0.000**	**0.000**	**2.472**
MPSMCL	RCE															**0.000**			**0.000**
	TOT	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
PUBLIC	**RCE**	**340.113**	**43.336**	**0.000**	**0.000**	**0.688**	**11.636**	**1.221**	**8.762**	**0.738**	**0.351**	**1.906**	**0.360**	**4.003**	**56.713**	**469.827**	**0.351**	**0.000**	**470.178**
	WC	**10.043**	**1.388**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**11.431**	**0.000**	**0.000**	**11.431**
	MID	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
	TOT	**350.156**	**44.724**	**0.000**	**0.000**	**0.688**	**11.636**	**1.221**	**8.762**	**0.738**	**0.351**	**1.906**	**0.360**	**4.003**	**56.713**	**481.258**	**0.351**	**0.000**	**481.609**

Contd...

TABLE-4.20: SECTORWISE OFFTAKE OF NON-COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION-COMPANYWISE IN 2013-14

(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)**
MEG	RCE														5.732	**5.732**			**5.732**
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**	**5.732**	**5.732**	**0.000**	**0.000**	**5.732**
ICML	RCE	3.278														**3.278**			**3.278**
	TOT	**3.278**	**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**	3.278	**0.000**	**0.000**	**3.278**
JSPL	RCE								0.239							**0.239**			**0.239**
	WC		0.071						2.022							**2.093**			**2.093**
	MID		3.847													**3.847**			**3.847**
	TOT	**0.000**	**3.918**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**2.261**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	6.179	**0.000**	**0.000**	**6.179**
HIL	RCE		2.453													**2.453**			**2.453**
	TOT	**0.000**	**2.453**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	2.453	**0.000**	**0.000**	**2.453**
MIEL	RCE								0.905							**0.905**			**0.905**
	TOT	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.905**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.905	**0.000**	**0.000**	**0.905**
BLA	WC	0.196					0.109									**0.305**			**0.305**
	TOT	**0.196**	**0.000**	**0.000**	**0.000**	**0.000**	**0.109**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.305	**0.000**	**0.000**	**0.305**
PIL	RCE								1.000							**1.000**			**1.000**
	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								0.394							**0.394**			**0.394**
	TOT	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.394**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.394	**0.000**	**0.000**	**0.394**
JPL	RCE		4.431						1.792							**6.223**			**6.223**
	WC		1.146													**1.146**			**1.146**
	TOT	**0.000**	**5.577**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**1.792**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	7.369	**0.000**	**0.000**	**7.369**
SIL	RCE		0.054						0.105							**0.159**			**0.159**
	WC		0.061						0.082							**0.143**			**0.143**
	TOT	**0.000**	**0.115**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.187**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.302	**0.000**	**0.000**	**0.302**
ESCL	RCE													0.004		**0.004**			**0.004**
	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**	**0.004**	**0.000**	0.004	**0.000**	**0.000**	**0.004**
UML	RCE								0.759							**0.759**			**0.759**
	TOT	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.759**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.759	**0.000**	**0.000**	**0.759**
SEML	RCE		0.176						0.117							**0.293**			**0.293**
	WC								0.336							**0.336**			**0.336**
	MID	0.007														**0.007**			**0.007**
	TOT	**0.007**	**0.176**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.453**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.636	**0.000**	**0.000**	**0.636**
BSIL	RCE								0.027							**0.027**			**0.027**
	TOT	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.027**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.027	**0.000**	**0.000**	**0.027**
TUML-SVSL	RCE		0.079						0.221							**0.300**			**0.300**
	TOT	**0.000**	**0.079**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.221**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	0.300	**0.000**	**0.000**	**0.300**
SPL	RCE		1.845													**1.845**			**1.845**
	TOT	**0.000**	**1.845**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	1.845	**0.000**	**0.000**	**1.845**
SOVA	RCE		0.048						0.204						0.027	**0.279**			**0.279**
	TOT	**0.000**	**0.048**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.204**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.027**	0.279	**0.000**	**0.000**	**0.279**
PRIVATE	**RCE**	**3.278**	**9.086**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**5.763**	**0.000**	**0.000**	**0.000**	**0.000**	**0.004**	**5.759**	23.890	**0.000**	**0.000**	**23.890**
	WC	**0.196**	**1.278**	**0.000**	**0.000**	**0.000**	**0.109**	**0.000**	**2.440**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	4.023	**0.000**	**0.000**	**4.023**
	MID	**0.007**	**3.847**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	3.854	**0.000**	**0.000**	**3.854**
	TOT	**3.481**	**14.211**	**0.000**	**0.000**	**0.000**	**0.109**	**0.000**	**8.203**	**0.000**	**0.000**	**0.000**	**0.000**	**0.004**	**5.759**	31.767	**0.000**	**0.000**	**31.767**
GRAND TOTAL	**RCE**	**343.391**	**52.422**	**0.000**	**0.000**	**0.688**	**11.636**	**1.221**	**14.525**	**0.738**	**0.351**	**1.906**	**0.360**	**4.007**	**62.472**	493.717	**0.351**	**0.000**	**494.068**
	WC	**10.239**	**2.666**	**0.000**	**0.000**	**0.000**	**0.109**	**0.000**	**2.440**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	15.454	**0.000**	**0.000**	**15.454**
	MID	**0.007**	**3.847**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	3.854	**0.000**	**0.000**	**3.854**
	TOT	**353.637**	**58.935**	**0.000**	**0.000**	**0.688**	**11.745**	**1.221**	**16.965**	**0.738**	**0.351**	**1.906**	**0.360**	**4.007**	**62.472**	513.025	**0.351**	**0.000**	**513.376**

TABLE-4.21: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDLINGS FOR FINAL CONSUMTION TO DIFFERENT STATES: 2013-14

(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)**
An. Pradesh	Raw Coal (FC)	45.048	3.241	0.007			3.652		0.437		0.208	0.986	0.014	0.023	3.176	**56.792**	0.050		**56.842**
An. Pradesh	Washed Coal		0.418													**0.418**			**0.418**
An. Pradesh	**Tot Coal (FC)**	**45.048**	**3.659**	**0.007**			**3.652**		**0.437**		**0.208**	**0.986**	**0.014**	**0.023**	**3.176**	**57.210**	**0.050**		**57.260**
Assam	Raw Coal (FC)						0.021								0.056	**0.077**			**0.077**
Assam	**Tot Coal (FC)**						**0.021**								**0.056**	**0.077**			**0.077**
Bihar	Raw Coal (FC)	2.657			0.011										0.665	**3.333**			**3.333**
Bihar	**Tot Coal (FC)**	**2.657**			**0.011**										**0.665**	**3.333**			**3.333**
Chhattisgarh	Raw Coal (FC)	38.565	8.455	0.107		0.375	1.418		5.934			0.021			0.249	**55.124**	0.009		**55.133**
Chhattisgarh	Washed Coal		1.642		0.445				2.358							**4.445**			**4.445**
Chhattisgarh	Middlings		3.875													**3.875**			**3.875**
Chhattisgarh	**Tot Coal (FC)**	**38.565**	**13.972**	**0.107**	**0.445**	**0.375**	**1.418**		**8.292**			**0.021**			**0.249**	**63.444**	**0.009**		**63.453**
Delhi	Raw Coal (FC)	4.279					0.015					0.084			0.113	**4.491**			**4.491**
Delhi	Washed Coal	0.985														**0.985**			**0.985**
Delhi	Middlings	0.023														**0.023**			**0.023**
Delhi	**Tot Coal (FC)**	**5.287**					**0.015**					**0.084**			**0.113**	**5.499**			**5.499**
GOA	Raw Coal (FC)		0.006						0.037							**0.043**			**0.043**
GOA	**Tot Coal (FC)**		**0.006**						**0.037**							**0.043**			**0.043**
Gujarat	Raw Coal (FC)	14.525	0.431				0.086	0.596			0.052	0.005	0.028		0.294	**16.017**			**16.017**
Gujarat	**Tot Coal (FC)**	**14.525**	**0.431**				**0.086**	**0.596**			**0.052**	**0.005**	**0.028**		**0.294**	**16.017**			**16.017**
Haryana	Raw Coal (FC)	13.293					0.016	0.439							0.065	**13.813**			**13.813**
Haryana	Washed Coal	0.079														**0.079**			**0.079**
Haryana	**Tot Coal (FC)**	**13.372**					**0.016**	**0.439**							**0.065**	**13.892**			**13.892**
H.Pradesh	Raw Coal (FC)						0.281									**0.281**			**0.281**
H.Pradesh	**Tot Coal (FC)**						**0.281**									**0.281**			**0.281**
J.& K	Raw Coal (FC)						0.015					0.008	0.001	0.011	0.012	**0.047**			**0.047**
J.& K	**Tot Coal (FC)**						**0.015**					**0.008**	**0.001**	**0.011**	**0.012**	**0.047**			**0.047**
Jharkhand	Raw Coal (FC)	28.113	1.316	0.076	0.782		0.009		1.436		0.020		0.004	0.004	6.866	**38.626**	0.074	0.010	**38.710**
Jharkhand	Washed Coal	0.397	0.429		4.117											**4.943**			**4.943**
Jharkhand	Middlings	1.900	1.222												0.001	**3.123**			**3.123**
Jharkhand	**Tot Coal (FC)**	**30.410**	**2.967**	**0.076**	**4.899**		**0.009**		**1.436**		**0.020**		**0.004**	**0.004**	**6.867**	**46.692**	**0.074**	**0.010**	**46.776**
Kerala	Raw Coal (FC)						0.031					0.052				**0.083**			**0.083**
Kerala	**Tot Coal (FC)**						**0.031**					**0.052**				**0.083**			**0.083**
Karnataka	Raw Coal (FC)	8.089	3.351				1.706		0.053		0.007	0.203	0.203		0.100	**13.712**			**13.712**
Karnataka	**Tot Coal (FC)**	**8.089**	**3.351**				**1.706**		**0.053**		**0.007**	**0.203**	**0.203**		**0.100**	**13.712**			**13.712**
Maharashtra	Raw Coal (FC)	40.860	0.867				1.829		0.657		0.025	0.135	0.033		5.073	**49.479**	0.003		**49.482**
Maharashtra	Washed Coal		0.061						0.082							**0.143**			**0.143**
Maharashtra	**Tot Coal (FC)**	**40.860**	**0.928**				**1.829**		**0.739**		**0.025**	**0.135**	**0.033**		**5.073**	**49.622**	**0.003**		**49.625**
Meghalaya	Raw Coal (FC)														5.732	**5.732**			**5.732**
Meghalaya	**Tot Coal (FC)**														**5.732**	**5.732**			**5.732**

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TABLE-4.21: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDLINGS FOR FINAL CONSUMTION TO DIFFERENT STATES: 2013-14

(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)**
M. Pradesh	Raw Coal (FC)	31.727	3.754		0.039		1.362		0.111		0.019	0.259	0.040	1.460	1.820	**40.591**	0.008		**40.599**
M. Pradesh	Washed Coal	0.218					0.109									**0.327**			**0.327**
M. Pradesh	Middlings	0.089														**0.089**			**0.089**
M. Pradesh	**Tot Coal (FC)**	**32.034**	**3.754**		**0.039**		**1.471**		**0.111**		**0.019**	**0.259**	**0.040**	**1.460**	**1.820**	**41.007**	**0.008**		**41.015**
Odisha	Raw Coal (FC)	25.671	12.578	0.272		0.090	0.394	0.037	2.688	0.480		0.095			18.452	**60.757**	0.005		**60.762**
Odisha	Washed Coal				0.493											**0.493**			**0.493**
Odisha	Middlings		0.242													**0.242**			**0.242**
Odisha	**Tot Coal (FC)**	**25.671**	**12.820**	**0.272**	**0.493**	**0.090**	**0.394**	**0.037**	**2.688**	**0.480**		**0.095**			**18.452**	**61.492**	**0.005**		**61.497**
Others	Raw Coal (FC)														18.239	**18.239**			**18.239**
Others	Middlings														0.250	**0.250**			**0.250**
Others	**Tot Coal (FC)**														**18.489**	**18.489**			**18.489**
Panjab	Raw Coal (FC)	5.159	6.223					0.693							0.240	**12.315**			**12.315**
Panjab	**Tot Coal (FC)**	**5.159**	**6.223**					**0.693**							**0.240**	**12.315**			**12.315**
Rajasthan	Raw Coal (FC)	14.470	2.717				0.458	0.275					0.035		0.038	**17.993**			**17.993**
Rajasthan	Washed Coal	0.389	0.953													**1.342**			**1.342**
Rajasthan	**Tot Coal (FC)**	**14.859**	**3.670**				**0.458**	**0.275**					**0.035**		**0.038**	**19.335**			**19.335**
Tamilnadu	Raw Coal (FC)	14.863	0.614				0.127		0.001			0.015			0.031	**15.651**			**15.651**
Tamilnadu	Washed Coal				0.002											**0.002**			**0.002**
Tamilnadu	**Tot Coal (FC)**	**14.863**	**0.614**		**0.002**		**0.127**		**0.001**			**0.015**			**0.031**	**15.653**			**15.653**
U. Pradesh	Raw Coal (FC)	57.135	4.189		0.032		0.155	0.248	0.100	0.258				2.710	2.415	**67.242**			**67.242**
U. Pradesh	Washed Coal	8.167														**8.167**			**8.167**
U. Pradesh	Middlings	0.355														**0.355**			**0.355**
U. Pradesh	**Tot Coal (FC)**	**65.657**	**4.189**		**0.032**		**0.155**	**0.248**	**0.100**	**0.258**				**2.710**	**2.415**	**75.764**			**75.764**
Uttaranchal	Raw Coal (FC)		0.362												0.146	**0.508**			**0.508**
Uttaranchal	**Tot Coal (FC)**		**0.362**												**0.146**	**0.508**			**0.508**
W. Bengal	Raw Coal (FC)	36.508	4.446	0.045	0.020	0.347	0.024		1.186		0.020	0.071	0.003	0.017	3.036	**45.723**	0.266		**45.989**
W. Bengal	Washed Coal	0.004			0.751											**0.755**			**0.755**
W. Bengal	Middlings	0.135	0.629		0.001				0.026							**0.791**			**0.791**
W. Bengal	**Tot Coal (FC)**	**36.647**	**5.075**	**0.045**	**0.772**	**0.347**	**0.024**		**1.212**		**0.020**	**0.071**	**0.003**	**0.017**	**3.036**	**47.269**	**0.266**		**47.535**
All India	**Raw Coal (FC)**	**380.962**	**52.550**	**0.507**	**0.884**	**0.812**	**11.599**	**2.288**	**12.640**	**0.738**	**0.351**	**1.934**	**0.361**	**4.225**	**66.818**	**536.669**	**0.415**	**0.010**	**537.094**
All India	**Washed Coal**	**10.239**	**3.503**	**0.000**	**5.808**	**0.000**	**0.109**	**0.000**	**2.440**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**22.099**	**0.000**	**0.000**	**22.099**
All India	**Middlings**	**2.502**	**5.968**	**0.000**	**0.001**	**0.000**	**0.000**	**0.000**	**0.026**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.251**	**8.748**	**0.000**	**0.000**	**8.748**
All India	**Tot Coal (FC)**	**393.703**	**62.021**	**0.507**	**6.693**	**0.812**	**11.708**	**2.288**	**15.106**	**0.738**	**0.351**	**1.934**	**0.361**	**4.225**	**67.069**	**567.516**	**0.415**	**0.010**	**567.941**

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)
2004-05	21.103	360.782	**381.885**	357.175	1.175	**358.350**	23.578	0.146	21.833	**21.979**	21.483	0.002	**21.485**	0.391	21.249	382.615	**403.864**	378.658	1.177	**379.835**	23.969
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

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)
2004-05	0.218	23.125	**23.343**	22.822	0.009	**22.831**	0.411	21.031	359.490	**380.521**	355.836	1.168	**357.004**	23.558	21.249	382.615	**403.864**	378.658	1.177	**379.835**	23.969
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

TABLE 4.24: AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2012-13 & 2013-14

(Quantity in Million Tonnes)

Company	2012-13							2013-14						
	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	69.551	452.200	**521.751**	464.537	0.410	**464.947**	58.168	58.168	462.413	**520.581**	470.916	0.374	**471.290**	48.683
SCCL	3.038	53.190	**56.228**	52.025	0.055	**52.080**	3.020	3.020	50.469	**53.489**	47.892	0.050	**47.942**	5.548
JKML	0.003	0.019	**0.022**	0.014		**0.014**	0.005	0.005	0.019	**0.024**	0.013		**0.013**	0.013
JSMDCL	0	0	**0**	0		**0**	0	0.000	0.000	**0**	0		**0**	0.000
DVC	0	0.203	**0.203**	0.226	0.001	**0.227**	0.011	0.011	0.054	**0.065**	0.045		**0.045**	0.020
DVC EMTA	0.017	1.836	**1.853**	1.844		**1.844**	0.009	0.009	1.519	**1.528**	1.523		**1.523**	0.005
IISCO	0.009	0.715	**0.724**	0.716		**0.716**	0.008	0.008	0.622	**0.630**	0.622		**0.622**	0.009
SAIL	0	0.102	**0.102**	0.097		**0.097**	0.006	0.006	0.069	**0.075**	0.075		**0.075**	0.000
APMDTCL	0.004	0.073	**0.077**	0.055		**0.055**	0.022	0.022		**0.022**			**0.000**	0.000
WBPDCL	0.029	3.266	**3.295**	3.256	0.000	**3.256**	0.039	0.039	2.606	**2.645**	2.610		**2.610**	0.034
RRVUNL		0.293		0.293		**0.293**	0	0.000	1.197	**1.197**	1.197		**1.197**	0.000
WBMDTCL		0.348		0.265		**0.265**	0.085	0.085	0.726	**0.811**	0.734		**0.734**	0.077
PSEB/PANEM	0.029	6.926	**6.955**	6.872		**6.872**	0.083	0.083	5.879	**5.962**	5.852		**5.852**	0.110
KECML	0.009	2.506	**2.515**	2.515		**2.515**	0		2.502	**2.502**	2.472		**2.472**	0.030
MPSMCL									0.005	**0.005**			**0.000**	0.005
PUBLIC	**72.689**	**521.677**	**593.725**	**532.715**	**0.466**	**533.181**	**61.456**	**61.456**	**528.080**	**589.536**	**533.951**	**0.424**	**534.375**	**54.534**
TISCO	0.034	7.295	**7.329**	7.314	0.001	**7.315**	0.014	0.014	6.972	**6.986**	6.969	0.001	**6.970**	0.017
Meghalaya	0	5.640	**5.640**	5.640		**5.640**	0.000		5.732	**5.732**	5.732		**5.732**	0.000
ICML	0.941	3.129	**4.070**	3.221		**3.221**	0.848	0.848	2.708	**3.556**	3.278		**3.278**	0.278
JSPL	0.010	5.999	**6.009**	5.999		**5.999**	0.010	0.010	5.999	**6.009**	5.999		**5.999**	0.010
HIL	0.139	2.237	**2.376**	2.254		**2.254**	0.122	0.122	2.478	**2.600**	2.453		**2.453**	0.144
MIEL	0.012	0.795	**0.807**	0.798		**0.798**	0.008	0.008	0.919	**0.927**	0.905		**0.905**	0.022
BLA	0	0.300	**0.300**	0.300		**0.300**	0.000	0.000	0.300	**0.300**	0.300		**0.300**	0.000
CML	0.020	0	**0.020**	0		**0**	0	0	0.000	**0**	0		**0**	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**	0.001
JNL	0.023	0.480	**0.503**	0.479	0.001	**0.480**	0.025	0.025	0.446	**0.471**	0.394		**0.394**	0.076
JPL	0.002	5.250	**5.252**	5.088		**5.088**	0.164	0.164	6.226	**6.390**	6.223		**6.223**	0.005
SIL	0.015	0.248	**0.263**	0.244		**0.244**	0.020	0.020	0.148	**0.168**	0.159		**0.159**	0.009
ESCL	0.108	0.099	**0.207**	0.074		**0.074**	0.093	0.093	0.461	**0.554**	0.370		**0.370**	0.157
UML	0.005	0.560	**0.565**	0.564		**0.564**	0.001	0.001	0.762	**0.763**	0.759		**0.759**	0.004
SEML	0.001	0.976	**0.977**	0.893		**0.893**	0.084	0.084	1.165	**1.249**	1.117		**1.117**	0.131
BSIL	0.013	0.062	**0.075**	0.019		**0.019**	0.055	0.055	0.081	**0.136**	0.027		**0.027**	0.109
TUML/SVSL	0.027	0.341	**0.368**	0.367		**0.367**	0.001	0.001	0.317	**0.318**	0.300		**0.300**	0.017
SPL		0.225	**0.225**	0.081		**0.081**	0.144	0.144	1.695	**1.839**	1.845		**1.845**	0.000
SOVA		0.089	**0.089**	0.086		**0.086**	0.003	0.003	0.276	**0.279**	0.279		**0.279**	0.000
GVK								0.000		**0.000**			**0.000**	0.000
PRIVATE	**1.351**	**34.725**	**36.076**	**34.421**	**0.002**	**34.423**	**1.593**	**1.593**	**37.685**	**39.278**	**38.109**	**0.001**	**38.110**	**0.980**
INDIA	**74.040**	**556.402**	**629.801**	**567.136**	**0.468**	**567.604**	**63.049**	**63.049**	**565.765**	**628.814**	**572.060**	**0.425**	**572.485**	**55.514**

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	2009-10	0.323										**0.323**
GIPCL	2009-10	1.714										**1.714**
GMDCL	2009-10	2.939		0.093		0.728		1.718	0.406	0.332	2.158	**8.374**
NLCL	2009-10	22.385		0.218				0.098	0.035	0.005	0.071	**22.812**
RSMML	2009-10	0.781		0.069		0.057		0.002	0.071	0.166	0.061	**1.207**
TOTAL	**2009-10**	**28.142**	**0.000**	**0.380**	**0.000**	**0.785**	**0.000**	**1.818**	**0.512**	**0.503**	**2.290**	**34.430**
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**

TABLE 4.26 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF *RAW COAL & LIGNITE* DURING 2012-13 & 2013-14

(Quantity in Million Tonnes)

Availability (within India)	2012-13	2013-14
(A) Production		
Coking Coal	51.582	56.818
Non-coking Coal	504.820	508.947
Lignite	46.453	44.271
Total	**602.855**	**610.036**
(B) Change of Vendible Stock (Closing - 0pening)		
Coking Coal	-3.096	-1.624
Non-coking Coal	-7.895	-5.911
Lignite	0.442	0.367
Total Change (Cl - Op)	**-10.549**	**-7.168**
(C) Import		
Coking Coal	35.557	36.872
Non-coking Coal	110.228	129.985
Total Raw Coal	**145.785**	**166.857**
(D) Export	**2.443**	**2.188**
(E) Total Availability	**756.746**	**781.873**

Supply (within India)	2012-13				2013-14			
Sectors	Raw Coal	Lignite	Imported Coal	**Total**	Raw Coal	Lignite	Imported Coal	**Total**
Steel & Washery	16.145	0.049	35.557	**51.751**	16.175	0.030	36.872	**53.077**
Power (Utility+Captive)	446.764	37.199	38.702	**522.665**	448.952	36.336	44.296	**529.584**
Cement	13.113	1.097	18.023	**32.233**	11.936	1.489	20.520	**33.945**
Textile	0.304	3.468		**3.772**	0.360	0.733		**1.093**
Sponge Iron	20.903			**20.903**	18.493			**18.493**
Fertilizer & Chem.	2.861	0.594		**3.455**	2.639	0.166		**2.805**
Paper	2.118	0.694		**2.812**	1.906	1.29		**3.196**
Brick	2.006	0.866		**2.872**	4.007	1.003		**5.010**
Others	62.922	2.346	53.503	**118.771**	67.592	2.850	65.169	**135.611**
Colliery Consmn.	0.468			**0.468**	0.425			**0.425**
Total Off-take	**567.604**	**46.313**	**145.785**	**759.702**	**572.485**	**43.897**	**166.857**	**783.239**
Statistical Difference				**-2.956**				**-1.366**
Total Supply				**756.746**				**781.873**

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

TABLE 4.27 : CAPTIVE BLOCK WISE DESPATCH OF RAW COAL DURING 2013-14

(Quantity in Million Tonnes)

Block	Company	State	Coking Coal	Non Coking Coal	**Total Coal**
Namchik Namphuk	APMDTCL	Arunachal Pradesh			
Parsa East & Kanta Basan	RRUVNL	Chhittsgarh		1.197	**1.197**
Tasra	SAIL/IISCO	Jharkhand	0.044	0.031	**0.075**
Panchwara North	WBPDCL	Jharkhand		0.082	**0.082**
Pachwara Central	PSEB-PANEM	Jharkhand		5.852	**5.852**
Amelia North	MPSMCL	Madhya Pradesh		0.000	**0.000**
Baranj I-IV, Kiloni,Manora Deep	KECML	Maharashtra		2.472	**2.472**
Barjora North	DVCEMTA	West Bengal		1.523	**1.523**
Trans Damodar	WBMDTCL	West Bengal		0.734	**0.734**
Tara East & West	WBPDCL	West Bengal		2.307	**2.307**
Barjore	WBPDCL	West Bengal		0.043	**0.043**
Gangaramchak & Bhadulia	WBPDCL	West Bengal		0.178	**0.178**
Total Public			**0.044**	**14.419**	**14.463**
Chotia	PIL	Chhittsgarh		1.000	**1.000**
Gare Palma IV/1	JSPL	Chhittsgarh		5.999	**5.999**
Gare Palma IV/2&3	JPL	Chhittsgarh		6.223	**6.223**
Gare Palma IV/4	JNL	Chhittsgarh		0.394	**0.394**
Gare Palma IV/5	MIEL	Chhittsgarh		0.905	**0.905**
Gare Palma IV/7	SEML	Chhittsgarh		1.117	**1.117**
Kathautia	UML	Jharkhand		0.759	**0.759**
Parbatpur Central	ESCL	Jharkhand	0.366	0.004	**0.370**
Gotitoria East & West	BLA	Madhya Pradesh		0.300	**0.300**
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		1.845	**1.845**
Belgaon	SIL	Maharashtra		0.159	**0.159**
Marki Mangli I	BSIL	Maharashtra		0.027	**0.027**
Marki Mangli II-III	TUML-SVSL	Maharashtra		0.300	**0.300**
Talabira I	HIL	Odisha		2.453	**2.453**
Ardhagram	SOVA	West Bengal		0.279	**0.279**
Sarshatali	ICML	West Bengal		3.278	**3.278**
Total Private			**0.366**	**25.042**	**25.408**
Grand Total			**0.410**	**39.461**	**39.871**

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 2013-14, the pit head closing stock of coal and lignite were 55.514 MT and 1.860 MT respectively. While the stock of coal decreased over the last year, the stock of lignite increased over the last year. Statement 5.1 depicts the pit head closing stock for the current year as well as previous year.

Statement 5.1 Pit Head Closing Stock (MT) of Coal and Lignite in India in 2012-13 and 2013-14

Company	Year	
	2012-13	2013-14
Metallurgical	1.480	1.139
Non-metallurgical	6.556	5.273
Total Coking Coal	**8.036**	**6.412**
Non-coking	55.013	49.102
Total Raw Coal	**63.049**	**55.514**
Lignite	1.493	1.860

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.

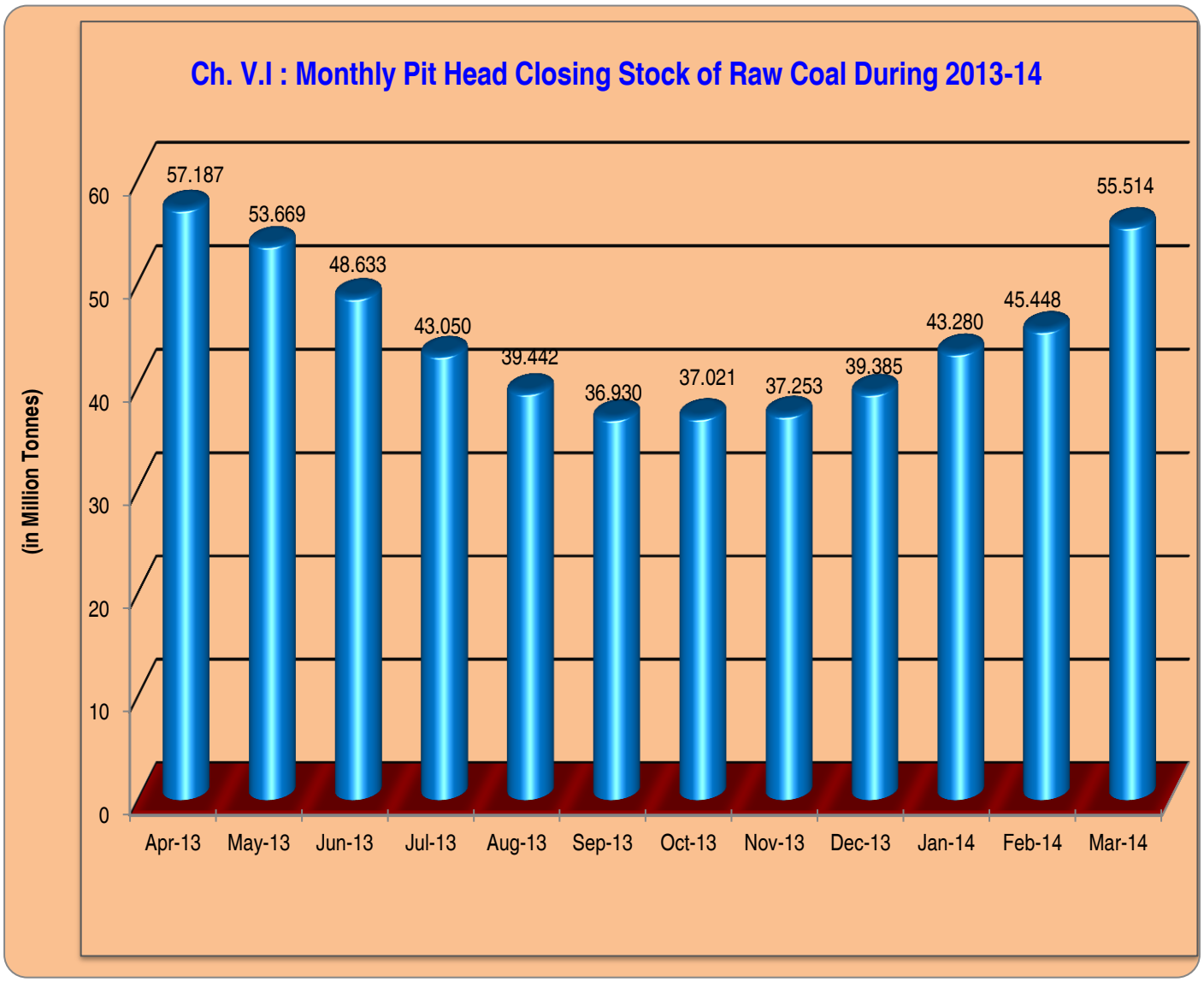
Year	Pit Head Closing Stock (MT)	
	Raw Coal	Lignite
2004-05	23.969	0.536
2005-06	34.334	0.525
2006-07	44.348	1.002
2007-08	46.779	0.328
2008-09	47.317	0.903
2009-10	64.863	0.565
2010-11	72.192	0.610
2011-12	74.040	1.051
2012-13	63.049	1.493
2013-14	55.514	1.860

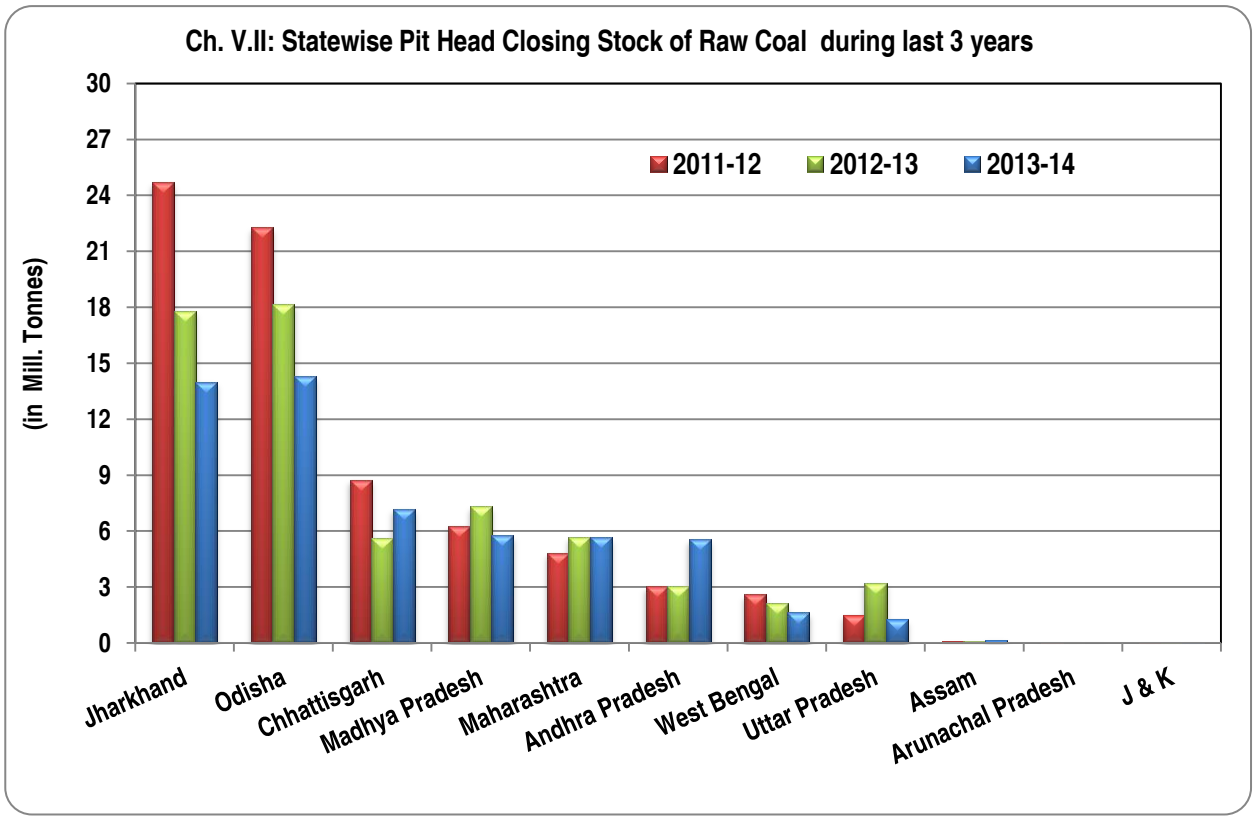
It is observed that in case of coal, the pit head closing stock has been increasing over the years till 2011-12 whereas in 2012-13 it has decreased. In 2013-14 it has further decreased from 63.049 MT in 2012-13 to 55.514 MT. The trend in case of lignite is fluctuating one.

Statement 5.3 shows pit head closing stock of coal by companies during the period 2012-13 and 2013-14. It shows significant change in Pit head closing stock of coal in 2013-14 over 2012-13. 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	
	2012-13	2013-14
(1)	(2)	(3)
COAL		
ECL	2.114	1.913
BCCL	5.090	3.576
CCL	11.504	9.405
NCL	9.579	6.107
WCL	5.816	5.600
SECL	5.930	7.764
MCL	18.053	14.149
NEC	0.082	0.169
CIL	**58.168**	**48.683**
SCCL	3.020	5.548
OTHER PUBLIC	0.268	0.303
PUBLIC	61.456	54.534
PRIVATE	1.593	0.980
TOTAL	**63.049**	**55.514**
LIGNITE		
NLC	1.121	1.739
GIPCL	0.296	0.053
GHCL	0.024	0.016
VSPPL	-	0.051
BLMCL	0.052	0.001
TOTAL	**1.493**	**1.860**


Ch. V.I : Monthly Pit Head Closing Stock of Raw Coal During 2013-14
(in Million Tonnes)
0
10
20
30
40
50
60
57.187
53.669
48.633
43.050
39.442
36.930
37.021
37.253
39.385
43.280
45.448
55.514
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14


Ch. V.II: Statewise Pit Head Closing Stock of Raw Coal during last 3 years
(in Mill. Tonnes)
30
27
24
21
18
15
12
9
6
3
0
2011-12
2012-13
2013-14
Jharkhand
Odisha
Chhattisgarh
Madhya Pradesh
Maharashtra
Andhra Pradesh
West Bengal
Uttar Pradesh
Assam
Arunachal Pradesh
J & K

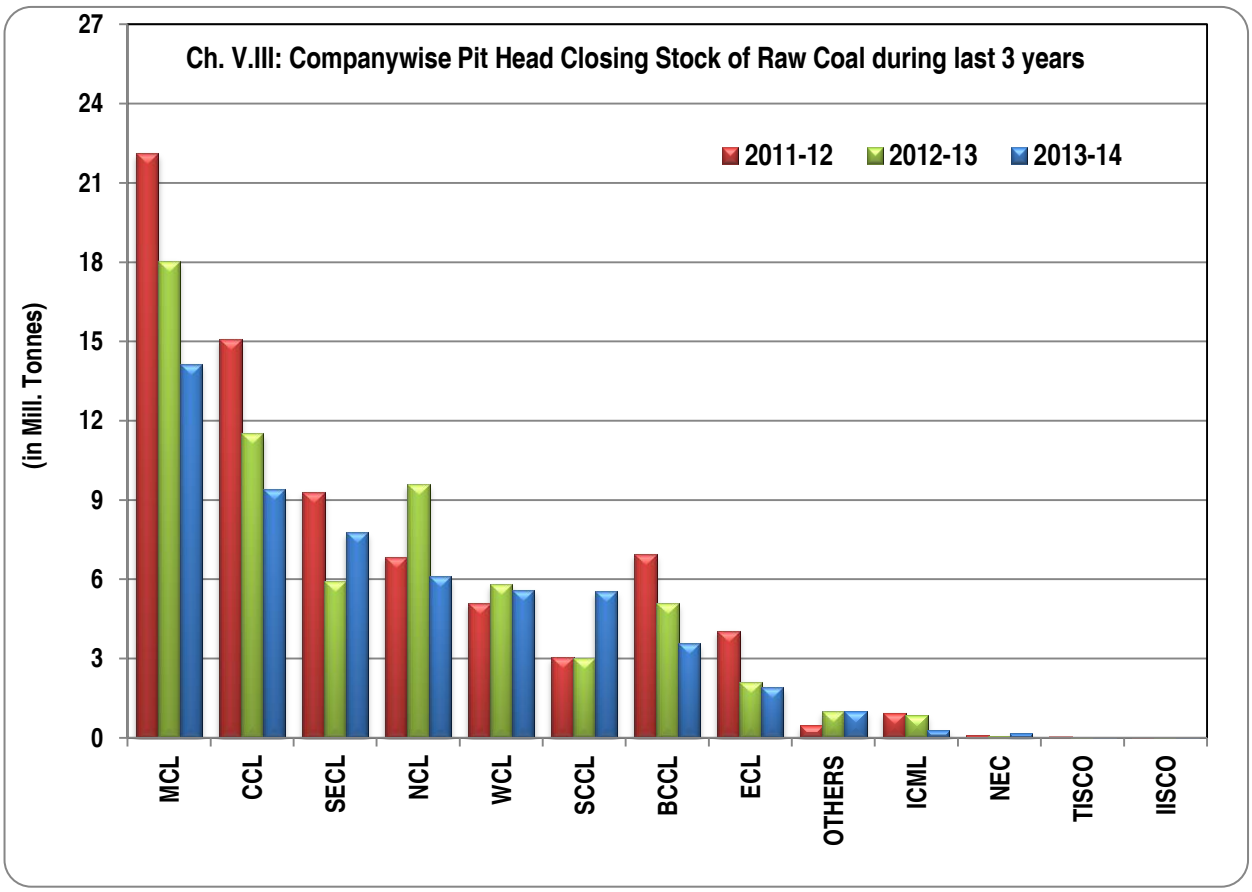

Ch. V.III: Companywise Pit Head Closing Stock of Raw Coal during last 3 years
(in Mill. Tonnes)
27
24
21
18
15
12
9
6
3
0
2011-12
2012-13
2013-14
MCL
CCL
SECL
NCL
WCL
SCCL
BCCL
ECL
OTHERS
ICML
NEC
TISCO
IISCO

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)
2004-05	23.969	97.81	12.58	0.536	2.19	152.83	24.505	13.96
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

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

(Quantity in Million Tonnes)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal							
	Pit-head Closing Stock	Share in total solid coking coal (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total coking coal (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total solid fossil fuel (%)	Change over previous year (%)	Pit-head Closing Stock	Share in coal (%)	Change over previous year (%)	**Pit-head Closing Stock**	Change over previous year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	**(14)**	(15)
2004-05	1.925	55.0	14.2	1.574	45.0	79.1	3.499	14.6	36.5	20.470	85.4	9.3	**23.969**	12.6
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

TABLE-5.3 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2013-14

(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-13	57.187	1.593	0.209	0.207	0.257	1.275	0.034
May-13	53.669	1.678	0.188	0.170	0.279	1.221	0.049
Jun-13	48.633	1.758	0.175	0.113	0.294	1.261	0.074
1st Quarter	**48.633**	**1.758**	**0.175**	**0.113**	**0.294**	**1.261**	**0.074**
Jul-13	43.050	1.075	0.172	0.126	0.274	1.344	0.078
Aug-13	39.442	1.042	0.175	0.197	0.288	1.366	0.078
Sep-13	36.930	1.042	0.172	0.245	0.284	1.388	0.071
2nd Quarter	**36.930**	**1.042**	**0.172**	**0.245**	**0.284**	**1.388**	**0.071**
Oct-13	37.021	0.925	0.171	0.305	0.248	1.335	0.071
Nov-13	37.253	0.925	0.187	0.293	0.223	1.176	0.059
Dec-13	39.385	1.125	0.163	0.344	0.203	1.187	0.081
3rd Quarter	**39.385**	**1.125**	**0.163**	**0.344**	**0.203**	**1.187**	**0.081**
Jan-14	43.280	1.135	0.164	0.210	0.226	1.228	0.092
Feb-14	45.448	1.265	0.195	0.231	0.267	1.273	0.085
Mar-14	55.514	1.860	0.175	0.541	0.296	1.301	0.082
4th Quarter	**55.514**	**1.860**	**0.175**	**0.541**	**0.296**	**1.301**	**0.082**

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

(Quantity in Million Tonnes)

Year	State: Andhra Pradesh			State: Assam			State: Chhattisgarh		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2004-05	0.733	3.06	169.49	0.388	1.62	17.22	2.887	12.04	-9.89
2005-06	1.419	4.13	93.59	0.316	0.92	-18.56	4.589	13.37	58.95
2006-07	1.485	3.35	4.65	0.182	0.41	-42.41	7.066	15.93	53.98
2007-08	0.143	0.31	-90.37	0.079	0.17	-56.59	6.012	12.85	-14.92
2008-09	0.152	0.32	6.29	0.252	0.53	218.99	4.303	9.09	-28.43
2009-10	1.224	1.89	705.26	0.294	0.45	16.67	7.015	10.82	63.03
2010-11	2.413	3.34	97.14	0.293	0.41	-0.34	9.731	13.48	38.72
2011-12	3.038	4.10	25.90	0.095	0.13	-67.58	8.732	11.79	-10.27
2012-13	3.020	4.79	-0.59	0.082	0.13	-13.68	5.639	8.94	-35.42
2013-14	5.548	9.99	83.71	0.169	0.30	106.10	7.186	12.94	27.43

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)
2004-05	0.002	0.01	-60.00	9.519	39.71	6.55	1.972	8.23	9.31
2005-06	0.000	0.00	-100.00	14.910	43.43	56.63	2.194	6.39	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

Year	State: Maharashtra			State: Arunachal Pradesh			State: Odisha		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2004-05	1.894	7.90	111.15				3.053	12.74	-3.17
2005-06	3.213	9.36	69.64				4.454	12.97	45.89
2006-07	3.914	8.83	21.82				8.023	18.09	80.13
2007-08	2.924	6.25	-25.29	0.010	0.02	0.00	12.357	26.42	54.02
2008-09	2.386	5.04	-18.40	0.022	0.05	120.00	17.474	36.93	41.41
2009-10	2.701	4.16	13.20	0.049	0.08	122.73	23.409	36.09	33.96
2010-11	3.793	5.25	40.43	0.104	0.14	112.24	21.611	29.94	-7.68
2011-12	4.841	6.54	27.63	0.004	0.01	-96.15	22.261	30.07	3.01
2012-13	5.656	8.97	16.84	0.022	0.03	450.00	18.175	28.83	-18.35
2013-14	5.670	10.21	0.25	0.000	0.00	-100.00	14.293	25.75	-21.36

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

Contd.....

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

(Quantity in Million Tonnes)

Year	State: Uttar Pradesh			State: West Bengal			ALL INDIA	
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	**Quantity**	**Growth (%)**
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)
2004-05	0.788	3.29	-21.51	2.733	11.40	62.00	**23.969**	**12.58**
2005-06	0.656	1.91	-16.75	2.583	7.52	-5.49	**34.334**	**43.24**
2006-07	0.490	1.10	-25.30	2.041	4.60	-20.98	**44.348**	**29.17**
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**

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)
2004-05	0.491	91.60	204.97	0.045	8.40	-11.76			
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

Year	ALL INDIA	
	Quantity	**Growth (%)**
(11)	(12)	(13)
2004-05	**0.536**	**152.83**
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**

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	2011-12		2012-13		2013-14	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COAL :						
ECL	4.046	5.46	2.114	3.35	1.913	3.45
BCCL	6.955	9.39	5.090	8.07	3.576	6.44
CCL	15.099	20.39	11.504	18.25	9.405	16.94
NCL	6.843	9.24	9.579	15.19	6.107	11.00
WCL	5.093	6.88	5.816	9.22	5.600	10.09
SECL	9.298	12.56	5.930	9.41	7.764	13.99
MCL	22.122	29.88	18.053	28.63	14.149	25.49
NEC	0.095	0.13	0.082	0.13	0.169	0.30
CIL	**69.551**	**93.94**	**58.168**	**92.26**	**48.683**	**87.69**
SCCL	3.038	4.10	3.020	4.79	5.548	9.99
JKML	0.003	0.00	0.005	0.01	0.013	0.02
JSMDCL			0.000	0.00	0.000	0.00
DVC		0.00	0.011	0.02	0.020	0.04
DVC EMTA	0.017	0.02	0.009	0.01	0.005	0.01
IISCO	0.009	0.01	0.008	0.01	0.009	0.02
SAIL			0.006	0.01	0.000	0.00
APMDTCL	0.004	0.01	0.022	0.03	0.000	0.00
WBPDCL	0.029	0.039	0.039	0.062	0.034	0.061
PSWB/PANEM	0.029	0.04	0.083	0.13	0.110	0.20
RRVUNL			0.000	0.00	0.000	0.00
WBMDTCL			0.085	0.13	0.077	0.14
MPSMCL					0.005	0.01
KECML	0.009	0.01	0.000	0.00	0.030	0.05
PUBLIC	**72.689**	**98.18**	**61.456**	**97.47**	**54.534**	**98.23**
TISCO	0.034	0.05	0.014	0.02	0.017	0.03
Meghalaya			0.000	0.00	0.000	0.00
ICML	0.941	1.27	0.848	1.34	0.278	0.50
JSPL	0.010	0.01	0.010	0.02	0.010	0.02
HIL	0.139	0.19	0.122	0.19	0.144	0.26
MIEL	0.012	0.02	0.008	0.01	0.022	0.04
BLA		0.00	0.000	0.00	0.000	0.00
CML	0.020	0.03	0.000	0.00	0.000	0.00
PIL	0.001	0.00	0.001	0.00	0.001	0.00
JNL	0.023	0.03	0.025	0.04	0.076	0.14
JPL	0.002	0.00	0.164	0.26	0.005	0.01
SIL	0.015	0.02	0.020	0.03	0.009	0.02
ESCL	0.108	0.15	0.093	0.15	0.157	0.28
UML	0.005	0.01	0.001	0.00	0.004	0.01
SEML	0.001	0.00	0.084	0.13	0.131	0.24
BSIL	0.013	0.02	0.055	0.09	0.109	0.20
TUML/SVSL	0.027	0.04	0.001	0.00	0.017	0.03
SPL			0.144	0.23	0.000	0.00
SOVA			0.003	0.00	0.000	0.00
GVK			0.000	0	0.000	0
PRIVATE	**1.351**	**1.82**	**1.593**	**2.53**	**0.980**	**1.77**
ALL INDIA	**74.040**	**100.00**	**63.049**	**100.00**	**55.514**	**100.00**
LIGNITE :						
NLC	0.589	56.04	1.121	75.08	1.739	93.49
GMDCL						
GIPCL	0.452	43.01	0.296	19.83	0.053	2.85
GHCL	0.010	0.95	0.024	1.61	0.016	0.86
RSMML						
VSLPPL					0.051	
BLMCL			0.052	3.48	0.001	0.05
ALL INDIA	**1.051**	**100.00**	**1.493**	**100.00**	**1.860**	**97.26**
COAL & LIGNITE	**75.091**		**64.542**		**57.374**	

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	2011-2012			2012-2013			2013-2014		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	**SCCL**		3.038	**3.038**		3.020	**3.020**		5.548	**5.548**
Arunachal Pradesh	**APMDTCL**		**0.004**	**0.004**		**0.022**	**0.022**		**0.000**	**0.000**
Assam	**NEC**		**0.095**	**0.095**		**0.082**	**0.082**		**0.169**	**0.169**
Chhattisgarh	SECL	0.003	8.680	**8.683**	0.005	5.342	**5.347**	0.005	6.936	**6.941**
Chhattisgarh	MIEL		0.012	**0.012**		0.008	**0.008**		0.022	**0.022**
Chhattisgarh	JSPL		0.010	**0.010**		0.010	**0.010**		0.010	**0.010**
Chhattisgarh	PIL		0.001	**0.001**		0.001	**0.001**		0.001	**0.001**
Chhattisgarh	JNL		0.023	**0.023**		0.025	**0.025**		0.076	**0.076**
Chhattisgarh	JPL		0.002	**0.002**		0.164	**0.164**		0.005	**0.005**
Chhattisgarh	SEML		0.001	**0.001**		0.084	**0.084**		0.131	**0.131**
Chhattisgarh	RRVUNL						**0.000**			**0.000**
Chhattisgarh	**TOTAL**	**0.003**	**8.729**	**8.732**	**0.005**	**5.634**	**5.639**	**0.005**	**7.181**	**7.186**
Jammu & Kashmir	**JKML**		**0.003**	**0.003**		**0.005**	**0.005**		**0.013**	**0.013**
Jharkhand	ECL	0.004	2.666	**2.670**	0.005	1.273	**1.278**	0.006	1.095	**1.101**
Jharkhand	BCCL	5.978	0.740	**6.718**	4.054	0.751	**4.805**	2.536	0.621	**3.157**
Jharkhand	CCL	4.724	10.375	**15.099**	3.615	7.889	**11.504**	3.486	5.919	**9.405**
Jharkhand	JSMDCL			**0.000**			**0.000**			**0.000**
Jharkhand	DVC	0.000		**0.000**		0.011	**0.011**		0.020	**0.020**
Jharkhand	IISCO	0.001		**0.001**	0.001		**0.001**	0.003		**0.003**
Jharkhand	TISCO	0.034		**0.034**	0.014		**0.014**	0.017		**0.017**
Jharkhand	CML	0.020		**0.020**			**0.000**			**0.000**
Jharkhand	PSWB/PANEM		0.029	**0.029**		0.083	**0.083**		0.110	**0.110**
Jharkhand	WBPDCL			**0.000**			**0.000**		0.013	**0.013**
Jharkhand	UML		0.005	**0.005**		0.001	**0.001**		0.004	**0.004**
Jharkhand	ESCL	0.108		**0.108**	0.067	0.026	**0.093**	0.090	0.067	**0.157**
Jharkhand	SAIL			**0.000**		0.006	**0.006**			**0.000**
Jharkhand	GVK						**0.000**			**0.000**
Jharkhand	**TOTAL**	**10.869**	**13.815**	**24.684**	**7.756**	**10.040**	**17.796**	**6.138**	**7.849**	**13.987**
Madhya Pradesh	NCL		5.334	**5.334**		6.355	**6.355**		4.833	**4.833**
Madhya Pradesh	WCL	0.015	0.301	**0.316**	0.027	0.209	**0.236**	0.008	0.087	**0.095**
Madhya Pradesh	SECL		0.615	**0.615**		0.583	**0.583**		0.823	**0.823**
Madhya Pradesh	BLA		0.000	**0.000**			**0.000**			**0.000**
Madhya Pradesh	SPL					0.144	**0.144**			**0.000**
Madhya Pradesh	MPSMCL								0.005	**0.005**
Madhya Pradesh	**TOTAL**	**0.015**	**6.250**	**6.265**	**0.027**	**7.291**	**7.318**	**0.008**	**5.748**	**5.756**
Maharashtra	WCL		4.777	**4.777**		5.580	**5.580**		5.505	**5.505**
Maharashtra	SIL		0.015	**0.015**		0.020	**0.020**		0.009	**0.009**
Maharashtra	KECML		0.009	**0.009**			**0.000**		0.030	**0.030**
Maharashtra	BSIL		0.013	**0.013**		0.055	**0.055**		0.109	**0.109**
Maharashtra	TUML/SVSL		0.027	**0.027**		0.001	**0.001**		0.017	**0.017**
Maharashtra	**TOTAL**	**0.000**	**4.841**	**4.841**	**0.000**	**5.656**	**5.656**	**0.000**	**5.670**	**5.670**
Meghalaya	**PRIVATE**			**0.000**			**0.000**			**0.000**
Odisha	MCL		22.122	**22.122**		18.053	**18.053**		14.149	**14.149**
Odisha	HIL		0.139	**0.139**		0.122	**0.122**		0.144	**0.144**
Odisha	**TOTAL**		**22.261**	**22.261**		**18.175**	**18.175**		**14.293**	**14.293**
Uttar Pradesh	**NCL**		**1.509**	**1.509**		**3.224**	**3.224**		**1.274**	**1.274**
West Bengal	ECL	0.010	1.366	**1.376**	0.010	0.826	**0.836**	0.013	0.799	**0.812**
West Bengal	BCCL	0.235	0.002	**0.237**	0.238	0.047	**0.285**	0.248	0.171	**0.419**
West Bengal	IISCO		0.008	**0.008**		0.007	**0.007**		0.006	**0.006**
West Bengal	WBPDCL		0.029	**0.029**		0.039	**0.039**		0.021	**0.021**
West Bengal	ICML		0.941	**0.941**		0.848	**0.848**		0.278	**0.278**
West Bengal	DVC EMTA		0.017	**0.017**		0.009	**0.009**		0.005	**0.005**
West Bengal	WBMDTCL			**0.000**		0.085	**0.085**		0.077	**0.077**
West Bengal	SOVA			**0.000**		0.003	**0.003**		0.000	**0.000**
West Bengal	**TOTAL**	**0.245**	**2.363**	**2.608**	**0.248**	**1.864**	**2.112**	**0.261**	**1.357**	**1.618**
Total Public		**10.970**	**61.719**	**72.689**	**7.955**	**53.501**	**61.456**	**6.305**	**48.229**	**54.534**
Total Private		**0.162**	**1.184**	**1.346**	**0.081**	**1.511**	**1.592**	**0.107**	**0.873**	**0.980**
All India		**11.132**	**62.903**	**74.035**	**8.036**	**55.012**	**63.048**	**6.412**	**49.102**	**55.514**

TABLE 5.8 : CAPTIVE BLOCK WISE CLOSING STOCK OF RAW COAL DURING 2013-14

(Quantity in Million Tonnes)

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

Section VI

Pit-head Value, Price and Duty

6.1 Pit-head Value

6.1.1 We have already discussed coal production in India (including lignite) in the year 2013-14 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 2013-14

Statement 6.1: State-wise Production (MT) and Value (Million Rs.) of Coal and Lignite for the year 2013-14

Coal	Production	Value
Andhra Pradesh	50.469	73998.0
Arunachal Pradesh	0	0
Assam	0.664	3392.9
Chhattisgarh	127.095	89275.0
Jammu & Kashmir	0.019	40.4
Jharkhand	113.091	240509.8
Maharashtra	37.223	57363.5
Meghalaya	5.732	37974.5
Madhya Pradesh	75.590	111792.7
Orissa	112.917	150160.6
Uttar Pradesh	14.721	20046.1
West Bengal	28.244	40794.0
ALL INDIA	**565.765**	**825347.5**
Lignite		
Gujarat	11.588	12547.1
Tamilnadu	25.056	41992.1
Rajasthan	7.627	5136.1
ALL INDIA	**44.271**	**59675.3**

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: STATEWISE PRODUCTION OF COAL AND LIGNITE vis-à-vis VALUE DURING LAST FIVE YEARS

(Quantity in Million Tonnes and Value in Million Rupees)

STATES	2009-10		2010-11		2011-12		2012-13		2013-14	
	Production	Value	Production	Value	Production	Value	Production	Value	Production	Value
(1)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(10)	(11)
COAL :										
Andhra Pradesh	50.429	67373.1	51.333	81106.1	52.211	90008.1	53.190	91695.8	50.469	73998.0
Arunachal Pradesh	0.251	894.3	0.299	1106.0	0.221	1464.1	0.073	483.6	0.000	0.0
Assam	1.113	3965.2	1.101	4072.6	0.602	3988.0	0.605	3591.2	0.664	3392.9
Chhattisgarh	109.953	50308.3	113.824	58256.2	113.958	70740.3	117.830	90750.7	127.095	89275.0
Jammu & Kashmir	0.023	18.6	0.024	22.4	0.020	42.5	0.019	40.4	0.019	40.4
Jharkhand	105.917	114630.0	108.949	185716.2	109.566	139887.6	111.274	175665.4	113.091	240509.8
Maharashtra	41.005	50887.5	39.336	53628.8	39.159	53112.6	39.134	62356.8	37.223	57363.5
Meghalaya	5.767	20545.6	6.974	25796.8	7.206	47739.8	5.640	37365.0	5.732	37974.5
Madhya Pradesh	74.074	84933.1	71.104	93673.6	71.123	83305.5	75.948	93737.9	75.590	111792.7
Odisha	106.409	58751.3	102.565	73545.3	105.476	96399.0	110.132	47256.8	112.917	150160.6
Uttar Pradesh	13.968	15067.8	15.526	15122.3	16.178	34369.5	16.090	35844.2	14.721	20046.1
West Bengal	23.133	45807.6	21.659	28164.1	24.230	80662.1	26.467	108398.7	28.244	40794.0
ALL INDIA	**532.04**	**513182.5**	**532.694**	**620210.4**	**539.950**	**701719.1**	**556.402**	**747186.6**	**565.765**	**825347.5**
LIGNITE :										
Gujarat	10.526	7013.7	13.064	13480.3	14.779	15249.9	14.528	14990.9	11.588	12547.1
Tamilnadu	22.338	30262.9	23.144	28755.3	24.590	36964.7	24.844	37346.6	25.056	41992.1
Rajasthan	1.207	479.4	1.525	1071.6	2.963	1161.8	7.081	2776.6	7.627	5136.1
ALL INDIA	**34.071**	**37756.0**	**37.733**	**43307.2**	**42.332**	**53376.5**	**46.453**	**55114.1**	**44.271**	**59675.3**

Note : Value of production where not available is estimated.

TABLE 6.2 : STATEWISE PRODUCTION OF COAL AND ITS VALUE - BY SECTOR & CAPTIVE / NON-CAPTIVE UNITS DURING 2013-14

(Quantity in Million Tonnes and Value in Million Rupees)

Block	Sector	Quantity / Value	Andhra Pradesh	Arunachal Pradesh	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Maharashtra	Meghalaya	Madhya Pradesh	Odisha	Uttar Pradesh	West Bengal	**ALL INDIA**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	**(16)**
CAPTIVE	PUBLIC	Prdn.				1.197		6.043	2.502		0.005			4.756	**14.503**
		Value				784.8		8672.9	3600.0		3.2			3426.0	**16486.9**
	PRIVATE	Prdn.				15.755		1.223	0.546		1.995	2.478		2.984	**24.981**
		Value				10211.6		1489.2	460.5		1744.4	8136.0		2262.4	**24304.1**
	TOTAL	**Prdn.**				**16.952**		**7.266**	**3.048**		**2.000**	**2.478**		**7.740**	**39.484**
		Value				**10996.4**		**10162.1**	**4060.5**		**1747.6**	**8136.0**		**5688.3**	**40790.9**
NON CAPTIVE	PUBLIC	Prdn.	50.469		0.664	110.143	0.019	98.853	34.175		73.590	110.439	14.721	20.504	**513.577**
		Value	73998.0		3392.9	78278.6	40.4	222074.1	53303.0		110045.1	142024.6	20046.1	35105.7	**738308.4**
	PRIVATE	Prdn.						6.972		5.732					**12.704**
		Value						8273.6		37974.5					**46248.2**
	TOTAL	**Prdn.**	**50.469**		**0.664**	**110.143**	**0.019**	**105.825**	**34.175**	**5.732**	**73.590**	**110.439**	**14.721**	**20.504**	526.281
		Value	**73998.0**		**3392.9**	**78278.6**	**40.4**	**230347.7**	**53303.0**	**37974.5**	**110045.1**	**142024.6**	**20046.1**	**35105.7**	**784556.5**
TOTAL	**PUBLIC**	**Prdn.**	**50.469**		**0.664**	**111.340**	**0.019**	**104.896**	**36.677**		**73.595**	**110.439**	**14.721**	**25.260**	**528.080**
		Value	**73998.0**		**3392.9**	**79063.5**	**40.4**	**230746.9**	**56903.0**		**110048.3**	**142024.6**	**20046.1**	**38531.6**	**754795.2**
	PRIVATE	**Prdn.**				**15.755**		**8.195**	**0.546**	**5.732**	**1.995**	**2.478**		**2.984**	**37.685**
		Value				**10211.6**		**9762.9**	**460.5**	**37974.5**	**1744.4**	**8136.0**		**2262.4**	**70552.3**
	TOTAL	**Prdn.**	**50.469**		**0.664**	**127.095**	**0.019**	**113.091**	**37.223**	**5.732**	**75.590**	**112.917**	**14.721**	**28.244**	**565.765**
		Value	**73998.0**		**3392.9**	**89275.0**	**40.4**	**240509.8**	**57363.5**	**37974.5**	**111792.7**	**150160.6**	**20046.1**	**40794.0**	**825347.5**

Table 6.3 : PITHEAD (RUN OF MINE) PRICE OF NON-COKING COAL PRIOR TO INTRODUCTION OF GCV (RUPEES PER TONNE)

Applicable to Power Utilities (Including IIPs), 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	

Contd....

Table 6.3 : PITHEAD (RUN OF MINE) PRICE OF NON-COKING COAL PRIOR TO INTRODUCTION OF GCV (RUPEES PER TONNE)

Applicable to Power Utilities (Including IIPs), 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 6.10 for revised price of Non-coking Coal

* SCCL does not notfy separate price for sectors i.e. Power Utilty (Including IIP), Fertiliser and Dfenece and Other than this sector.

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

Source: Websites of CIL and SCCL

Table 6.4 : PITHEAD (RUN OF MINE) PRICE OF NON-COKING COAL PRIOR TO INTRODUCTION OF GCV (RUPEES PER TONNE)

Applicable to Consumers Other Than Power Utilities (Including IIPs), 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 OF NON-COKING COAL PRIOR TO INTRODUCTION OF GCV (RUPEES PER TONNE)

Applicable to Consumers Other Than Power Utilities (Including IIPs), 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: The above mentioned Price is changed from January, 2012 based on the Gross Calorific Value (GCV). Please see table 6.8 to 6.10 for revised price of Non-coking Coal.

* SCCL does not notfy separate price for sectors i.e. Power Utilty (Including IIP), Fertiliser and Dfenece and Other than this sector. SCCL price is shown in Table 6.3

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

Source: Websites of CIL and SCCL

Table 6.5 : PIT HEAD (RUN OF MINE) PRICE OF COKING COAL (RUPEES PER TONNE)

Applicable for Power Utilities (Including IIPs), 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 (Mugma/ Ranigunj)	15-06-2004 to 12-12-2007			1890	1570	1160	1080	1700	1420
ECL (Mugma/ Ranigunj)	13-12-2007 to 15-10-2009			2080	1730	1280	1190	1870	1560
ECL (Mugma/ Ranigunj)	16-10-2009 to 26-02-2011			2390	1990	1470	1370	2150	1790
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 (Raniganj)	27-02-2011 to 31-03-2013							2150	1790
ECL (Raniganj)	01-04-2013 to 31-03-2014							2150	1790
BCCL (Specified)	15-06-2004 to 12-12-2007	2960	2480	2160	1560	1170	1080		
BCCL (Specified)	13-12-2007 to 15-10-2009	3260	2730	2380	1720	1290	1190		
BCCL (Specified)	16-10-2009 to 26-02-2011	3750	3140	2740	1980	1480	1370		
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 (Unspecified)	15-06-2004 to 12-12-2007			1600	1330	980	910		
BCCL (Unspecified)	13-12-2007 to 15-10-2009			1760	1460	1080	1000		
BCCL (Unspecified)	16-10-2009 to 26-02-2011			2020	1680	1240	1150		
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		
CCL	15-06-2004 to 12-12-2007			1620	1340	990	930		
CCL	13-12-2007 to 15-10-2009			1780	1470	1090	1020		
CCL	16-10-2009 to 26-02-2011			1960	1620	1200	1120		
CCL	27-02-2011 to 31-03-2013			1960	1620	1200	1120		
CCL	01-04-2013 to 31-03-2014			1960	1620	1200	1120		
WCL	15-06-2004 to 12-12-2007				1160	1060			
WCL	13-12-2007 to 15-10-2009			1550	1280	1170			
WCL	16-10-2009 to 26-02-2011			1710	1410	1290			
WCL	27-02-2011 to 31-03-2013			1710	1410	1290			
WCL	01-04-2013 to 31-03-2014			1710	1410	1290			
SECL	15-06-2004 to 12-12-2007							1440	1200
SECL	13-12-2007 to 15-10-2009							1580	1320
SECL	16-10-2009 to 26-02-2011							1740	1450
SECL	27-02-2011 to 31-03-2013							1740	1450
SECL	01-04-2013 to 31-02-2014							1740	1450

Source: Websites of CIL.

Table 6.6 : PIT HEAD (RUN OF MINE) PRICE OF COKING COAL (RUPEES PER TONNE)

(Applicable for Consumers Other Than Power Utilities (Including IIPs), 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 (Mugma/ Ranigunj)	15-06-2004 to 12-12-2007			1890	1570	1160	1080	1700	1420
ECL (Mugma/ Ranigunj)	13-12-2007 to 15-10-2009			2080	1730	1280	1190	1870	1560
ECL (Mugma/ Ranigunj)	16-10-2009 to 26-02-2011			2390	1990	1470	1370	2150	1790
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 (Ranigunj)	27-02-2011 to 31-03-2013							2800	2330
ECL (Raniganj)	01-04-2013 to 31-03-2014							2800	2330
BCCL (Specified)	15-06-2004 to 12-12-2007	2960	2480	2160	1560	1170	1080		
BCCL (Specified)	13-12-2007 to 15-10-2009	3260	2730	2380	1720	1290	1190		
BCCL (Specified)	16-10-2009 to 26-02-2011	3750	3140	2740	1980	1480	1370		
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 (Unspecified)	15-06-2004 to 12-12-2007			1600	1330	980	910		
BCCL (Unspecified)	13-12-2007 to 15-10-2009			1760	1460	1080	1000		
BCCL (Unspecified)	16-10-2009 to 26-02-2011			2020	1680	1240	1150		
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		
CCL	15-06-2004 to 12-12-2007			1620	1340	990	930		
CCL	13-12-2007 to 15-10-2009			1780	1470	1090	1020		
CCL	16-10-2009 to 26-02-2011			1960	1620	1200	1120		
CCL	27-02-2011 to 31-03-2013			2550	2110	1560	1460		
CCL	01-04-2013 to 31-03-2014			2550	2110	1560	1460		
WCL	15-06-2004 to 12-12-2007					1160	1060		
WCL	13-12-2007 to 15-10-2009				1550	1280	1170		
WCL	16-10-2009 to 26-02-2011				1710	1410	1290		
WCL	27-02-2011 to 31-03-2013				2220	1830	1680		
WCL	01-04-2013 to 31-03-2014				2220	1830	1680		
SECL	15-06-2004 to 12-12-2007							1440	1200
SECL	13-12-2007 to 15-10-2009							1580	1320
SECL	16-10-2009 to 26-02-2011							1740	1450
SECL	27-02-2011 to 31-03-2013							2260	1890
SECL	01-04-2013 to 31-03-2014							2260	1890

Source: Websites of 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 Indigenoous 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

Grade of Coal	GCV Bands	Power Utilities (including IPPs) and Defence Sector		Sectors other than Power Utilities (including IPPs) and Defence	
		01-01-2012 to 20-06-2012	21-06-2012 to 31-03-2013	01-01-2012 to 20-06-2012	21-06-2012 to 31-03-2013
(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	4420	4420	4420
G 4	Exceeding 6100 and not exceeding 6400	3970	3970	3970	3970
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800
G 6	Exceeding 5500 and not exceeding 5800	1450	1740	1960	2350
G 7	Exceeding 5200 and not exceeding 5500	1270	1520	1720	2050
G 8	Exceeding 4900 and not exceeding 5200	1140	1370	1540	1850
G 9	Exceeding 4600 and not exceeding 4900	880	1060	1180	1430
G 10	Exceeding 4300 and not exceeding 4600	780	940	1050	1270
G 11	Exceeding 4000 and not exceeding 4300	640	770	870	1040
G 12	Exceeding 3700 and not exceeding 4000	600	720	810	970
G 13	Exceeding 3400 and not exceeding 3700	550	660	740	890
G 14	Exceeding 3100 and not exceeding 3400	500	600	680	810
G 15	Exceeding 2800 and not exceeding 3100	460	550	620	740
G 16	Exceeding 2500 and not exceeding 2800	410	490	550	660
G 17	Exceeding 2200 and not exceeding 2500	360	430	490	580

* 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 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. For details please see website.

Table 6.9 : PIT HEAD (RUN OF MINE) PRICE/ BASIC PRICE OF NON-COKING COAL OF COAL INDIA LTD. (EXCLUDING WCL) DURING 2013-14 (RUPEES PER TONNE).

Grade of Coal	GCV Bands	Power Utilities (including IPPs) and Defence Sector		Sectors other than Power Utilities (including IPPs) and Defence	
		01-04-13 to 27-05-13	28-05-13 to 31-03-14	01-04-13 to 27-15-13	28-05-13 to 31-03-14
(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	4420	3890
G 4	Exceeding 6100 and not exceeding 6400	3970	3490	3970	3490
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800
G 6	Exceeding 5500 and not exceeding 5800	1740	1600	2350	2150
G 7	Exceeding 5200 and not exceeding 5500	1520	1400	2050	1890
G 8	Exceeding 4900 and not exceeding 5200	1370	1250	1850	1690
G 9	Exceeding 4600 and not exceeding 4900	1060	970	1430	1310
G 10	Exceeding 4300 and not exceeding 4600	940	860	1270	1160
G 11	Exceeding 4000 and not exceeding 4300	770	700	1040	950
G 12	Exceeding 3700 and not exceeding 4000	720	660	970	890
G 13	Exceeding 3400 and not exceeding 3700	660	610	890	820
G 14	Exceeding 3100 and not exceeding 3400	600	550	810	740
G 15	Exceeding 2800 and not exceeding 3100	550	510	740	680
G 16	Exceeding 2500 and not exceeding 2800	490	450	660	610
G 17	Exceeding 2200 and not exceeding 2500	430	400	580	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.

Source: CIL website. For details please see website.

Table 6.10 : PIT HEAD (RUN OF MINE) PRICE (RUPEES PER TONNE) OF NON-COKING COAL OF WESTERN COALFIELDS LTD. DURNG 2013-14

Grade of Coal	GCV Bands	Power Utilities (including IPPs) and Defence Sector			Sectors other than Power Utilities (including IPPs) and Defence Sector		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		01-04-13 to 27-05-13	28-05-13 to 16-12-13	17-12-13 to 31-03-14	01-04-13 to 27-05-13	28-05-13 to 16-12-13	17-12-13 to 31-03-14
G 1	Exceeding 7000	*	*	*	*	*	*
G 2	Exceeding 6700 and not exceeding 7000	4870	4870	4870	4870	4870	4870
G 3	Exceeding 6400 and not exceeding 6700	4420	3890	3890	4420	3890	3890
G 4	Exceeding 6100 and not exceeding 6400	3970	3490	3490	3970	3490	3490
G 5	Exceeding 5800 and not exceeding 6100	2800	2800	2800	2800	2800	2800
G 6	Exceeding 5500 and not exceeding 5800	1740	1760	1920	2350	2370	2590
G 7	Exceeding 5200 and not exceeding 5500	1520	1540	1680	2050	2080	2270
G 8	Exceeding 4900 and not exceeding 5200	1370	1380	1510	1850	1860	2030
G 9	Exceeding 4600 and not exceeding 4900	1060	1070	1170	1430	1440	1570
G 10	Exceeding 4300 and not exceeding 4600	940	940	1030	1270	1270	1390
G 11	Exceeding 4000 and not exceeding 4300	770	770	840	1040	1050	1150
G 12	Exceeding 3700 and not exceeding 4000	720	730	800	970	980	1070
G 13	Exceeding 3400 and not exceeding 3700	660	670	730	890	900	980
G 14	Exceeding 3100 and not exceeding 3400	600	610	670	810	820	890
G 15	Exceeding 2800 and not exceeding 3100	550	560	610	740	750	820
G 16	Exceeding 2500 and not exceeding 2800	490	500	550	660	670	730
G 17	Exceeding 2200 and not exceeding 2500	430	440	480	580	590	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.

The price from 01-04-13 to 27-05-13 is applicable for all the subsidiaries of CIL except WCL. Howver, for WCL there shall be add-on over and above the price mentioned above for increase in GCV by every 100 Kcal/ Kg and below.

Source: CIL website. For detials please see website.

Table 6.11 : PIT HEAD (RUN OF MINE) PRICE OF COAL (RUPEES/TONNE) OF SINGARENI COLLIERIES COMPANY LTD

Grade of Coal	GCV Band	Price for all Sectors				Price for Power Utilities	Price for Non-Power Consumers
		08-01-2012 to 31-03-2012	01-04-2013 to 31-03-2013	01-04-2013 to 18-07-2013	19-07-2013 to 11-09-2013	11-09-2013 to 31-03-2014	11-09-2013 to 31-03-2014
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
G 1	Above 7000	3542	3896	3896	4680	4680	4680
G 2	6701 to 7000	3393	3733	3733	4480	4480	4480
G 3	6401 to 6700	3244	3569	3569	4290	4390	4390
G 4	6101 to 6400	3032	3336	3336	4340	4340	4340
G 5	5801 to 6100	2886	3319	3319	4320	4320	4320
G 6	5501 to 5800	2360	2360	2360	2360	2720	3310
G 7	5201 to 5500	1840	1840	1840	1840	2120	2580
G 8	4901 to 5200	1700	1700	1700	1700	1960	2550
G 9	4601 to 4900	1500	1500	1500	1500	1730	2250
G 10	4301 to 4600	1400	1400	1400	1400	1610	2100
G 11	4001 to 4300	1130	1130	1130	1130	1300	1700
G 12	3701 to 4000	910	910	910	910	1050	1370
G 13	3401 to 3700	690	690	690	690	800	1040
G 14	3101 to 3400	610	610	610	610	710	920
G 15	2801 to 3100	510	510	510	510	590	770
G 16	2501 to 2800	474	474	474	474	550	620
G 17	2201 to 2500	420	420	420	420	490	550

* Separate prices for Power Utilities and Non-Power Consumers from 11-09-2013

*** Source: SCCL website. For details please see website.**

Table 6.12 : 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**			14% ad-valorem on price of coal as reflected in the invoice excluding taxes, levies and other charges	
	Steel grade I, Steel grade II, Washery grade I, Direct Feed	180+0.05P	7.00		7.00
	Hand picked coal (Assam, Arunachal Pradesh Meghalaya & Nagaland)				
Group II	**Coking coal**				
	Washery grade II, Washery grade III				
	Semi-Coking coal				
	Semi Coke grade I, Semi Coke grade II	130+0.05P	6.50		6.50
	Non-coking coal				
	GCV (Kcal/ Kg) range 6101 and above				
	Ungraded R.O.M. coal (Assam,				
	Arunachal Pradesh, Meghalaya & Nagaland)				
Group III	**Coking coal**				
	Washery grade IV	90+0.05P	5.50		5.50
	Non-coking coal				
	GCV (Kcal/KG) in the range 5201-6100				
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	55+0.05P	2.50		2.50
	Lignite	45+0.02P			
	Middling (GCV <3100)	45+0.05P			
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 2013-14, import of coal by India was 166.857 MT (value Rs. 923292 Million) against import of 145.785 MT (value Rs. 868455 Million) registered in 2012-13. This shows an increase of 14.45% in quantity and 6.31% 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 2013-14

Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	36.872	348319
Non-Coking	129.985	574973
Total	**166.857**	**923292**

It is observed that the share of coking coal in the total quantity was 22.09 % which in value terms accounted for 37.72 %.

7.4 Statement 7.2 depicts source country wise import of coal in India in 2013-14. It can be seen that Indonesia with 61.05% [101.877 MT] share has remained the leading supplier followed by Australia with 20.66% [34.480 MT] and South Africa 12.35% [20.614 MT]. These three countries together accounted for 94.06% of the total import to India in 2013-14.

Statement 7.2: Source Country-Wise Import of Coal by India during 2013-14

Country	Quantity [MT]	% Share
Indonesia	101.877	61.05
Australia	34.480	20.66
South Africa	20.614	12.35
USA	3.651	2.18
New Zealand	1.132	0.67
Others	5.103	3.05
Total	**166.857**	**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 2013-14

Country	Quantity [MT]	% Share
Australia	29.804	80.83
USA	2.651	7.18
South africa	0.696	1.88
New Zealand	1.132	3.07
Others	2.589	7.02
Total	**36.872**	**100.00**

Statement 7.4 Source Country-Wise Import of Non-Coking Coal to India during 2013-14		
Country	Quantity [MT]	% Share
Indonesia	101.792	78.31
South africa	19.918	15.32
Australia	4.676	3.59
USA	1.000	0.76
Others	2.599	1.99
Total	**129.985**	**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
2009-10	604.33	532.042	73.255
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

*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 neighboring countries. In the year 2013-14, the total export was 2.188 MT. Here, Bangladesh accounted for (74.53%) of export followed by Nepal (17.20%) and Bhutan (3.17%).

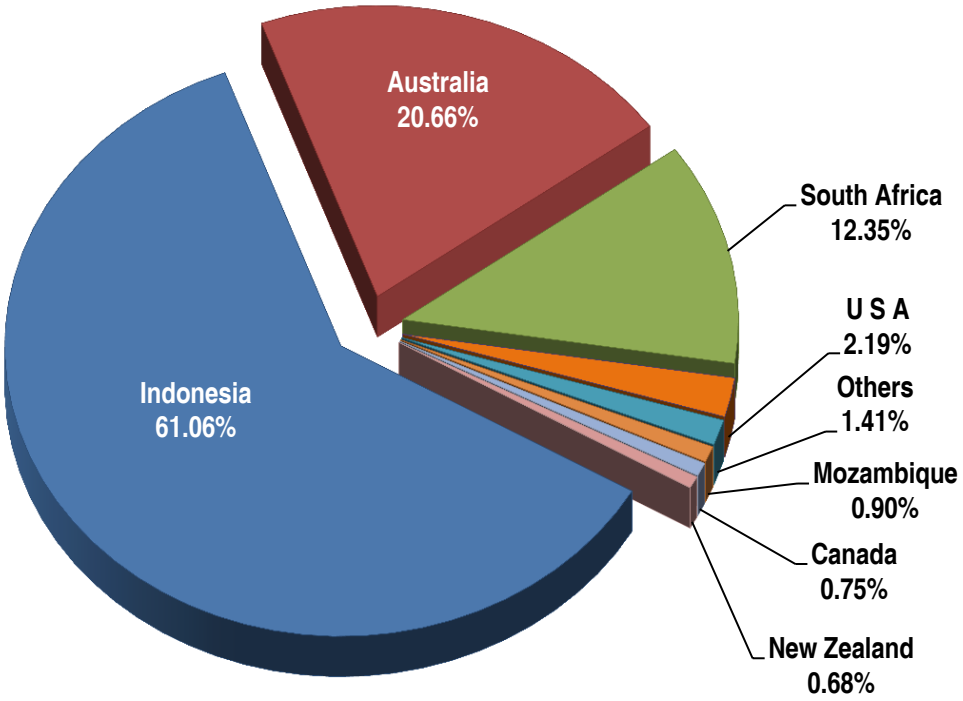
Statement 7.6: Export of Coal from India by destination countries during 2013-14		
Country	Quantity [MT]	% Share
Bangladesh PR	1.631	74.61
Nepal	0.376	17.20
Bhutan	0.069	3.15
United Arab Emeritus	0.089	4.07
Kuwait	0.020	0.91
Others	0.002	0.09
Total	**2.188**	**100.00**

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

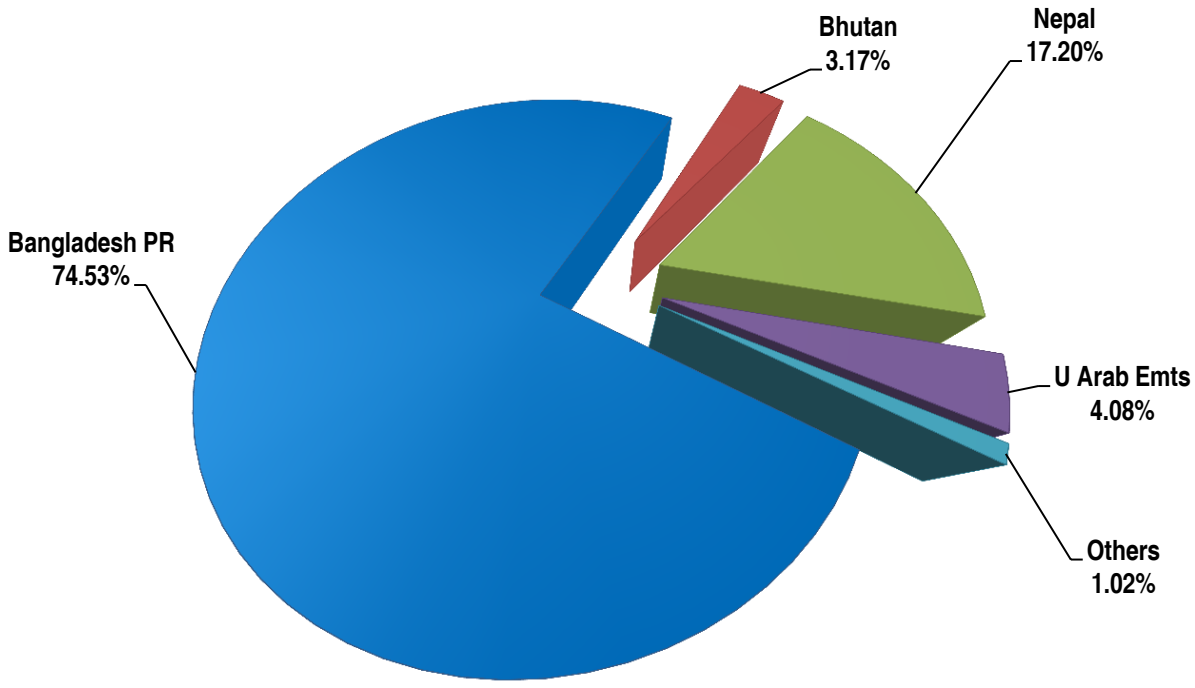
Statement 7.7: Export of Coking Coal from India by destination during 2013-14		
Country	Quantity [MT]	% Share
Bangladesh PR	0.006	75.0%
Nepal	0.002	25.0%
Bhutan	0.000	00.0%
Total	**0.008**	**100.00%**

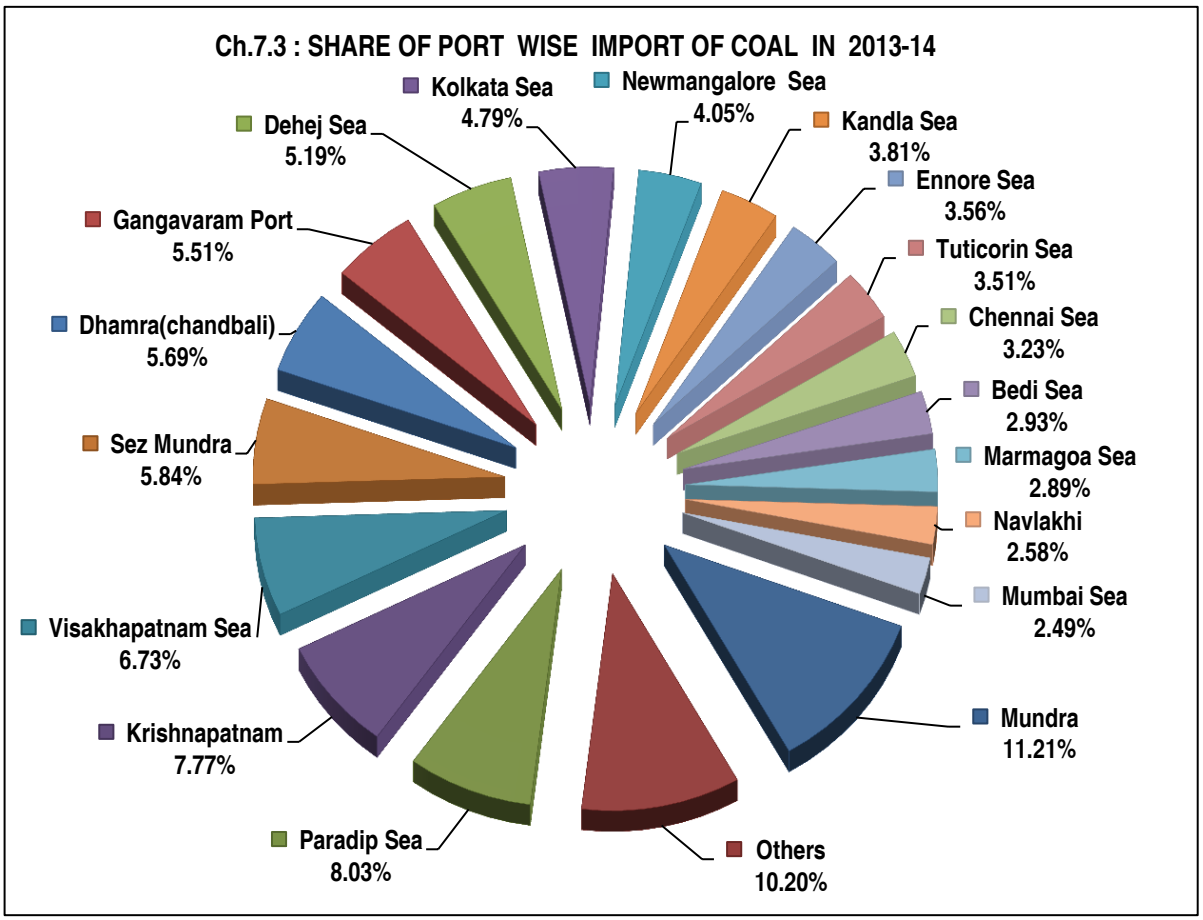
Statement 7.8: Export of Non-coking Coal from India by destination during 2013-14		
Country	Quantity [MT]	% Share
Bangladesh PR	1.625	74.33
Nepal	0.374	17.10
Bhutan	0.069	3.15
United Arab Emts	0.089	4.07
Kuwait	0.020	0.91
Others	0.002	0.09
Total	**2.180**	**100.00**

Ch.7.1: SHARE OF COUNTRY WISE IMPORT OF COAL IN 2013-14



Ch.7.2: SHARE OF COUNTRY WISE EXPORT OF COAL IN 2013-14




Ch.7.3 : SHARE OF PORT WISE IMPORT OF COAL IN 2013-14
Kolkata Sea 4.79%
Newmangalore Sea 4.05%
Kandla Sea 3.81%
Ennore Sea 3.56%
Tuticorin Sea 3.51%
Chennai Sea 3.23%
Bedi Sea 2.93%
Marmagoa Sea 2.89%
Navlakhi 2.58%
Mumbai Sea 2.49%
Mundra 11.21%
Others 10.20%
Paradip Sea 8.03%
Krishnapatnam 7.77%
Visakhapatnam Sea 6.73%
Sez Mundra 5.84%
Dhamra(chandbali) 5.69%
Gangavaram Port 5.51%
Dehej Sea 5.19%

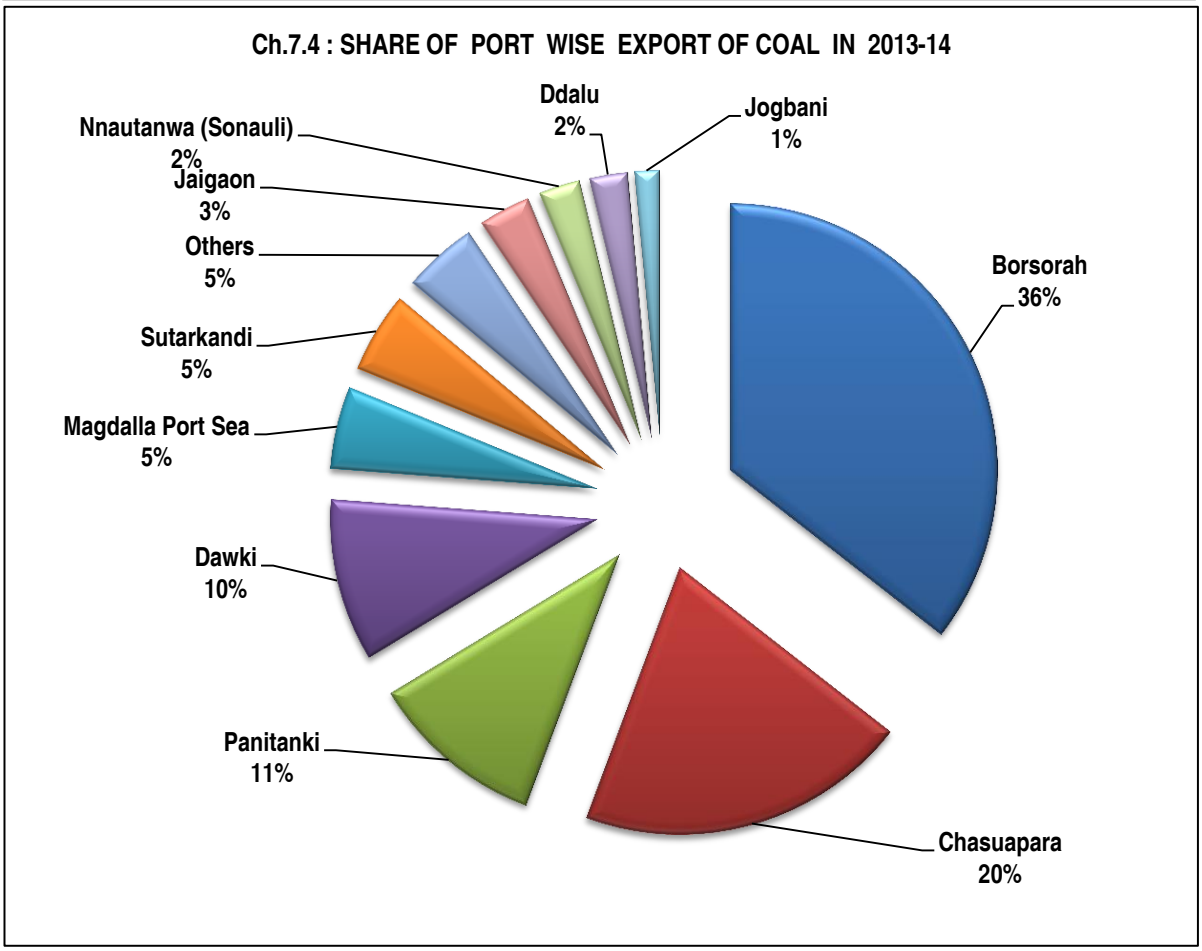

Ch.7.4 : SHARE OF PORT WISE EXPORT OF COAL IN 2013-14
Ddalu 2%
Jogbani 1%
Nnautanwa (Sonauli) 2%
Jaigaon 3%
Others 5%
Sutarkandi 5%
Magdalla Port Sea 5%
Dawki 10%
Panitanki 11%
Chasuapara 20%
Borsorah 36%

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)
2004-05	16.925	72432	12.025	30228	**28.950**	**102660**	2.840	38018		
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

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)
2004-05	0.240	378	1.134	2040	**1.374**	**2418**	0.155	841		
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

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 2013-14

(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	29.804	283214	4.676	32898	**34.480**	**316112**	0.267	4344		
Canada	1.247	12248	0.000	0	**1.247**	**12248**	0.000	0		
Chile			0.927	3309	**0.927**	**3309**				
China PRP			0.207	2014	**0.207**	**2014**	2.028	33079	0.0010	17
Colombia	0.044	431	0.003	35	**0.047**	**466**	0.256	4000		
Egypt ARP			0.012	92	**0.012**	**92**				
Indonesia	0.085	730	101.792	412184	**101.877**	**412914**	0.022	375		
Italy							0.070	1064	0.0001	1
Japan							0.578	9672		
Korea RP							0.032	528		
Latvia							0.004	55		
Malaysia			0.055	201	**0.055**	**201**				
Mozambique	0.970	8985	0.528	2878	**1.499**	**11863**				
New Zealand	1.132	10729			**1.132**	**10729**				
Pakistan IR			0.000	2	**0.000**	**2**	0.023	201		
Poland							0.170	3097		
Russia	0.242	1886	0.500	4230	**0.742**	**6116**	0.138	2202		
South Africa	0.696	4518	19.918	106734	**20.614**	**111251**	0.002	30		
Spain							0.001	13		
U K	0.001	40	0.001	16	**0.002**	**56**	0.000	6		
U S A	2.651	25539	1.000	6531	**3.651**	**32070**	0.000	1	0.0002	4
Ukraine	0.000	0	0.315	3093	**0.315**	**3093**	0.581	9320		
Vietnam SOC REP			0.050	747	**0.050**	**747**				
Unspecified			0.001	10	**0.001**	**10**	0.000	7	0.0001	1
TOTAL	**36.872**	**348319**	**129.985**	**574973**	**166.857**	**923292**	**4.171**	**67995**	**0.0013**	**24**

Source: DGCI & S , KOLKATA

TABLE 7.4 : DESTINATION COUNTRY-WISE EXPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2013-14

(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)
Bangladesh PR	0.006	23	1.625	7155	**1.631**	**7178**	0.002	23	0.0001	2
Bhutan			0.069	786	**0.069**	**786**	0.009	166		
Indonesia									0.0001	7
Ireland			0.000	2	**0.000**	**2**				
Italy							0.024	369	0.0001	4
Jordan							0.000	11		
Kuwait			0.020	101	**0.020**	**101**				
Malaysia			0.000	1	**0.000**	**1**			0.0000	1
Nepal	0.002	12	0.374	2312	**0.376**	**2324**	0.090	428	0.0003	3
Oman			0.000	0	**0.000**	**0**	0.000	7	0.0000	5
Pakistan IR							0.025	444	0.0000	1
Saudi Arab							0.001	18	0.0001	9
Sri Lanka DSR			0.000	0	**0.000**	**0**	0.001	23	0.0001	1
U Arab Emts			0.089	432	**0.089**	**432**	0.001	18	0.0008	14
U S A			0.000	0	**0.000**	**0**		0	0.0002	9
Others	0.000	0	0.002	14	**0.002**	**14**	0.001	14	0.0001	6
TOTAL	**0.008**	**35**	**2.180**	**10805**	2.188	10840	**0.154**	**1521**	**0.0019**	**61**

Source: DGCI & S , KOLKATA

TABLE 7.5 : PORT WISE IMPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2013-14

(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)
Paradip Sea	6.271	61511	7.121	33436	13.392	94946	0.696	10829		
Visakhapatnam Sea	6.796	64092	4.436	18526	11.232	82618	0.092	1502		
Mundra	1.270	11366	17.443	69182	18.713	80548	0.001	8		
Krishnapatnam	2.120	18703	10.840	51399	12.960	70102				
Kolkata Sea	5.214	50411	2.771	14363	7.986	64773	0.508	8293	0.0010	17
Gangavaram Port	4.629	44191	4.562	22261	9.191	66452	0.137	1764		
Dhamra(chandbali)	3.828	34466	5.668	31031	9.497	65497				
Marmagoa Sea	4.072	38899	0.745	5467	4.817	44366				
Newmangalore Sea	0.585	4857	6.171	30554	6.756	35412	0.734	11959		
Sez Mundra			9.745	40204	9.745	40204				
Dehej Sea			8.667	39150	8.667	39150				
Ennore Sea	0.223	2318	5.725	26426	5.948	28745	0.088	1675		
Magdalla Port Sea	0.502	4425	3.428	15127	3.930	19552	0.971	16370		
Kandla Sea	0.320	3366	6.030	23428	6.350	26794				
Tuticorin Sea			5.848	23948	5.848	23948	0.002	56		
Alibag	0.158	1561	3.086	14343	3.245	15905	0.915	15162		
Chennai Sea	0.001	40	5.391	22177	5.392	22216	0.000	4	0.0000	1
Mumbai Sea			4.163	18577	4.163	18577				
Navlakhi			4.297	18476	4.297	18476				
Bedi Sea	0.120	990	4.761	17199	4.881	18189				
Karikal	0.562	5318	2.267	10719	2.829	16036				
Pipavab(Vicyor)	0.023	221	1.827	9571	1.849	9791	0.001	13		
Kakinada Sea			1.412	5340	1.412	5340				
Hazira Port, Surat			1.376	4641	1.376	4641				
Okha	0.177	1583	0.247	1325	0.424	2908				
Porbandar			0.392	1843	0.392	1843				
Bhavnagar			0.417	1591	0.417	1591				
Muldwarka			0.447	1377	0.447	1377				
Bhuj			0.279	1112	0.279	1112	0.001	5		
Sikka			0.116	738	0.116	738				
Kiadb Textile Sez Karnataka			0.089	316	0.089	316				
Joynagar			0.069	299	0.069	299				
Sez Wardha Power Ltd. Warora			0.049	264	0.049	264				
Nhava Sheva Sea			0.011	249	0.011	249	0.001	22	0.0003	6
Appiic Multi Prod Sez Vizag DC			0.006	37	0.006	37	0.018	253		
Cochin Sea			0.021	75	0.021	75	0.000	6		
Other Sez Ports Kandla DC			0.020	65	0.020	65				
Hetero Infra Sez Nakkapalli AP			0.024	64	0.024	64				
Others	0.000	1	0.017	76	0.017	76	0.005	74	0.0000	0
TOTAL	**36.872**	**348319**	**129.985**	**574973**	**166.857**	**923292**	**4.171**	**67995**	**0.0013**	**24**

Source: DGCI & S , KOLKATA

TABLE 7.6 : PORT WISE EXPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2013-14

(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			0.023	101	**0.023**	**101**				
Bhollaganj	0.000	1	0.003	13	**0.003**	**14**				
Bhuj							**0.000**	**8**		
Borsorah	0.005	21	0.773	3377	**0.778**	**3398**				
Chasuapara			0.441	1951	**0.441**	**1951**				
Chengrabandha Rly Station			0.002	6	**0.002**	**6**				
Chennai Sea	0.000	0			**0.000**	**0**	**0.000**	**1**	**0.0003**	**11**
Ddalu			0.050	219	**0.050**	**219**				
Dawki			0.216	953	**0.216**	**953**				
Ghajadanga			0.000	0	**0.000**	**0**	**0.001**	**11**	**0.0001**	**1**
Gouriphanta			0.008	59	**0.008**	**59**				
Hatisar(Deosiri)			0.001	5	**0.001**	**5**				
Hili(West)			0.001	3	**0.001**	**3**	**0.000**	**6**		
Jaigaon			0.069	781	**0.069**	**781**	**0.009**	**166**		
Jifnu(Bombay)			0.011	45	**0.011**	**45**				
Jogbani			0.031	106	**0.031**	**106**	**0.000**	**3**	**0.0001**	**1**
Kolkata Sea			0.000	0	**0.000**	**0**	**0.000**	**9**		
Kotwaligate(Mohedipur)			0.001	2	**0.001**	**2**				
Magdalla Port Sea			0.109	531	**0.109**	**531**				
Mankachar	0.000	1	0.001	3	**0.001**	**4**				
Marmagoa Sea							**0.001**	**16**		
Mundra			0.000	2	**0.000**	**2**	**0.050**	**851**	**0.0001**	**7**
Nnautanwa (Sonauli)	0.002	12	0.053	284	**0.055**	**296**	**0.080**	**367**	**0.0001**	**1**
Nepalganj			0.022	129	**0.022**	**129**	**0.001**	**6**		
Nhava Sheva Sea	0.000	0	0.000	1	**0.000**	**1**	**0.000**	**1**	**0.0011**	**39**
Okha							**0.001**	**13**		
Panitanki			0.233	1577	**0.233**	**1577**	**0.002**	**12**	**0.0000**	**1**
Petrapole Land			0.000	0	**0.000**	**0**	**0.001**	**6**		
Raxaul Land	0.000	0	0.027	160	**0.027**	**160**	**0.007**	**39**	**0.0000**	**0**
Sutarkandi			0.108	490	**0.108**	**490**				
Tuticorin Sea			0.000	4	**0.000**	**4**	**0.000**	**2**		
Visakhapatnam Sea							**0.000**	**2**		
Others			0.000	1	**0.000**	**1**	**0.000**	**1**	**0.0000**	**0**
Total	**0.008**	**35**	**2.180**	**10805**	**2.188**	**10840**	**0.154**	**1521**	**0.0019**	**61**

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 2013-14 the consumption of indigenous coking coal was 6.587 MT and that of imported coking coal was 18.437 MT. The corresponding figures for 2012-13 were 6.577 MT and 15.986 MT. In 2013-14, in case of indigenous coking coal used by integrated steel plants, TISCO accounted for the consumption of 3.685 MT followed by consumption of 2.498 MT by SAIL. The remaining 0.404 MT was consumed by VSP. In case of imported coking coal, SAIL, VSP and TISCO accounted for 11.454 MT, 3.642 MT and 3.341 MT. of consumption 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 2013-14. It can be seen that the total capacity of the washeries was 32.80 MTA. The share of public sector coal washeries was 27.14 MTA and the remaining 5.66 MTA was for the 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 (2011-12, 2012-13 and 2013-14) with production of 6.444 MT 6.541 MT and 7.646 of washed coal respectively. The corresponding yield percentage was 46.6% 44.7% and 55.4% 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 since 6th plan. It can be seen that the total power generation capacity has jumped from 42585 MW (in 1985) to 288021 MW (in 2014). Out of 288021 MW, the share of Power Utilities was 245258 MW. In Power Utilities, the mode wise shares are, thermal power 168255 MW, hydro power 40531 MW, renewable energy sources 31692 MW and nuclear power 4780 MW. The share of Non-utilities in the total has been 42763 MW i.e. 14.84% in 2013-14.

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 2013-14 was 1173825 KwH. The share of utilities was 87.11% and that of non-utility was 12.88 %.

8.4 Cement

8.4.1 Table 8.10 provides details of consumption of coal and fuel in cement sector for the period 1996-97 to 2013-14. It is observed that in 2013-14, the total consumption of coal in the form of Kilns comprising of coal, lignite and pet coke in the cement sector was 20.52 MT. The consumption by captive power plant in cement industry was 8.33 MT. However, information regarding the total cement production against the above consumption was not available from the Cement Manufacturer's Association which provided data in previous years in respect of its member companies. As such for this year 2013-14 this information could not be incorporated. In 2013-14, the total receipt of coal including imported coal was 22.22 MT. The consumption of Pet coke and lignite was 5.96 MT and 1.75 MT respectively.

In 2011-12, production of cement and clinker was 180.0 MT and 137.22 MT respectively. In 2011-12, the ratio of fuel cement and fuel clinker was 10.88% and 14.28% respectively

8.4.2 Table 8.9 provides further details on cement and clinker capacity, production and capacity utilization in the country from the year 1997-98 to 2011-12. But due to non-availability of data for the year 2013-14 from Cement Manufacturer's Association, state wise details of production, capacity etc. for the year 2013-14 could not be incorporated here. However, for reference, it is reported that in the last year 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 2013-14

Installed Capacity of Coal Based Power Plants (Utilities+ Non-Utilities) as on 31.03.2014	145273 MW
Electricity generation from coal based power plants in 2013-14	746087 Mn KwH
Installed capacity of Cement Plants as on 2013-14	NA
Cement Production in 2013-14	255.64
Installed capacity of Coking Coal Washeries in 2013-14	32.80 MT
Washed (Coking) Coal Production	7.646 MT

TABLE - 8.1: STOCK, RECEIPT & CONSUMPTION OF INDIGENOUS & IMPORTED COKING COAL IN INTEGRATED STEEL PLANTS ('000' Tonnes)

PLANT	ITEM	2013-14						2012-13					
		INDIGENOUS			IMPORTED	TOTAL COKING	Boiler Coal	INDIGENOUS			IMPORTED	TOTAL COKING	Boiler Coal
		Prime	Medium	Total				Prime	Medium	Total			
BHILAI	Opn. Stock	5	4	9	128	137	73	39	14	53	110	163	70
(B.S.P.)	Receipt	309	506	815	3939	4754	506	374	364	738	2997	3735	757
	Consumption	352	536	888	4029	4917	529	450	405	855	3067	3922	769
	Cls. Stock	3	8	11	133	144	56	5	4	9	128	137	73
ROURKELA	Opn. Stock	5	4	9	75	84	156	26	10	36	37	73	89
(R.S.P.)	Receipt	292	172	464	2391	2855	1176	420	127	547	1724	2271	1353
	Consumption	295	170	465	2400	2865	1230	449	130	579	1677	2256	1266
	Cls. Stock	2	6	8	65	73	83	5	4	9	75	84	156
DURGAPUR	Opn. Stock	6	6	12	48	60	66	10	8	18	48	66	28
(D.S.P.)	Receipt	217	169	386	1576	1962	797	294	111	405	1351	1756	891
	Consumption	244	188	432	1508	1940	843	308	122	430	1312	1742	940
	Cls. Stock	2	5	7	43	50	20	6	6	12	48	60	66
BOKARO	Opn. Stock	2	10	12	67	79	150	30	4	34	27	61	130
(B.S.L)	Receipt	233	151	384	2453	2837	1659	388	216	604	2475	3079	1689
	Consumption	220	162	382	2438	2820	1887	376	221	597	2502	3099	1765
	Cls. Stock	2	5	7	75	82	41	2	10	12	67	79	150
I.S.P.	Opn. Stock	1	0	1	27	28	8	12	2	14	7	21	7
	Receipt	322	0	322	1139	1461	151	298	16	314	608	922	200
	Consumption	331	0	331	1079	1410	172	319	44	363	578	941	211
	Cls. Stock	5	0	5	50	55	1	1	0	1	27	28	8
	Opn. Stock	19	24	43	345	388	453	117	38	155	229	384	324
S A I L	Receipt	1373	998	2371	11498	13869	4289	1774	834	2608	9155	11763	4890
T O T A L	Consumption	1442	1056	2498	11454	13952	4661	1902	922	2824	9136	11960	4951
	Cls. Stock	14	24	38	366	404	201	19	24	43	345	388	453
T.I.S.CO.	Opn. Stock	63	105	168	556	724	51	45	110	155	675	830	N.A.
	Receipt	1027	2569	3596	3285	6881	56	906	2348	3254	2603	5857	N.A.
	Consumption	1042	2643	3685	3341	7026	69	907	2343	3250	2854	6104	N.A.
	Cls. Stock	48	31	79	500	579	38	44	114	158	424	582	N.A.
V.S.P.	Opn. Stock	0	73	73	112	185	127	0	58	58	256	314	63
	Receipt	0	396	396	3743	4139	1350	0	518	518	3925	4443	1451
	Consumption	0	404	404	3642	4046	1454	0	503	503	3996	4499	1387
	Cls. Stock	0	64	64	214	278	23	0	73	73	185	258	127
G R A N D	**Opn. Stock**	**82**	**202**	**284**	**1013**	**1297**	**631**	**162**	**206**	**368**	**1160**	**1528**	**387**
T O T A L	**Receipt**	**2400**	**3963**	**6363**	**18526**	**24889**	**5695**	**2680**	**3700**	**6380**	**15683**	**22063**	**6341**
	Consumption	**2484**	**4103**	**6587**	**18437**	**25024**	**6184**	**2809**	**3768**	**6577**	**15986**	**22563**	**6338**
	Cls. Stock	**62**	**119**	**181**	**1080**	**1261**	**262**	**63**	**211**	**274**	**954**	**1228**	**580**

Source: SAIL: Infrastructure New Bulletin, March,2014

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

(Figs. in Thousand Tonnes)

Steel Plants	Year	Prime coking		Medium coking		Blendable		Imported Coking		Total Coking Coal		Hotmetal Production
		Quantity	Blend ratio	Quantity	Blend ratio	Quantity	Blend ratio	Quantity	Blend ratio	Quantity	Blend ratio	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
BSP	2009-10	455	8.7	654	12.4	0	0.0	4146	78.9	5255	100.0	5370
	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
BSL	2009-10	409	11.4	376	10.5	0	0.0	2808	78.2	3593	100.0	4066
	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
DSP	2009-10	272	13.8	221	11.2	0	0.0	1477	75.0	1970	100.0	2174
	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
Rourkela	Source: S	290	13.4	227	10.5	0	0.0	1654	76.2	2171	100.0	2267
	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
ISP	2009-10	422	48.0	196	22.3	0	0.0	262	29.8	880	100.0	502
	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
DPL	2009-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	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
VSP(RINL)	2009-10	3	0.1	364	12.0	0	0.0	2654	87.9	3021	100.0	3900
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
TISCO	2009-10	434	12.6	1672	48.6	0	0.0	1331	38.7	3437	100.0	7231
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

Source: SAIL: Infrastructure New Bulletin, March,2014

TABLE 8.3: COKING COAL WASHERIES IN INDIA DURING 2013-14

Sector	Owner Company	Name of Washery	Year of Commi-ssioning	Feed Type	State	Location/ Coal field	Raw Coal Capacity (MTA)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Public	Bharat Coking Coal Ltd.	Dugda-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
	All 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**
Total Private							**5.66**
Grand Total							**32.80**

TABLE 8.4: COKING COAL WASHERY PERFORMANCE OWNED BY THE COMPANY IN LAST THREE YEARS

(Figs. in Thousand Tonnes)

Year	Owner Company	Raw Coal Feed	Washed Coal Prod.	Yield (%) Washed Coal
(1)	(2)	(3)	(4)	(5)
2013-14	BCCL	2374	2104	88.6
	CCL	2946	1358	46.1
	WCL	229	120	52.4
	Total CIL	5549	3582	64.6
	SAIL	787	408	51.8
	Total Public	**6336**	**3990**	**63.0**
	TSL (Private)	7458	3656	49.0
	Total Private	**7458**	**3656**	**49.0**
	Grand Total	**13794**	**7646.0**	**55.4**
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**
2011-12	BCCL	3279	1421	43.3
	CCL	3027	1334	44.1
	WCL	270	137	50.7
	Total CIL	6576	2892	44.0
	SAIL	634.2	338	53.3
	Total Public	**7210.2**	**3230**	**44.8**
	TSL (Private)	6617.4	3214	48.6
	Total Private	**6617.4**	**3214**	**48.6**
	Grand Total	**13827.6**	**6444.0**	**46.6**

TABLE 8.5: NON COKING COAL WASHERY OWNED BY COLLIRIES IN INDIA DURING 2013-14

Sector	Owner Company	Name of Washery	Year of Commi-ssioning	Feed Type	State	Location/ Coal field	Raw Coal Capacity (MTA)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Public	Bharat Coking Coal Ltd.	Dugda-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
	All Coal India Ltd.						**20.20**
Total Public				Non-Coking			**20.20**
Private	Jindal Steel & Power Ltd.	Pit Head Washery (JSPL)	1999	Non-Coking	Chhatisgarh	Mand Raigarh	6.00
	BLA Industries Pvt. Ltd.	BLA Washery	1996	Non-Coking	M.P.	Dharmasthal	0.33
	Aryan Coal Benefication Pvt. Ltd.	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	NEW	Non-Coking	Chhatisgarh	Korba	0.96
	ARYAN ENERGY PVT LTD	INDARAM	NEW	Non-Coking	A.P.	Ramagundam	0.60
		TALCHER	2003	Non-Coking	Orissa	Talcher	2.00
	BHATIA INTERNATIONAL LIMITED	WANI	NEW	Non-Coking	Maharashtra	Wardha	3.73
		GHUGUS	NEW	Non-Coking	Maharashtra	Wardha	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	2.50
	GUPTA COAL FIELD & WASHERIES LTD.	SASTI		Non-Coking	Maharashtra	Wardha	2.40
		RAMAGUNDAM		Non-Coking	Maharashtra	Ramagundam	2.40
		GHUGUS		Non-Coking	Maharashtra	Wardha	2.40
		GONDEGAON		Non-Coking	Maharashtra	Kamptee	2.40
		MAJRI		Non-Coking	Maharashtra	Wardha	2.40
		WANI		Non-Coking	Maharashtra	Wardha	1.92
	KARTIKAY COAL WASHERIES PVT LTD	WANI	2005-06	Non-Coking	Maharashtra	Wardha	2.50
	SPECTRUM COAL & POWER LTD (ST-CLI)	KORBA		Non-Coking	Chhatisgarh	Korba	5.20
	INDO UNIQUE FLAMES LTD	NAGPUR		Non-Coking	Maharashtra	Wardha	0.60
		PUNWAT		Non-Coking	Maharashtra	Wardha	2.40
		WANI		Non-Coking	Maharashtra	Wardha	2.40
	SARDA ENERGY & MINERAL DIVISION	Karwahi Coal Washery Divn.		Non-Coking	Chhatisgarh	Raigarh	0.96
	EARTH MINERAL CO. LTD.	Jharsuguda	2008	Non-Coking	Orissa	Talcher	4.00
	TATA STEEL LTD.	Washery No. 2	1984	Non-Coking	Jharkhand	W. Bokaro	1.80
		Washery No. 3	1994	Non-Coking	Jharkhand	W. Bokaro	2.10
	TATA BHELATEND	West Bokaro	1995	Non-Coking	Jharkhand	Bhelatand	0.80
	IISCO	Chasnalla	1969	Non-Coking	Jharkhand	Dhanbad	1.40
Total Private							**87.20**
Grand Total							**107.40**

TABLE 8.6: PERFORMANCE OF NON COKING COAL WASHERY OWNED BY COLLIERIES IN INDIA FOR LAST THREE FINANCIAL YEARS (Figs. in Th. Tonnes)

Year	Company	Raw Coal Feed	Production	Yield (%)
(1)	(2)	(3)	(4)	(5)
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			
	BLA Industries Pvt. Ltd.	300.09	304.68	101.53
	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
	Global Coal & Mining Pvt. Ltd.	56053.25	33314.00	59.43
	Kartikay Coal Washeries Pvt. Ltd.	13.43	10.59	78.85
	Sarda Energy & Mineral Division	819.90	328.05	40.01
	Jindal Power Ltd	1791.22	1146.27	63.99
	Jindal Steel & Power Ltd.	5760.00	2094.00	36.35
	Tata Steel Ltd.	6491.74	3125.16	48.14
	Tata Bhelatand	934.94	530.90	56.78
	IISCO	751.80	395.93	52.66
	Total Private	**89460.40**	**53881.67**	60.23
	Grand Total	**101112.40**	**64700.67**	63.99
2012-13	BCCL *	165	108	65.45
	CCL	7891	7217	91.46
	NCL	4221	3957	93.75
	Total CIL	**12277**	**11282**	91.90
	Total Public	**12277**	**11282**	**91.90**
	BLA Industries Pvt. Ltd.	299.80	283.79	94.66
	Aryan Coal benefication Pvt. Ltd.	17916.13	13609.29	75.96
	Aryan energy Pvt. Ltd.	364.29	264.78	72.68
	Global Coal & Mining Pvt. Ltd.	4300.77	2954.56	68.70
	Kartikay Coal Washeries Pvt. Ltd.	167.14	123.07	73.63
	Sarda Energy & Mineral Division	664.77	287.41	43.23
	Earth Minerals Company Ltd	315.13	223.06	70.78
	Jindal Steel & Power Ltd.	2254.22	740.07	32.83
	Tata Steel Ltd.	4467.11	1801.59	40.33
	Tata Bhelatand	660.14	354.62	53.72
	IISCO	862.60	447.81	51.91
	Total Private	**32272.10**	**21090.05**	65.35
	Grand Total	**44549.10**	**32372.05**	72.67
2011-12	BCCL *	170	138	81.18
	CCL	8603	8555	99.44
	NCL	4069	3664	90.05
	Total CIL	**12842**	**12357**	96.22
	Total Public	**44549.10**	**32372.05**	**72.67**
	BLA Industries Pvt. Ltd.	306.00	277.80	90.78
	Aryan Coal benefication Pvt. Ltd.	18923.40	14934.70	78.92
	Aryan energy Pvt. Ltd.	23.30	19.90	85.41
	Global Coal & Mining Pvt. Ltd.	4122.30	2743.30	66.55
	Kartikay Coal Washeries Pvt Ld	401.30	344.10	85.75
	Sarda Energy & Mineral Division	346.60	149.20	43.05
	Earth Minerals Company Ltd	814.80	580.50	71.24
	Total Private	**24937.70**	**19049.50**	**76.39**
	Grand Total	**69486.80**	**51421.55**	**74.00**
	Grand Total	**114036**	**83793.6**	**73.5**
	Grand Total	**158585.0**	**116165.7**	**73.3**

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 6TH 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 6th Plans(31.03.1985)	14460	26311	542	177	**27030**	1095	0	**42585**
End of 7th Plan (31.03.1990)	18308	41237	2343	165	**43746**	1565	18	**63636**
End of 2 Annual Plans(31.03.92)	19194	44791	3095	168	**48054**	1785	32	**69065**
End of 8th Plan (31.03.97)	21658	54154	6562	294	**61010**	2225	902	**85795**
End of 9th 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 10th Plan (31.03.2007)	34654	71121	13692	1202	**86015**	3900	7761	**132329**
31.03.2009 (Utilities+Non-Utilities)	36989	91466	18497	9950	**119913**	4120	13617	**174639**
Utilities	36878	77649	14876	1200	**93725**	4120	13242	**147965**
Non-Utilities	111	13817	3621	8750	**26188**	0	375	**26674**
31.03.2010 (Utilities+Non-Utilities)	36918	101381	21424	10657	**133462**	4560	15975	**190915**
Utilities	36863	84198	17056	1200	**102454**	4560	15521	**159398**
Non-Utilities	55	17183	4368	9457	**31008**	0	454	**31517**
31.03.2011 (Utilities+Non-Utilities)	37624	113030	22760	10855	**146645**	4780	19021	**208070**
Utilities	37567	93918	17706	1200	**112824**	4780	18455	**173626**
Non-Utilities	57	19112	5054	9655	**33821**	0	566	**34444**
31.03.2012 (Utilities+Non-Utilities)	39038	134638	24266	11155	**170059**	4780	25375	**239252**
Utilities	**38990**	**112022**	**18381**	**1200**	**131603**	**4780**	**24504**	**199877**
Non-Utilities	48	22616	5885	9955	**38456**	0	871	**39375**
31.03.2013 (Utilities+Non-Utilities)	39558	154111	24608	11155	**191066**	4780	28666	**264070**
Utilities	**39491**	**130221**	**20110**	**1200**	**151531**	**4780**	**27542**	**223344**
Non-Utilities	67	23890	4498	9955	39535	0	1124	**40726**
31.03.2014 (Utilities+Non-Utilities)	40531	145273	21782	1200	**168255**	4780	31692	**288021**
Utilities	**40531**	**145273**	**21782**	**1200**	**168255**	**4780**	**31692**	**245258**
Non-Utilities	Bifurcation not available							**42763**

Note:

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

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

Source : Central Electricity Authority.

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

Year	Sector	Hydro	Thermal Electricity				Nuclear	Grand Total
			Coal based	Gas based	Diesel etc.	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2004-05	Utilities	84610	424244	61525	7066	**492835**	17011	**594456**
	Non Utilities	113	44017	15052	12235	**71304**		**71417**
	Total	**84723**	**468261**	**76577**	**19301**	**564139**	**17011**	**665873**
2005-06	Utilities	101494	435494	60802	8706	**505002**	17324	**623820**
	Non Utilities	236	46265	14665	12473	**73403**		**73639**
	Total	**101730**	**481759**	**75467**	**21179**	**578405**	**17324**	**697459**
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	746087	44522	62930	**853539**	34228	**1022615**
	Non Utilities #							**151210**
	Total	**134848**	**746087**	**44522**	**62930**	**853539**	**34228**	**1173825**

Bifurcation of non-utilities not available.

Source : Central Electricity Authority.

TABLE 8.9: CONSUMPTION OF COAL AND FUEL IN CEMENT SECTOR IN 2013-14

(Quantities are in Million Tonnes)

Year	Coal Receipt				Pet coke / Lignite Purchase	Annual Fuel Procure- ment	Consumption					Annual Fuel Consump- tion	Cement Production	Fuel cement Ratio** (%)	Fuel Clinker Ratio** (%)
	Against Linkage	From Market	Imported*	**Total**			Coal for Kilns	Lignite	Pet Coke	**Total**	CPP				
(1)	(2)	(3)	(4)	**(5)**	(6)	(7)	(8)	(9)	(10)	**(11)**	(12)	(13)	(14)	(15)	(16)
1996-97	10.45	2.48	1.65	**14.58**	0.70	15.28						15.03	69.98		
1997-98	9.61	1.62	3.52	**14.75**	0.42	15.17						14.98	76.74		
1998-99	8.24	0.77	4.66	**13.67**	0.20	13.87	12.47	0.16	0.00	**12.63**	1.35	13.98	81.67	15.46	17.27
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	7.46	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	255.64	8.03	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.

Table 8.10 : Cement and Clinker - Capacity, Production (Mill.Tons.) and capacity Utilisation by Large Cement Plants

Year	All India/ State	Capacity (Mill. Tonnes)	Clinker		Cement Production	Capacity Utilisation(%)
			Production	Ground		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1998-99	All India	107.98	73.14	71.74	81.67	78
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
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	Data not available from Cement Manufacturers Association of India.				
	Andhra Pradesh					
	Assam					
	Bihar					
	Chhattisgarh					
	Delhi					
	Gujarat					
	Haryana					
	Himachal Pradesh					
	Jammu & Kashmir					
	Jharkhand					
	Karnataka					
	Kerala					
	Madhya Pradesh					
	Maharashtra					
	Meghalaya					
	Orissa					
	Punjab					
	Rajasthan					
	Tamil Nadu					
	Uttar Pradesh					
	Uttarakhand					
	West Bengal					

Source : Cement Manufacturers' Association

Section IX

Captive Coal Blocks

9.1 The concept of Captive Coal Block (CCB) and policy of allocation of Captive Coal Block have already been elaborated in Section I. As per policy, from begining 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, 80 have been de-allocated for non-performance and 5 blocks have been reallocated making effecting allocation of 138 coal blocks as on 31.3.2014. Table 9.1 gives the details of allocation of these blocks. It can be seen that 78 coal blocks have been allocated to public sector undertaking and 60 coal blocks have been allocated to private companies. Out of 138 coal blocks the allocation to power sector is 72 (public 44; and private 28). Similarly the allocation to Iron and Steel sector is 30 (public 02; and private 28). 36 captive coal blocks had been allocated to different public sector units for commercial captive purpose and cement uses. Out of these 36 blocks, Two captive coal blocks (small and isolated patches) have been allocated to private sector for commercial captive use.

9.2 The total geological reserves of these 138 captive coal blocks are estimated to be **34419.34** MT (public **23364.92** MT; private **11054.42** MT). The allocation to power sector, iron and steel, commercial mining and cement is 23238.908 MT, 3855.656 MT, 7099.392 MT and 225.390 MT respectively.

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 has been allocated in the year 2006 when 34 coal blocks were allocated to different concerns. This was followed by allocation of 29 coal blocks in the year 2007. Between 2003 to 2009, 113 coal blocks were allocated to different concerns to push up production of coal/power. Chart 9.1 depicts Progressive Allocation of Geological Reserves (Coal Blocks) sector-wise and year-wise from 1993 to 2013. Chart 9.2 represents Progressive Allocation of number of Coal Blocks sector-wise and year-wise from 1993 to 2013. Chart 9.3 shows Progressive Allocation of Geological Reserves (Coal Blocks) as on 31.03.2014 state wise. 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 statewise sectorwise allotment of captive coal blocks.

9.4 Out of 138 coal blocks allocated for captive use till 31st March, 2014, 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 in the year 2013-14 total production from the captive coal blocks was reported to be 39.49 MT. The contribution of the coal blocks allocated to the power sector was 26.81 MT and that of Iron and Steel 11.64 MT. Table 9.4 provides details of coal production from captive coal blocks since 1997-98. It also gives projection for production of coal during 12th five year plan.

9.5 In the case of lignite, out of 25 lignite blocks, 19 (GR **1489.93** MT) were allocated to public sector units and 6 (GR **107.30** MT) were allocated to private sector. Out of 25 lignite blocks 15 were allocated to power sector and 10 were allocated for captive commercial use. From table 9.6 it can be seen that as on 31st March, 2014, 10 lignite blocks were producing blocks.

9.6 Table 9.5 depict details on allocated captive coal blocks as on 31.3.2014.

Chart-9.1 : Progressive Allocation of Geological Reserve Sectorwise & Yearwise

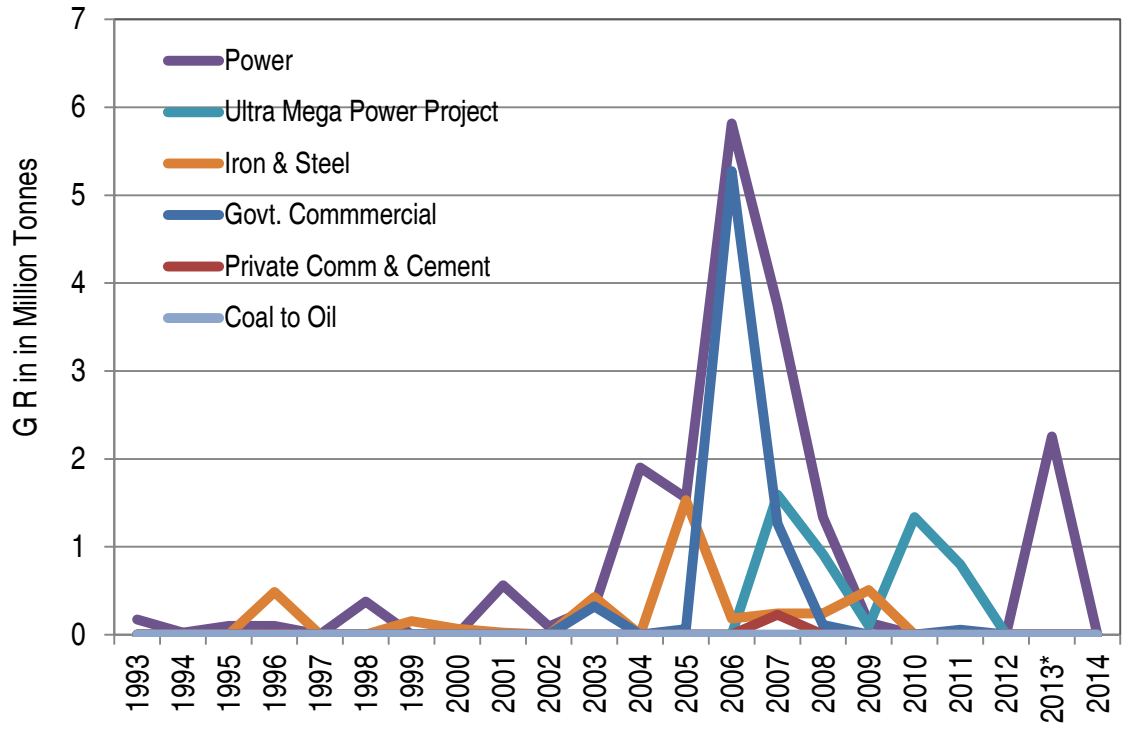


Chart-9.2 : Progressive Allocation of blocks (No.) - Sectorwise & Yearwise

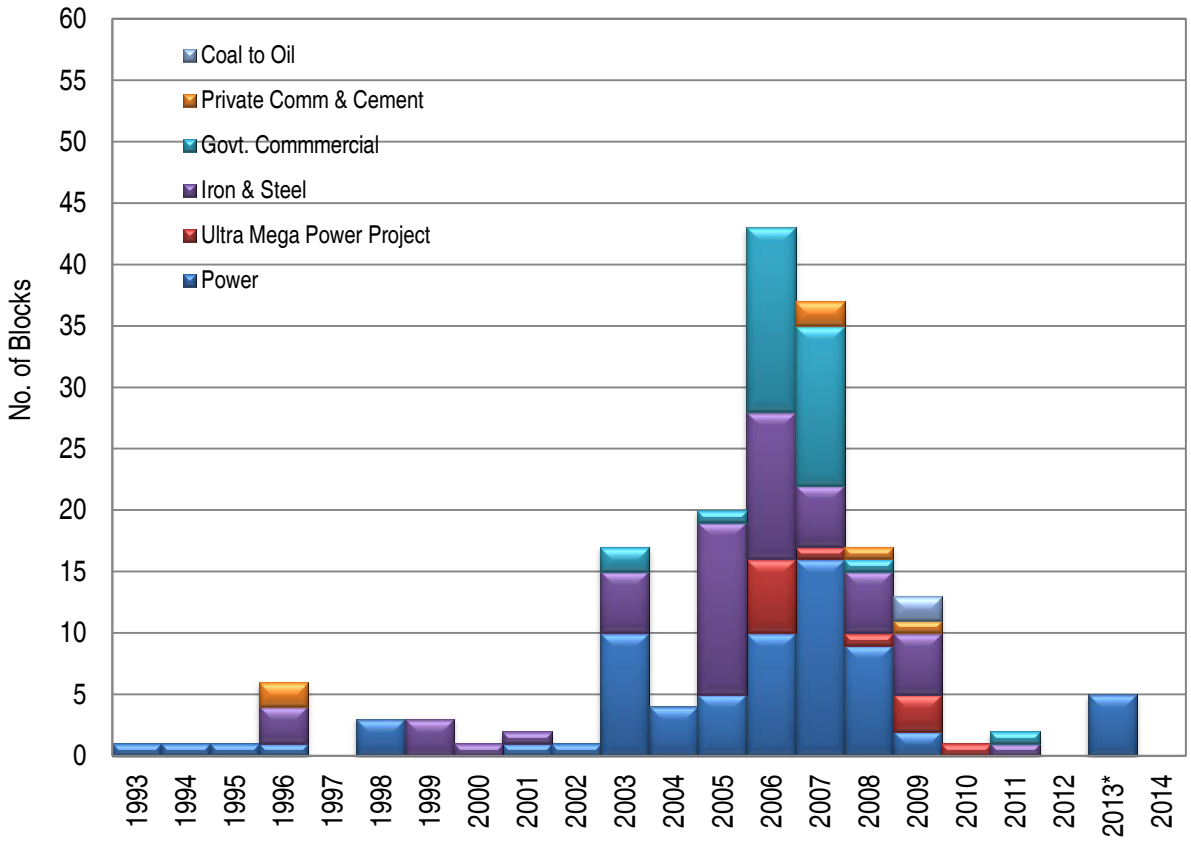


Chart-9.3 : Progressive Allocation of Geological Reserve as on 31/03/2014 - Sectorwise & Statewise

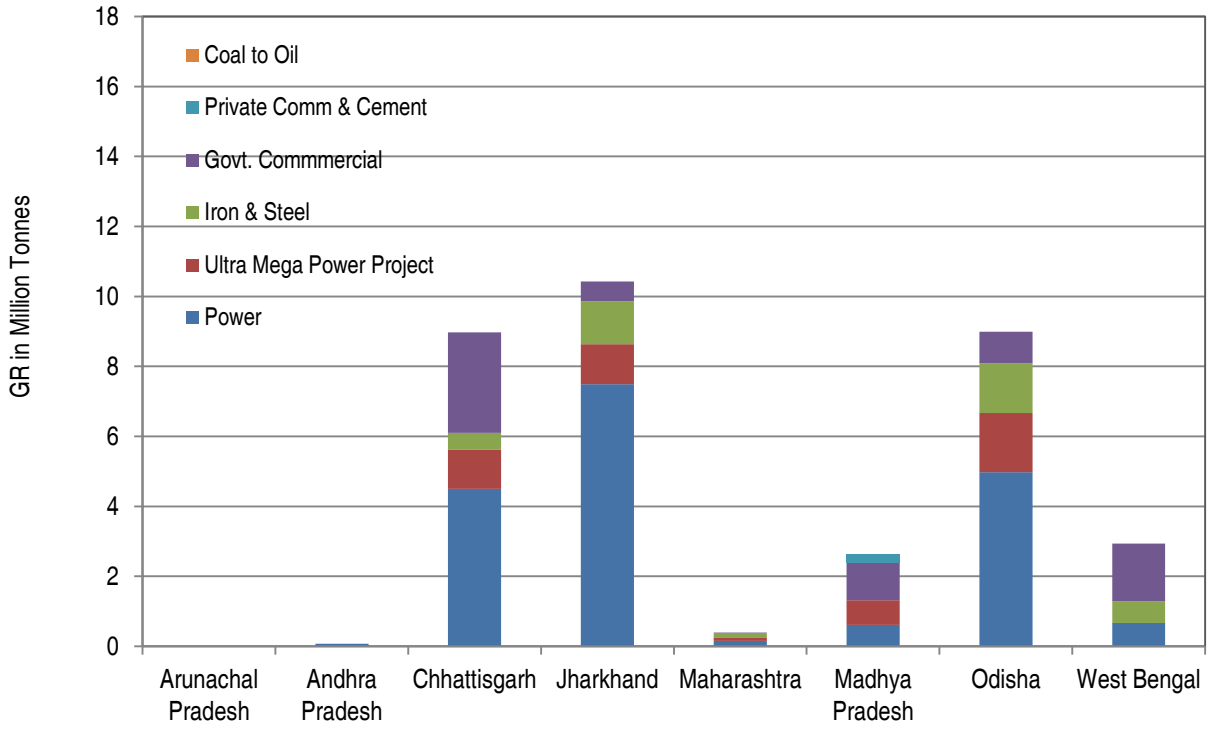


Chart 9.4 : Distribution of allotted GR Statewise as on 31/03/2014

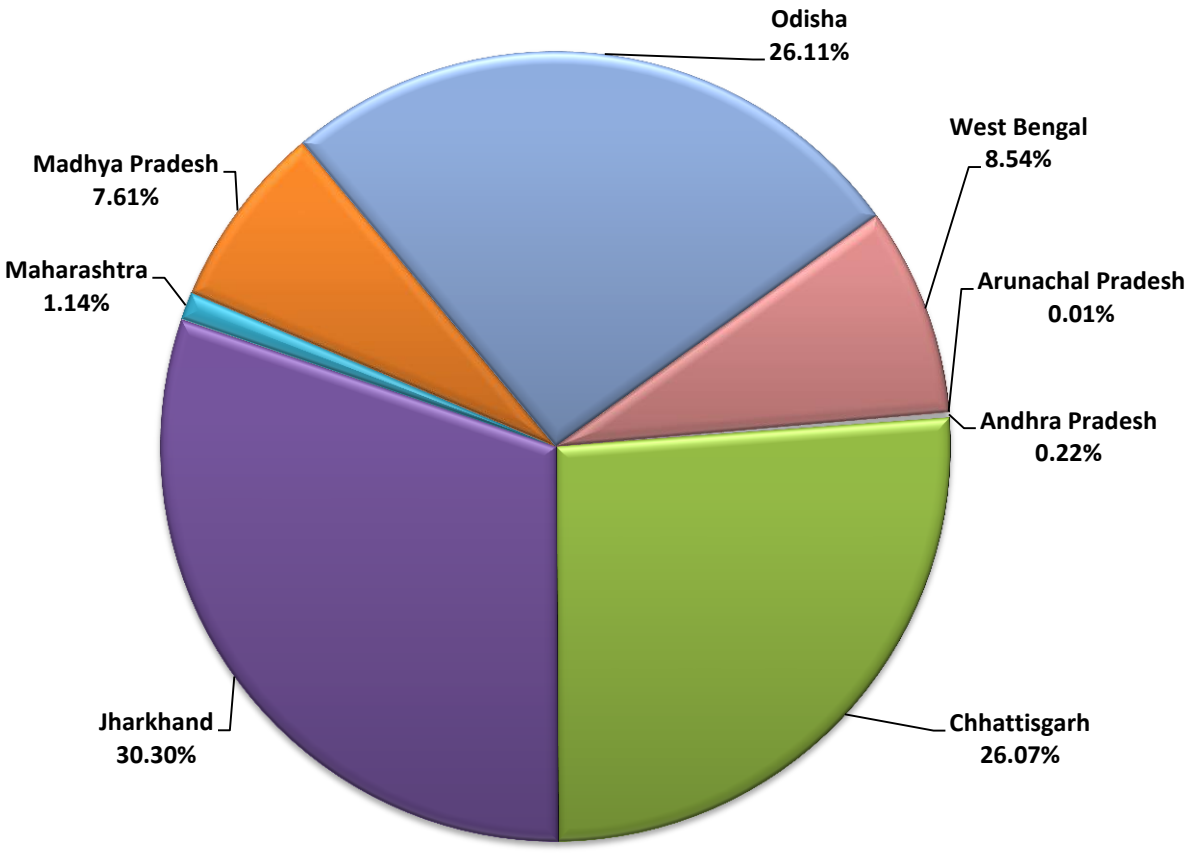


TABLE 9.1: SUMMARY OF ALLOCATION OF COAL & LIGNITE BLOCKS TILL 31/03/2014

Sector	End Use	Mode of Allotment	No of blocks	Geological Reserves (Qty. in MT)
(1)	(2)	(3)	(4)	(5)
A. COAL BLOCKS				
Public Sector Undertakings	Power	Govt. dispensation	44	15914.638
	Power	Captive dispensation		
		Sub total	**44**	**15914.638**
	Commercial Mining	Govt. dispensation	32	7090.052
	Iron & Steel	Govt. dispensation	2	360.230
	Iron & Steel	Captive dispensation		
		Sub total	**2**	**360.230**
		PSU Total	**78**	**23364.920**
Private Companies	Power	Captive dispensation	16	2576.870
	Power	Ultra Mega Power Project	12	4747.400
		Sub total	**28**	**7324.270**
	Iron & Steel	Captive dispensation	28	3495.4255
	Cement	Captive dispensation	2	225.390
	Small and Isolated Patch (Commercial Mining)	Captive dispensation	2	9.340
	Coal to Oil	Captive dispensation		
		Pvt. Total	**60**	**11054.426**
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**	**34419.34567**
B. LIGNITE BLOCKS				
State PSU	Power	Govt. dispensation	10	1027.53
	Commercial	Govt. dispensation	9	462.40
	Subtotal		**19**	**1489.93**
Private	Power	Captive dispensation	5	99.50
Private	Commercial	Captive dispensation	1	7.80
	Subtotal		**6**	**107.30**
ALL INDIA	Power		15	1127.03
	Commercial		10	470.20
	Grand Total		**25**	**1597.23**

1. The table excludes coal blocks which were deallocated/surrendered and yet not re-allocated.
2. GR quantities are as available with this office and as per status report furnished by the companies.
3. Upto March 2014, 80 coal blocks have been deallocated and 5 blocks have been re-allocated .

Table 9.2: Yearwise and Sectorwise Allotment of Captive Coal Blocks (till 31.03.2014)

(GR in Million Tonnes)

Year of Allotment	Power		Ultra Mega Power Project		Iron & Steel		Govt. Commmercial		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**	**171.8000**
1994	1	22.550											**1**	**22.5500**
1995	1	100.000											**1**	**100.0000**
1996	1	100.000			3	484.215			2	9.340			**6**	**593.5550**
1997													**0**	**0.0000**
1998	3	375.207											**3**	**375.2070**
1999					2	153.1835							**2**	**153.1835**
2000					1	67.170							**1**	**67.1700**
2001	1	562.000			1	24.260							**2**	**586.2600**
2002	1	92.920											**1**	**92.9200**
2003	10	317.590			4	427.169	2	322.120					**16**	**1066.8790**
2004	4	1899.890											**4**	**1899.8900**
2005	5	1557.090			11	1528.530	1	61.730					**17**	**3147.3500**
2006	10	5815.008	6	1591.860	3	183.548	15	5274.616					**34**	**12865.0320**
2007	11	3746.8632	1	916.520	3	240.580	12	1264.835	2	225.390			**29**	**6394.1882**
2008	5	1337.410	1	100.000	1	241.000	1	110.000					**8**	**1788.4100**
2009	1	137.000	3	1339.020	1	506.000							**5**	**1982.0200**
2010			1	800.000									**1**	**800.0000**
2011							1	56.7510					**1**	**56.7510**
2012													**0**	**0.0000**
2013*	5	2256.180											**5**	**2256.1800**
2014	0	0.000											**0**	**0.0000**
Total	**60**	**18491.508**	**12**	**4747.400**	**30**	**3855.656**	**32**	**7090.052**	**4**	**234.730**	**0**	**0.000**	**138**	**34419.34567**

GR quantities are asa vailable with this office and subject to change for few blocks with approval of Mine Plan and status report

Note: Till March'2014 80 Coal blocks have been deallocated which are not given in the list.

* 5 Coal Blocks have been reallcated in 2013.

Table 9.3: Statewise and Sectorwise Allotment of Captive Coal Blocks - (till 31.03.2014)

(GR in Million Tonnes)

State	Power		Ultra Mega Power Project		Iron & Steel		Govt. Commmercial		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)
Arunachal Pradesh							1	4.79					**1**	**4.79**
Andhra Pradesh	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**

TABLE 9.4: COAL PRODUCTION FROM CAPTIVE BLOCKS SINCE 1997-98, PROJECTION FOR XI TH FIVE YEAR PLAN AND CCO ESTIMATES

Year	Target / Achivement	Power		Iron & Steel		Govt. Comm		Private Comm & Cements		**Total**	
		No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	**No. of Coal Blocks**	**Production (Mill. Tonnes)**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	**(11)**	**(12)**
1997-98	Achievement	2	0.71							**2**	**0.71**
1998-99		2	1.79	1	0.04					**3**	**1.83**
1999-00		2	2.17	1	0.78					**3**	**2.95**
2000-01		2	2.41	1	1.42					**3**	**3.83**
2001-02		2	2.91	1	1.55					**3**	**4.46**
2002-03		3	3.40	1	2.12					**4**	**5.52**
2003-04		4	5.36	1	2.47					**5**	**7.83**
2004-05		4	6.92	2	3.09			2	0.10	**8**	**10.11**
2005-06		5	7.58	2	5.76			2	0.28	**9**	**13.62**
2006-07		5	10.07	4	7.32			2	0.22	**11**	**17.61**
XI th Five Year Plan											
2007-08	Target 1	13	13.90	4	8.05	1	0.20	2	0.33	**28**	**22.48**
2007-08	Achvmt	7	12.83	5	8.01	1	0.08	2	0.33	**15**	**21.25**
2008-09	Target 1	20	22.53	14	11.21	3	1.65	3	0.33	**58**	**35.72**
2008-09	Achvmt	14	21.25	8	8.39	1	0.14	2	0.24	**25**	**30.01**
2009-10	Target 1	30	24.90	37	19.04	6	2.85	2	0.30	**77**	**47.09**
2009-10	Achvmt	14	25.735	11	9.475	1	0.25			**26**	**35.46**
2010-11	Target 1	33	35.80	41	31.20	8	5.70	2	0.30	**86**	**73.00**
2010-11	Target 2	15	25.50	9	9.64	1	0.20	2	0.30	**27**	**35.64**
2010-11	Achvmt	15	24.36	10	9.27	1	0.30	2	0.30	**28**	**34.22**
2011-12	Target 1	42	54.28	41	41.30	8	8.20	2	0.30	**93**	**104.08**
2011-12	Target 2	18	27.30	16	10.35	2	0.30	2	0.30	**38**	**38.25**
2011-12	Achvmt	15	25.82	11	9.83	1	0.22	2	0.30	**29**	**36.17**
XII th Five Year Plan											
2012-13	Target	17	26.80	17	11.10	3	1.00	2	0.30	**39**	**39.20**
2012-13	Achvmt	19	25.59	13	10.72	2	0.42	2	0.30	**36**	**37.04**
2013-14	Target	20	28.25	21	12.16	4	0.57	3	0.30	**48**	**41.28**
2013-14	Achvmt	22	26.81	13	11.64	3	0.73	2	0.30	**40**	**39.49**

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

Table - 9.5 : LIGNITE BLOCKS ALLOCATED TILL 31/03/2014

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	Non-producing
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	Kapurdih	RRVPNL	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	Kaprion-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.

Table:- 9.6 List of allocated coal blocks till 31.3.2014

Sl No	Block name	No of Blk	State	Geological Reserve (In Mill tonnes) Prov	Dt of Allotment	Allotment year	Company	PUS/Pvt	Sector of Allotment
State of Andra Pradesh									
1	Tadicherla-I	1	AP	77.04	06.12.05	2005	Andhra Pradesh Power Generation Corpn. Ltd.	PSU(S)	Power
State of Arunachal Pradesh									
2	Namchik Namphuk	1	ArP	4.79	28.10.03	2003	Arunachal Pradesh Mineral Dev. Corporation	PSU(S)	Commercial
State of Chhatisgarh									
3	Gare-Palma-IV/1	1	CH	132.72	20.06.96	1996	Jindal Steel & Power Ltd.	P	Sponge Iron
4	Gare-Palma-IV/5	1	CH	99.615	21.06.96	1996	Monet Ispat and Energy Ltd	P	Sponge Iron
5	Gare-Palma-IV/2 & IV/3	2	CH	178.86	01.07.98	1998	Jindal Power Ltd	P	Power
6	Gare-Palma- IV/4	1	CH	38.8465	16.08.99	1999	Jayaswal Neco Ltd	P	Sponge Iron
7	Gare-Palma-IV/7	1	CH	67.17	25.04.00	2000	Raipur Alloys&Steel Ltd	P	Sponge Iron
8	Chotia	1	CH	38.999	04.09.03	2003	Prakash Industries Ltd	P	Sponge Iron
9	Tara	1	CH	317.33	14.08.03	2003	Chhattisgarh Mineral Development Corporation Limited (CMDCL)	PSU(S)	Commercial
10	Gidhmuri & Paturia	2	CH	350.00	23.09.04	2004	Chhattisgarh State Electricity Board (CSEB)	PSU(S)	Power
11	Gare Palma, Sector-I	1	CH	1667.715	02.08.06	2006	Chhattisgarh Mineral Development Corporation Limited (CMDCL),	PSU(S)	Commercial
12	Morga–I	1	CH	250.00	02.08.06	2006	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
13	Morga II	1	CH	350.00	02.08.06	2006	Gujarat Mineral Development Corporation (GMDC)	PSU(S)	Commercial
14	Talaipali	1	CH	1267.00	25.01.06	2006	NTPC	PSU(C)	Power
15	Parsa	1	CH	256.40	02.08.06	2006	Chhattisgarh State Electricity Board (CSEB)	PSU(S)	Power
16	Gare Pelma Sector II	1	CH	1059.298	02.08.06	2006	Maharashtra State Mining Corpn. (MSMCL), Tamil Nadu State Electricity Board, Chennai	PSU(S)	Power
17	Gare Palma IV/8	1	CH	107.20	13.01.06	2006	Jayaswal Neco Ltd	P	Sponge Iron
18	Sondiha	1	CH	83.17	25.07.07	2007	Chhattisgarh Mineral Development Corporation Limited (CMDCL)	PSU(S)	Commercial
19	DurgapurII/ Sarya	1	CH	91.672	06.11.07	2007	DB Power Ltd.	P	Power
20	DurgapurII/ Taraimar	1	CH	211.366	06.11.07	2007	BALCO	P	Power
21	Parsa East & Kanta Basan	2	CH	532.86	25.06.07	2007	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
22	Marki Bakra	1	CH	80.06	25.07.07	2007	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Power
23	Morga III	1	CH	35.00	25.07.07	2007	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Power
24	Morga IV	1	CH	35.00	25.07.07	2007	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Power
25	Fatehpur East	1	CH	343.00	23.01.08	2008	JLD Yavatmal Energy Ltd., R.K.M. Powergen Pvt. Ltd., Visa Power Ltd., Green Infrastructure Pv Ltd., Vandana Vidyut Ltd.	P	Power
26	Gare Palma Sector-III	1	CH	210.20	12.11.08	2008	Goa Industrial Development Corpn.	PSU(S)	Power
27	Pindrakhi	1	CH	421.51	09.09.09	2009	Akaltara Power Ltd.	P	UMPP
28	Puta Parogia	1	CH	692.16	09.09.10	2010	Akaltara Power Ltd.	P	UMPP
29	Vijay Central	1	CH	56.751	01.11.11	2011	Coal India Ltd., SKS Ispat & Power Ltd.	PSU(S)	Commercial
State of Jharkhand									
30	Tasra	1	JH	251.88	26.02.96	1996	Steel Authority of India Ltd.	PSU(C)	Steel
31	Pachwara Central	1	JH	562.00	28.12.01	2001	Punjab State Electricity Board	PSU(S)	Power
32	Tokisud North	1	JH	92.92	07.01.02	2002	GVK Power (Govindwal Sahib) Ltd	P	Power

Contd.....

Table:- 9.6 List of allocated coal blocks till 31.3.2014

Sl No	Block name	No of Blk	State	Geological Reserve (In Mill tonnes) Prov	Dt of Allotment	Allotment year	Company	PUS/Pvt	Sector of Allotment
33	Kathautia	1	JH	29.29	29.09.03	2003	Usha Martin Ltd	P	Sponge Iron
34	Badam	1	JH	144.00	03.11.03	2003	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
35	Pakri-Barwadih	1	JH	1436.00	11.10.04	2004	NTPC	PSU(C)	Power
36	Moitra	1	JH	215.78	13.05.05	2005	Jayaswal Neco Ltd	P	Sponge Iron
37	Brinda, Sasai & Meral	3	JH	77.00	26.05.05	2005	Abhijeet Infrastructure P. Ltd.	P	Sponge Iron
38	Parbatpur-A to C	1	JH	231.23	07.07.05	2005	Electrosteel castings Ltd	P	Sponge Iron
39	Lohari	1	JH	9.99	24.08.05	2005	Usha Martin Ltd	P	Sponge Iron
40	Pachwara North	1	JH	609.35	26.04.05	2005	WBPDCL	PSU(S)	Power
41	Gomia	1	JH	251.00	02.08.06	2006	Mines & Minerals Trading Corporation Ltd	PSU(C)	Commercial
42	Sugia Closed mine	1	JH	4.00	30.01.06	2006	Jharkhand State Mineral Development Corporation	PSU(S)	Commercial
43	Rauta Closed mine	1	JH	2.00	30.01.06	2006	Jharkhand State Mineral Development Corporation	PSU(S)	Commercial
44	Burakhap small patch	1	JH	2.00	30.01.06	2006	Jharkhand State Mineral Development Corporation	PSU(S)	Commercial
45	Saria Koiyatand	1	JH	202.00	02.08.06	2006	Bihar Rajya Khanij Vikas Nigam (BRKVN)	PSU(S)	Commercial
46	Gondulpara	1	JH	166.11	13.01.06	2006	Tenughat Vidyut Nigam Limited (TVNL), Damodar Valley Corporation	PSU	Power
47	Chatti Bariatu	1	JH	193.00	25.01.06	2006	NTPC	PSU(C)	Power
48	Rajbar E&D	1	JH	807.00	02.08.06	2006	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
49	Banhardih	1	JH	920.39	02.08.06	2006	Jharkhand State Electricity Board (JSEB),	PSU(S)	Power
50	Kerandari	1	JH	188.79	25.01.06	2006	NTPC	PSU(C)	Power
51	Dumri	1	JH	55.988	13.01.06	2006	Nilachal Iron & Power Generation, Bajrang Ispat Pvt. Ltd.	P	Sponge Iron
52	Jitpur	1	JH	81.095	20.02.07	2007	Jindal Steel & Power Ltd.	P	Power
53	Patal East	1	JH	130.00	06.11.07	2007	Bhushan Power and Steel Ltd.	P	Power
54	Chatti Bariatu South	1	JH	354.00	25.07.07	2007	NTPC	PSU(C)	Power
55	Saharpur Jamarpani	1	JH	600.00	25.07.07	2007	Damodar Valley Corporation	PSU(C)	Power
56	Urma Paharitora	1	JH	579.30	25.07.07	2007	Jharkhand State Electricity Board (JSEB), BSMDCL	PSU(S)	Power
57	Sitanala	1	JH	108.35	11.04.07	2007	Steel Authority of India Ltd.	PSU(C)	Sponge Iron
58	Kerandari BC	1	JH	916.52	20.07.07	2007	Power Finance Corporation Talaiy UMPP Jharkhand	P	UMPP
59	Jogeswar & Khas Jogeswar	1	JH	110.00	11.04.08	2008	JSMDCL	PSU(S)	Commercial
60	Mahuagarhi	1	JH	305.94	09.01.08	2008	CESC Ltd., Jas Infracture Capital Pvt Ltd.	P	Power
61	Seregarha	1	JH	187.75	09.01.08	2008	Arcelor Mittal India Ltd., GVK Power (Govindwal Sahib) Ltd.	P	Power
62	Rohne	1	JH	241.00	05.06.08	2008	JSW Steel Ltd., Bhushan Power & Steel Ltd., Jai Balaji Industry Ltd.	P	Sponge Iron
63	Mourya	1	JH	225.35	26.6.09	2009	Karanpura Energy Ltd.(SPV of JSEB)	P	UMPP
64	Ganeshpur	1	JH	137.00	28.5.10	2010	Tata Steel Ltd., Adhunik Thermal Energy Ltd.	P	Power
State of Maharastra									
65	Bhivkund	1	MAH	100.00	17.07.08	2008	MAHAGENCO	P	UMPP
66	Marki Mangli-I	1	MH	24.26	25.04.01	2001	B.S. Ispat	P	Sponge Iron
67	Baranj – I, II, III, IV, Kiloni & Manora Deep	6	MH	156.91	10.11.03	2003	Karnataka Power Corporation Ltd	PSU(S)	Power

Contd…….

Table:- 9.6 List of allocated coal blocks till 31.3.2014

Sl No	Block name	No of Blk	State	Geological Reserve (In Mill tonnes) Prov	Dt of Allotment	Allotment year	Company	PUS/Pvt	Sector of Allotment
68	Marki Mangli-II, III & IV	3	MH	22.13	06.09.05	2005	Veerangana Steel Limited.	P	Sponge Iron
69	Belgaon	1	MH	20.72	28.03.05	2005	Sunflag Iron Steel Ltd	P	Sponge Iron
70	Marki-Zari-Jamani-Adkoli	1	MH	24.18	02.08.06	2006	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
71	Nerad Malegaon	1	MH	20.36	13.01.06	2006	Gupta Metallics & Power Ltd., Gupta Coalfields & Washeries Ltd.	P	Sponge Iron
72	Kosar Dongergaon	1	MH	22.63	20.02.07	2007	Chaman Metaliks Ltd.	P	Sponge Iron
State of Madhya Pradesh									
73	Gotitoria (East)	1	MP	5.15	21.06.96	1996	BLA Industries Ltd	P	Commercial
74	Gotitoria (West)	1	MP	4.19	21.06.96	1996	BLA Industries Ltd	P	Commercial
75	Amelia	1	MP	393.60	12.01.06	2006	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
76	Amelia (North)	1	MP	123.54	12.01.06	2006	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
77	Dongeri Tal-II	1	MP	160.311	02.08.06	2006	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
78	Mahan	1	MP	136.05	12.04.06	2006	Essar Power Ltd., Hindalco Industries Ltd.	P	Power
79	Mara II Mahan	1	MP	477.50	02.08.06	2006	NCT of Delhi, Delhi, Haryana Power Generation Generation Corp Ltd.	PSU(S)	Power
80	Moher, Moher-Amlori Extn & Chhatrasal	3	MP	706.86	13.09.06 & 26.10.06	2006	Power Finance Corporation Sasan UMPP	P	UMPP
81	Sial Ghogri	1	MP	30.39	29.05.07	2007	Prism Cement Limited	P	Cement
82	Mandla North	1	MP	195.00	17.09.07	2007	M/s. Jaiprakash Associates Ltd	P	Cement
83	Sahapur East	1	MP	63.63	25.07.07	2007	National Mineral Dev. Corp	PSU(C)	Commercial
84	Sahapur West	1	MP	52.679	25.07.07	2007	National Mineral Dev. Corp	PSU(C)	Commercial
85	Suliyari Belwar	1	MP	141.00	25.07.07	2007	Andhra Pradesh Mineral Development (APMDC)	PSU(S)	Commercial
86	Bicharpur	1	MP	56.00	25.07.07	2007	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
87	Mandla South	1	MP	72.00	25.07.07	2007	Madhya Pradesh State Mining Corporation (MPSMC)	PSU(S)	Commercial
State of Odisha									
88	Talabira-I	1	OR	22.55	25.02.94	1994	Hindalco Industries Ltd.	P	Power
89	Utkal-C	1	OR	196.347	29.05.98	1998	Utkal Coal Ltd.(formerly ICCL)	P	Power
90	Utkal-B2	1	OR	114.337	16.08.99	1999	Monet Ispat and Energy Ltd	P	Sponge Iron
91	Utkal B 1	1	OR	226.88	29.09.03	2003	Jindal Steel & Power Ltd.	P	Sponge Iron
92	Jamkhani	1	OR	132.00	12.11.03	2003	Bhushan Power and Steel Ltd.	P	Sponge Iron
93	Utkal 'E'	1	OR	113.89	27.08.04	2004	NALCO	PSU(C)	Power
94	Utkal-A	1	OR	951.68	29.11.05	2005	JSW Steels Ltd./ Jindal Thermal Power Ltd., MCL, Jindal Stainless Steel Ltd., Shyam Metalics & Energy Ltd. (formerly Shyam DRI Ltd.)	P	Sponge Iron
95	Talabira II	1	OR	589.21	10.11.05	2005	Hindalco, MCL , NLC	PSU(C)	Power
96	Nuagaon Telisahi	1	OR	898.50	02.08.06	2006	Orissa Mining Corporation (OMC), Bhubnewar, Andhra Pradesh Mineral Development (APMDC)	PSU(S)	Commercial
97	Dulunga	1	OR	245.00	25.01.06	2006	NTPC	PSU(C)	Power
98	Mahanadi Machhakata	2	OR	1400.65	06.02.06	2006	GSECL , MSEB	PSU(S)	Power
99	Meenakshi, Dipside of Meenakshi & Meenakshi B	3	OR	885.00	13.09.06	2006	Power Finance Corporation Orissa UMPP	P	UMPP

Contd…….

Table:- 9.6 List of allocated coal blocks till 31.3.2014

Sl No	Block name	No of Blk	State	Geological Reserve (In Mill tonnes) Prov	Dt of Allotment	Allotment year	Company	PUS/Pvt	Sector of Allotment
100	Chendipada & Chendipada-II	2	OR	1588.89	25.07.07	2007	Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd., Chhattisgarh Mineral Development Corporation Ltd. (CMDCL), MAHAGENCO	PSU(S)	Power
101	Manoharpur & Dipside of Manoharpur	2	OR	531.68	25.07.07	2007	Orissa Power Generation Corporation	PSU(S)	Power
102	Mandakini A	1	OR	290.52	09.01.08	2008	Monet Ispat and Energy Ltd., Jindal Photo Ltd., Tata Power Company Ltd.	P	Power
103	Bankui	1	OR	800.00	21.06.10	2010	Sakshigopal Integrated Power Co Ltd.	P	UMPP
State of West Bengal									
104	Sarshatolli	1	WB	171.80	10.08.93	1993	RPG Industries/CESC Ltd.	P	Power
105	Tara (East)	1	WB	100.00	14.07.95	1995	WBSEB	PSU(S)	Power
106	Tara (West)	1	WB	100.00	17.04.96	1996	WBPDCL	PSU(S)	Power
107	Gangaramchak & Gangaramchak Bhadulia	2	WB	13.68	23.06.03	2003	WBPDCL	PSU(S)	Power
108	Barjora	1	WB	3.00	23.06.03	2003	WBPDCL	PSU(S)	Power
109	Trans Damodar	1	WB	61.73	14.01.05	2005	West Bangal Mineral Dev. Trading. Corp.	PSU(S)	Commercial
110	Barjora (North)	1	WB	85.49	03.03.05	2005	Damodar Valley Corporation	PSU(C)	Power
111	Khagra Joydev	1	WB	196.00	03.03.05	2005	Damodar Valley Corporation	PSU(C)	Power
112	Ichhapur	1	WB	735.77	02.08.06	2006	West Bangal Mineral Dev. Trading. Corp.	PSU(S)	Commercial
113	Kulti	1	WB	210.00	02.08.06	2006	West Bangal Mineral Dev. Trading. Corp.	PSU(S)	Commercial
114	Jaganathpur A	1	WB	267.33	25.07.07	2007	West Bangal Mineral Dev. Trading. Corp.	PSU(S)	Commercial
115	Jaganathpur B	1	WB	169.57	25.07.07	2007	West Bangal Mineral Dev. Trading. Corp.	PSU(S)	Commercial
116	Sitarampur	1	WB	209.40	27.12.07	2007	West Bengal Mineral Dev. Trading. Corp.	PSU(S)	Commercial
117	Ardhagram	1	WB	109.60	06.12.07	2007	Sova Ispat Limited, Jaibalaji Sponge Ltd.	P	Sponge Iron
118	Andal East	1	WB	506.00	03.07.09	2009	Bhusan Steel Ltd., Jai Balaji Industries Ltd., Rashni Cement Ltd.	P	Sponge Iron

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 2012. 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.

Statement 10.1: World Coal and Lignite Reserve (MT)

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: Survey of Energy Resources, World Energy Council.

10.2 Production

10.2.1 World coal and lignite production during the year 2013 was 7666.82 MT comprising of 6826.76 MT and 840.06 MT of coal and lignite respectively. During the year 2012, production of coal and lignite was 7660.33 MT comprising 6755.75 MT of coal and lignite 904.58MT. Statement 10.2 shows main coal and lignite producing countries during 2013. In this Statement it can be seen that the top six positions are occupied by China (3427.88 MT), USA (892.64 MT), India (604.48 MT), Indonesia (488.62 MT), Australia (459.30 MT), and Russia (347.22 MT) and these six countries together account for about 81.12% of total world coal production whereas China alone accounts for 44.71% of the coal production.

Statement 10.2: World Coal and Lignite Production (MT) in 2013

Country / Group	Production	% Share
China	3427.88	44.71
USA	892.64	11.64
India	604.48	7.88
Indonesia	488.62	6.37
Australia	459.30	5.99
Russia	347.22	4.53
South Africa	255.85	3.34
Germany	190.96	2.49
Poland	142.32	1.86
Kazakhstan	119.90	1.56
Others	737.66	9.62
World	7666.82	100.0

10.2.2 World Coking Coal production during 2013 is given in Statement 10.3.

Statement 10.3: World Coking Coal Production (MT) in 2013

Country	Production	% Share
China	526.71	52.5
Australia	158.15	15.8
United States of America	77.86	7.8
Russian Federation	73.12	7.3
India	41.76	4.2
Canada	34.06	3.4
Mongolia	20.40	2.0
Ukraine	20.16	2.0
Kazakhstan	11.56	1.2
Poland	12.11	1.2
Others	28.88	2.7
World	1003.46	100.0

Source: International Energy Agency (IEA).

10.2.5 Statement 10.4 provides world lignite production during 2013 by major lignite producing countries.

Statement 10.4: World Lignite Production (MT) in 2013

Country	Production	% Share
Germany	182.70	21.7
Russian Federation	73.14	8.7
Australia	62.58	7.4
USA	69.82	8.3
Turkey	63.00	7.5
Poland	65.85	7.8
Greece	53.57	6.4
Czech Republic	40.39	4.8
India	44.68	5.3
Others	217.10	21.9
World	840.05	100.0

Source: International Energy Agency (IEA)

Import and Export

10.3.1 World import of coal during 2013 registered a growth of 6.98% over the last year. During 2013 total coal import was 1362.1 MT against 1273.2 MT in 2012. Import of coking coal was 290.56 MT, steam coal 1071.54 MT and lignite was 3.90 MT. Statement 10.5 shows major country wise import of coking coal, steam coal during 2013.

Statement 10.5: World Coal Import (MT) in 2013

Country	Import		
	Coking Coal	Steam Coal	Total Coal
China	77.04	250.14	327.18
Japan	53.83	141.75	195.58
Korea	31.04	95.47	126.51
India	37.71	142.23	179.94
Chinese Taipei	6.55	61.48	68.03
Germany	7.79	42.65	50.44
Ukraine	11.64	4.09	15.73
Brazil	10.59	7.45	18.04
Turkey	5.99	21.82	27.81
Others	48.38	304.46	352.84
World	290.56	1071.54	1362.1
Source: International Energy Agency (IEA).			

10.3.2 World export of coal during 2013 registered a growth of 6.04% over 2012. During 2013, total coal export was 1328.52 MT against 1252.81 MT in 2012. During 2013, export of coking coal was 300.70 MT, steam coal 1027.82 and lignite 4.79 MT. Statement 10.6 shows major country wise export of coal during 2013.

Statement 10.6: World Coal Export (MT) in 2013

Country	Export		
	Coking Coal	Steam Coal	Total Coal
USA	59.58	47.12	106.7
Canada	33.10	3.38	36.48
Indonesia	2.80	423.32	426.12
Australia	154.19	182.11	336.3
Mongolia	15.44	1.88	17.32
Russian Federation	21.53	117.45	138.98
South Africa	0.67	71.78	72.45
China	1.11	6.20	7.31
Mozambique	3.50	0.36	3.86
Others	8.78	174.22	183
World	300.70	1027.82	1328.52
Source: International Energy Agency (IEA).			

10.3 Prices

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 2013

(Figs. 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%	266	* More than 500 years
Canada	3474	3108	**6582**	0.7%	95	# Less than 0.05%
Mexico	860	351	**1211**	0.1%	73	
Total North America	**112835**	**132253**	**245088**	**27.5%**	**250**	**Notes:**
Brazil	-	6630	**6630**	0.7%	*	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 deposits under existing economic and operating conditions.
Colombia	6746	-	**6746**	0.8%	79	
Venezuela	479	-	**479**	0.1%	206	
Other S. & Cent. America	57	729	**786**	0.1%	278	
Total S. & Cent. America	**7282**	**7359**	**14641**	**1.6%**	**149**	
Bulgaria	2	2364	**2366**	0.3%	83	
Czech Republic	181	871	**1052**	0.1%	21	
Germany	48	40500	**40548**	4.5%	213	
Greece	-	3020	**3020**	0.3%	56	
Hungary	13	1647	**1660**	0.2%	174	
Kazakhstan	21500	12100	**33600**	3.8%	293	
Poland	4178	1287	**5465**	0.6%	38	Reserves-to-production (R/P) ratio - If the reserves remaining at the end of the 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.
Romania	10	281	**291**	w	12	
Russian Federation	49088	107922	**157010**	17.6%	452	
Spain	200	330	**530**	0.1%	120	
Turkey	322	8380	**8702**	1.0%	141	
Ukraine	15351	18522	**33873**	3.8%	384	
United Kingdom	228	-	**228**	w	18	
Other Europe & Eurasia	1436	20757	**22193**	2.5%	236	
Total Europe & Eurasia	**92557**	**217981**	**310538**	**34.8%**	**254**	
South Africa	30156	-	**30156**	3.4%	117	
Zimbabwe	502	-	**502**	0.1%	315	
Other Africa	942	214	**1156**	0.1%	466	
Middle East	1122	-	**1122**	0.1%	*	
Total Middle East & Africa	**32722**	**214**	**32936**	**3.7%**	**126**	
Australia	37100	39300	**76400**	8.6%	160	
China	62200	52300	**114500**	12.8%	31	
India	56100	4500	**60600**	6.8%	100	
Indonesia	-	28017	**28017**	3.1%	67	
Japan	337	10	**347**	w	288	
New Zealand	33	538	**571**	0.1%	126	
North Korea	300	300	**600**	0.1%	15	
Pakistan	-	2070	**2070**	0.2%	*	
South Korea	-	126	**126**	w	69	
Thailand	-	1239	**1239**	0.1%	69	
Vietnam	150	-	**150**	w	4	
Other Asia Pacific	1583	2125	**3708**	0.4%	87	
Total Asia Pacific	**157803**	**130525**	**288328**	**32.3%**	**54**	
Total World	**403199**	**488332**	**891531**	**100.0%**	**113**	
of which: OECD	155494	229321	**384815**	43.2%	191	
Non-OECD	247705	259011	**506716**	56.8%	86	
European Union #	4883	51199	**56082**	6.3%	103	
Former Soviet Union	86725	141309	**228034**	25.6%	396	

Source of reserves data: Survey of Energy Resources 2013, World Energy Council.

Table 10.2: Trends of Coal Production By Major Coal Producing Countries during Last Ten Years
(Figs. In Million Tonnes Oil Equivalent)

Countries	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change 2013 over 2012	2013 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
US	1008.9	1026.5	1054.8	1040.2	1063.0	975.2	983.7	993.9	922.1	**892.6**	-3.1%	12.9%
Canada	66.2	68.4	67.4	69.0	68.4	64.6	68.0	67.5	67.1	**69.5**	3.9%	0.9%
Mexico	12.2	12.7	14.1	15.2	13.8	12.1	14.9	19.0	15.7	**16.6**	6.0%	0.2%
Total North America	**1087.3**	**1107.6**	**1136.3**	**1124.4**	**1145.2**	**1051.9**	**1066.6**	**1080.3**	**1005.0**	**978.8**	**-2.5%**	**14.1%**
Brazil	5.4	6.3	5.9	6.0	6.6	5.1	5.4	5.5	6.6	**7.4**	11.7%	0.1%
Colombia	53.7	59.1	65.6	69.9	73.5	72.8	74.4	85.8	89.0	**85.5**	-3.7%	1.4%
Venezuela	8.1	7.2	7.9	6.1	4.9	3.3	2.7	2.1	3.1	**2.3**	-25.2%	♦
Other S. & Cent. America	0.3	0.5	0.9	0.5	0.6	0.8	0.5	0.6	0.9	**2.8**	233.0%	♦
Total S. & Cent. America	**67.5**	**73.0**	**80.3**	**82.5**	**85.7**	**81.9**	**83.0**	**94.0**	**99.6**	**98.0**	**-1.7%**	**1.6%**
Bulgaria	26.5	24.7	25.7	28.5	28.8	27.2	29.4	37.1	33.4	**28.6**	-14.2%	0.1%
Czech Republic	62.0	62.0	62.9	62.6	60.2	56.4	55.2	57.9	55.0	**49.0**	-13.2%	0.5%
France	0.9	0.6	0.5	0.4	0.3	0.1	0.3	0.1	-	**-**	-	-
Germany	207.8	202.8	197.1	201.9	192.4	183.7	182.3	188.6	196.2	**190.3**	-5.5%	1.1%
Greece	70.0	69.4	64.8	66.3	65.7	64.9	56.5	58.7	63.0	**53.8**	-14.4%	0.2%
Hungary	11.5	9.6	10.0	9.8	9.4	9.0	9.1	9.6	9.3	**9.5**	3.0%	0.1%
Kazakhstan	86.9	86.6	96.2	97.8	111.1	100.9	106.6	111.4	115.7	**114.7**	-0.1%	1.5%
Poland	162.4	159.5	156.1	145.9	144.0	135.2	133.2	139.3	144.1	**142.9**	-1.9%	1.5%
Romania	31.8	31.2	34.9	35.8	35.9	34.0	31.1	35.5	33.9	**24.7**	-26.9%	0.1%
Russian Federation	281.7	298.3	309.9	313.5	328.6	301.3	321.6	335.9	356.1	**347.1**	-1.9%	4.3%
Spain	20.5	19.4	18.4	17.2	10.2	9.4	8.4	6.6	6.3	**4.4**	-32.5%	♦
Turkey	46.4	58.3	64.3	75.4	79.4	79.5	73.4	76.1	72.0	**61.7**	-13.5%	0.3%
Ukraine	81.3	78.8	80.2	76.8	79.5	73.8	76.8	84.6	88.2	**88.2**	0.3%	1.2%
United Kingdom	25.1	20.5	18.5	17.0	18.1	17.9	18.4	18.6	17.0	**12.8**	-24.5%	0.2%
Other Europe & Eurasia	79.5	78.5	81.0	86.6	90.3	88.0	88.5	95.5	91.4	**93.9**	4.3%	0.5%
Total Europe & Eurasia	**1194.3**	**1200.3**	**1220.4**	**1235.3**	**1253.8**	**1181.2**	**1190.9**	**1255.4**	**1281.6**	**1221.6**	**-3.8%**	**11.6%**
Total Middle East	**1.2**	**1.6**	**1.7**	**1.7**	**1.6**	**1.2**	**1.0**	**1.0**	**1.2**	**1.2**	**0.3%**	♦
South Africa	243.4	244.4	244.8	247.7	252.6	250.6	257.2	251.6	258.3	**256.7**	-0.3%	3.7%
Zimbabwe	3.8	3.4	2.1	2.1	1.5	1.7	2.7	2.6	1.6	**1.6**	0.3%	♦
Other Africa	2.1	1.9	2.1	1.7	1.7	1.5	2.0	1.8	2.5	**2.5**	0.5%	♦
Total Africa	**249.3**	**249.6**	**249.0**	**251.4**	**255.8**	**253.8**	**261.8**	**256.0**	**262.3**	**260.8**	**-0.3%**	**3.8%**
Australia	361.6	375.3	383.0	394.5	408.5	422.3	432.7	421.1	452.8	**478.0**	7.3%	6.9%
China	2122.6	2349.5	2528.6	2691.6	2802.0	2973.0	3235.0	3516.0	3645.0	**3680.0**	1.2%	47.4%
India	407.7	428.4	449.2	478.4	515.9	556.0	573.8	570.1	606.5	**605.1**	0.1%	5.9%
Indonesia	132.4	152.7	193.8	216.9	240.2	256.2	275.2	353.3	386.0	**421.0**	9.4%	6.7%
Japan	1.3	1.1	1.4	1.4	1.2	1.3	0.9	1.3	1.3	**1.2**	-8.6%	♦
New Zealand	5.2	5.3	5.7	4.8	4.8	4.6	5.3	4.9	4.9	**4.5**	-6.6%	0.1%
Pakistan	3.3	3.5	3.9	3.6	4.0	3.7	3.6	3.5	3.4	**3.4**	1.9%	♦
South Korea	3.2	2.8	2.8	2.9	2.8	2.5	2.1	2.1	2.1	**1.8**	-13.1%	♦
Thailand	20.1	20.9	19.1	18.2	18.1	17.6	18.3	21.3	18.1	**18.0**	-0.2%	0.1%
Vietnam	26.3	32.6	38.9	40.0	41.0	45.0	44.0	44.5	41.9	**41.2**	-1.4%	0.6%
Other Asia Pacific	42.3	46.4	47.1	45.3	48.2	54.0	67.4	82.9	81.6	**81.7**	0.7%	1.2%
Total Asia Pacific	**3125.8**	**3418.6**	**3673.4**	**3897.7**	**4086.7**	**4336.2**	**4658.3**	**5021.1**	**5243.6**	**5336.0**	**2.4%**	**68.9%**
Total World	**5725.4**	**6050.6**	**6361.1**	**6593.0**	**6828.8**	**6906.1**	**7261.6**	**7708.0**	**7893.3**	**7896.4**	**0.8%**	**100.0%**
of which: OECD	2090.5	2117.8	2145.7	2152.1	2169.1	2063.8	2071.4	2092.7	2056.3	**2019.8**	-0.7%	25.2%
Non-OECD	3634.9	3932.7	4215.4	4440.9	4659.7	4842.3	5190.2	5615.3	5837.0	**5876.6**	1.3%	74.8%
European Union #	640.7	621.4	609.7	608.6	588.2	559.7	548.8	577.6	583.7	**542.7**	-7.9%	3.9%
Former Soviet Union	467.3	481.9	503.7	508.7	539.3	495.6	527.3	555.3	583.7	**575.8**	-0.9%	7.1%

Source of reserves data: Survey of Energy Resources 2013, World Energy Council.

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

^ Less than 0.05.

♦ Less than 0.05%.

Notes: Annual changes and shares of total are based on data expressed in tonnes oil equivalent.

Growth rates are adjusted for leap years.

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

(Figs. In Million Tonnes Oil Equivalent)

Countries	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change in 2013 over 2012	2013 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
US	566.1	574.2	565.7	573.3	564.2	496.2	525.0	495.4	436.7	**455.7**	4.6%	11.9%
Canada	29.8	30.9	29.9	31.3	29.6	24.4	25.0	21.8	20.5	**20.3**	-0.9%	0.5%
Mexico	9.2	11.0	11.7	12.2	10.1	8.7	12.1	14.3	13.3	**12.4**	-6.1%	0.3%
Total North America	**605.1**	**616.0**	**607.3**	**616.7**	**603.8**	**529.3**	**562.1**	**531.4**	**470.5**	**488.4**	**4.1%**	**12.8%**
Argentina	0.8	0.9	0.3	0.4	1.1	1.2	1.0	0.9	0.7	**0.7**	0.6%	♦
Brazil	12.0	11.9	11.8	12.6	12.7	10.8	13.3	13.9	14.0	**13.7**	-1.8%	0.4%
Chile	2.6	2.6	3.2	3.8	4.1	3.7	4.2	5.3	6.2	**7.4**	19.6%	0.2%
Colombia	2.0	2.7	2.4	2.4	2.8	3.5	4.0	4.2	3.7	**4.3**	16.6%	0.1%
Ecuador	-	-	-	-	-	-	-	-	-	**-**	-	-
Peru	0.7	0.8	0.6	0.8	0.8	0.8	0.8	0.8	0.8	**0.8**	5.3%	♦
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	**-**	-	-
Venezuela	-	^	^	0.1	0.1	0.2	0.2	0.2	0.2	**0.2**	1.0%	♦
Other S. & Cent. America	1.8	1.6	1.8	1.9	2.0	1.9	2.0	2.0	2.0	**2.1**	1.9%	0.1%
Total S. & Cent. America	**20.0**	**20.5**	**20.2**	**22.0**	**23.5**	**22.0**	**25.4**	**27.4**	**27.6**	**29.2**	**6.0%**	**0.8%**
Austria	4.0	4.0	4.1	3.9	3.7	2.8	3.4	3.5	3.2	**3.6**	11.0%	0.1%
Azerbaijan	^	^	^	^	^	^	^	^	^	**^**	0.3%	♦
Belarus	0.1	0.1	0.1	^	^	^	^	0.1	0.1	**0.1**	0.9%	♦
Belgium	5.8	5.1	4.9	4.3	4.4	3.0	3.7	3.4	3.0	**2.9**	-0.9%	0.1%
Bulgaria	7.2	6.9	7.0	7.9	7.6	6.4	6.9	8.1	6.9	**5.9**	-14.6%	0.2%
Czech Republic	21.0	20.2	21.0	21.4	19.7	17.6	18.5	18.4	17.3	**16.5**	-4.3%	0.4%
Denmark	4.6	3.7	5.6	4.7	4.1	4.0	3.8	3.2	2.5	**3.2**	28.8%	0.1%
Finland	5.4	3.3	5.1	4.8	3.4	3.5	4.6	3.7	3.0	**3.7**	23.5%	0.1%
France	13.9	14.3	13.2	13.6	12.9	11.2	12.1	10.2	11.5	**12.2**	7.0%	0.3%
Germany	85.4	82.1	83.5	85.7	80.1	71.7	76.6	76.0	80.1	**81.3**	1.8%	2.1%
Greece	9.1	8.9	8.4	8.8	8.3	8.4	7.9	7.9	8.1	**7.1**	-12.3%	0.2%
Hungary	3.4	3.0	3.1	3.1	3.1	2.6	2.7	2.8	2.7	**2.7**	-1.1%	0.1%
Republic of Ireland	1.8	1.9	1.6	1.6	1.4	1.2	1.2	1.3	1.5	**1.3**	-10.5%	♦
Italy	16.6	16.5	16.7	16.8	16.3	12.8	14.2	15.9	16.3	**14.6**	-10.3%	0.4%
Kazakhstan	26.5	27.2	29.8	31.7	33.4	32.6	31.6	34.0	36.6	**36.1**	-1.0%	0.9%
Lithuania	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	**0.2**	2.4%	♦
Netherlands	8.6	8.2	7.9	8.5	8.1	7.5	7.6	7.5	8.2	**8.3**	1.9%	0.2%
Norway	0.8	0.7	0.6	0.7	0.7	0.5	0.6	0.7	0.7	**0.7**	♦	♦
Poland	57.3	55.7	58.0	57.9	56.0	51.9	56.4	56.1	54.3	**56.1**	3.6%	1.5%
Portugal	3.7	3.8	3.8	3.3	2.5	2.9	1.7	2.2	2.9	**2.7**	-8.4%	0.1%
Romania	7.4	7.6	8.5	7.4	7.4	6.6	6.1	7.3	6.9	**5.6**	-18.8%	0.1%
Russian Federation	99.5	94.2	96.7	93.4	100.4	91.9	90.2	93.7	98.1	**93.5**	-4.4%	2.4%
Slovakia	4.1	3.9	3.8	3.8	3.7	3.5	3.4	3.3	3.2	**3.1**	-2.1%	0.1%
Spain	20.9	20.6	18.4	19.7	14.0	10.6	7.9	12.3	15.1	**10.3**	-31.5%	0.3%
Sweden	2.3	2.2	2.3	2.2	2.0	1.6	2.3	2.0	1.5	**1.7**	13.2%	♦
Switzerland	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	**0.1**	3.0%	♦
Turkey	21.8	21.8	25.9	28.9	29.2	30.4	30.9	33.1	35.7	**33.0**	-7.5%	0.9%
Turkmenistan	-	-	-	-	-	-	-	-	-	**-**	-	-
Ukraine	39.1	37.4	39.7	39.7	41.8	35.9	38.3	41.5	42.7	**42.6**	♦	1.1%
United Kingdom	36.6	37.4	40.9	38.4	35.6	29.9	31.0	31.5	39.1	**36.5**	-6.2%	1.0%
Uzbekistan	1.2	1.2	1.7	1.4	1.4	1.1	1.1	1.1	1.2	**1.2**	0.3%	♦
Other Europe & Eurasia	23.8	22.2	19.2	20.6	21.0	19.7	21.1	23.2	21.6	**21.8**	1.6%	0.6%
Total Europe & Eurasia	**532.2**	**514.6**	**532.0**	**534.6**	**522.6**	**472.2**	**485.9**	**504.1**	**524.3**	**508.7**	**-2.7%**	**13.3%**

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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	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Change in 2013 over 2012	2013 Share of Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Iran	1.2	1.3	1.2	1.3	0.9	1.0	0.9	0.8	0.7	**0.7**	-1.7%	♦
Israel	8.0	7.9	7.8	8.0	7.9	7.7	7.7	7.9	8.8	**7.3**	-16.1%	0.2%
Kuwait	-	-	-	-	-	-	-	-	-	**-**	-	-
Qatar	-	-	-	-	-	-	-	-	-	**-**	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	**-**	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	**-**	-	-
Other Middle East	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.2	**0.2**	-3.4%	♦
Total Middle East	**9.2**	**9.3**	**9.2**	**9.5**	**9.0**	**8.9**	**8.8**	**8.9**	**9.7**	**8.2**	**-14.8%**	**0.2%**
Algeria	0.6	0.6	0.6	0.6	0.6	0.2	-	-	-	**-**	-	-
Egypt	1.2	1.2	1.3	1.4	1.3	1.2	1.5	1.4	1.4	**1.5**	2.1%	♦
South Africa	85.2	84.4	85.4	90.1	96.9	92.9	91.5	88.4	88.5	**88.2**	♦	2.3%
Other Africa	7.1	7.3	6.8	6.2	6.2	5.3	6.4	6.5	6.0	**5.9**	-0.6%	0.2%
Total Africa	**94.2**	**93.5**	**94.1**	**98.2**	**105.0**	**99.6**	**99.4**	**96.3**	**95.9**	**95.6**	**♦**	**2.5%**
Australia	50.8	53.5	56.0	54.6	55.4	53.5	50.7	50.3	47.3	**45.0**	-4.7%	1.2%
Bangladesh	0.4	0.4	0.6	0.8	0.8	0.9	0.9	0.9	1.0	**1.0**	5.8%	♦
China	1019.9	1128.3	1250.4	1320.3	1369.2	1470.7	1609.7	1760.8	1856.4	**1925.3**	4.0%	50.3%
China Hong Kong SAR	6.3	6.9	6.9	7.5	6.9	7.2	6.2	7.4	7.3	**7.8**	6.9%	0.2%
India	172.3	184.4	195.4	210.3	230.4	250.3	260.2	270.1	302.3	**324.3**	7.6%	8.5%
Indonesia	22.2	25.4	30.1	37.8	30.1	34.6	41.2	48.9	50.4	**54.4**	8.2%	1.4%
Japan	120.8	121.3	119.1	125.3	128.7	108.8	123.7	117.7	124.4	**128.6**	3.6%	3.4%
Malaysia	6.6	6.9	7.3	8.8	9.8	10.6	14.8	14.8	15.9	**17.0**	7.1%	0.4%
New Zealand	2.1	2.3	2.2	1.7	2.1	1.6	1.4	1.4	1.7	**1.5**	-13.0%	♦
Pakistan	3.8	4.1	4.2	5.1	5.3	4.7	4.5	4.3	4.3	**4.4**	3.4%	0.1%
Philippines	5.0	5.7	5.5	5.9	7.0	6.7	7.7	8.3	9.4	**10.5**	12.4%	0.3%
Singapore	-	-	-	-	-	-	-	-	-	**-**	-	-
South Korea	53.1	54.8	54.8	59.7	66.1	68.6	75.9	83.6	81.0	**81.9**	1.4%	2.1%
Taiwan	36.6	38.1	39.6	41.8	40.2	38.7	40.3	41.5	41.1	**41.0**	♦	1.1%
Thailand	10.4	11.2	12.4	14.2	15.3	15.4	15.8	16.0	16.8	**16.0**	-4.7%	0.4%
Vietnam	8.2	8.0	9.5	10.1	10.0	14.0	13.9	15.0	14.9	**15.9**	6.7%	0.4%
Other Asia Pacific	19.6	21.0	22.6	19.3	21.2	20.7	20.7	21.1	21.6	**22.1**	2.7%	0.6%
Total Asia Pacific	**1537.8**	**1672.4**	**1816.8**	**1923.1**	**1998.4**	**2106.9**	**2287.6**	**2462.1**	**2595.7**	**2696.5**	**4.2%**	**70.5%**
Total World	**2798.5**	**2926.3**	**3079.5**	**3204.2**	**3262.3**	**3239.0**	**3469.1**	**3630.3**	**3723.7**	**3826.7**	**3.0%**	**100.0%**
of which: OECD	1174.6	1180.8	1184.3	1207.7	1182.5	1055.6	1121.7	1098.4	1055.2	**1066.9**	1.4%	27.9%
Non-OECD	1624.0	1745.5	1895.2	1996.5	2079.8	2183.4	2347.5	2531.9	2668.5	**2759.8**	3.7%	72.1%
European Union #	324.8	315.1	323.5	324.3	300.3	264.9	278.2	283.1	293.4	**285.4**	-2.5%	7.5%
Former Soviet Union	170.8	164.2	171.9	170.9	181.6	165.6	166.3	175.7	183.8	**178.8**	-2.5%	4.7%

Source of reserves data: Survey of Energy Resources 2013, World Energy Council.

* 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.

w Less than 0.05%.

Excludes Estonia, Latvia

Notes: 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.

Growth rates are adjusted

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

† Source: McCloskey Coal Information Service. Prices for 1990-2000 are the average of the monthly marker, 2001-2013 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, 2001-2013 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 2012 & 2013

(Quantity in Thousand Tonnes)

Country	2013					2012				
	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Canada	34063	4219	21657	8969	2480	31086	4289	21625	9496	2804
Mexico	2270	0	13147	0	2133	2125	0	13031	0	2085
United States of America	77857	342868	402092	69819	13898	81300	359962	408052	71602	13764
North America	**114190**	**347087**	**436896**	**78788**	**18511**	**114511**	**364251**	**442708**	**81098**	**18653**
Argentina	0	80	0	0	0	0	95	0	0	765
Brazil	0	122	4827	3645	0	0	134	3312	3170	9683
Chile	0	2800	0	0	500	0	712	0	0	459
Colombia	3881	81506	0	0	0	4496	84528	0	0	2147
Peru	0	92	0	0	0	0	211	0	0	0
Venezuela	0	2570	0	0	0	0	1200	0	0	0
S & C. America	**3881**	**87170**	**4827**	**3645**	**500**	**4496**	**86880**	**3312**	**3170**	**13054**
Albania	0	0	0	2	0	0	0	0	5	0
Austria	0	0	0	0	1223	0	0	0	0	1308
Belarus	0	0	0	0	0	0	0	0	0	0
Belgium	0	0	0	0	1707	0	0	0	0	1843
Bosnia and Herzegovina	0	0	6340	6228	0	0	0	6359	5836	700
Bulgaria	0	6	0	28618	0	0	15	0	33412	0
Czech Republic	4559	4035	0	40385	2489	5049	6391	0	43533	2467
Estonia	0	0	0	0	22	0	0	0	0	25
Finland	0	0	0		878	0	0	0	0	881
France	0	0	0	0	3332	0	0	0	0	3205
Germany	4756	3504	0	182696	8273	6316	5242	0	185432	8050
Greece	0	0	0	53571	0	0	0	0	62956	0
Hungary	0	0	0	9545	924	0	0	0	9290	1026
FYR of Macedonia	0	0	0	6635	0	0	0	0	7310	0
Italy	0	80	0	0	2651	0	80	0	0	4184
Kosovo	0	0	0	8219	0	0	0	0	8028	0
Montenegro	0	0	0	1952	0	0	0	0	1786	0
Netherlands	0	0	0	0	1985	0	0	0	0	1879
Norway	0	1855	0	0	0	0	1229	0	0	0
Poland	12116	64350	0	65849	9360	11738	67496	0	64280	8893
Romania	0	0	0	24724	0	0	0	43	33902	0
Serbia	0	0	0	39558	0	0	0	0	38234	0
Slovak Republic	0	0	0	2355	1538	0	0	0	2292	1560
Slovenia	0	0	0	3876	0	0	0	0	4278	0
Spain	0	2542	1827	0	1761	0	3910	2275	0	1740
Sweden	0	0	0		1079	0	0	0	0	1115
Turkey	1000	1000	1000	63000	4597	1113	1179	1044	68125	4072
United Kingdom	248	12425	0	0	3800	386	15901	0	0	3743
Other Europe	0	30	0	0	0	0	0	0	0	0
Europe	**22679**	**89827**	**9167**	**537213**	**45619**	**24602**	**101443**	**9721**	**568699**	**46691**

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Table-10.5: Production of Coal and Coke by Major Coal Producing Countries during 2012 & 2013

(Quantity in Thousand Tonnes)

Country	2013					2012				
	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Georgia	0	0	0	350	0	0	0	0	254	0
Kazakhstan	11556	103089	0	5255	0	12956	99823	0	7748	2569
Kyrgyzstan	0	257	0	1165	0	0	153	0	1011	0
Russian Federation	73119	200960	0	73138	0	72768	205541	0	77299	36398
Tajikistan	0	540	33	0	0	0	379	33	0	0
Ukraine	20161	43107	0	0	0	20879	44644	0	0	18939
Uzbekistan	0	60	0	5586	0	0	60	0	3793	0
Ertswhile Soviet Union	**104836**	**348013**	**33**	**85494**	**0**	**106603**	**350600**	**33**	**90105**	**57906**
Botswana	0	1500	0	0	0	0	1471	0	0	0
Egypt	0	0	0	0	0	0	0	0	0	765
Islamic Republic of Iran	1059	117	0	0	0	940	104	0	0	526
Mozambique	3659	2333	0	0	0	2844	1686	0	0	0
Nigeria	0	48	0	0	0	0	48	0	0	0
South Africa	786	255065	0	0	0	1566	257009	0	0	2070
United Republic of Tanzania	0	270	0	0	0	0	79	0	0	0
Zambia	0	400	0	0	0	0	90	0	0	0
Zimbabwe	407	3075	0	0	0	392	2965	0	0	288
Other Africa	0	890	0	0	0	0	850	0	0	0
Africa & Middle East	**5911**	**263698**	**0**	**0**	**0**	**5742**	**264302**	**0**	**0**	**3649**
Australia	158146	214769	23810	62579	3006	146944	170384	42073	71350	2807
Bangladesh	0	845	0	0	0	0	835	0	0	0
Chinese Taipei	0	0	0	0	0	0	0	0	0	5152
DPR of Korea	0	27942	3618	0	0	0	25800	4488	0	0
India	41761	518041	0	44679	0	43484	505873	0	46453	23573
Indonesia	2796	266852	218969	0	0	3087	242565	198260	0	0
Japan	0	0	0	0	39893	0	0	0	0	39559
Korea	0	1814	0	0	14111	0	2094	0	0	14714
Malaysia	0	2954	0	0	0	0	2950	0	0	0
Mongolia	20400	1882	0	7878	0	19981	2293	0	7716	84
Myanmar	0	1128	0	40	0	0	782	0	62	0
Nepal	0	16	0	0	0	0	18	0	0	0
New Zealand	2151	128	2056	290	491	2075	202	2328	326	486
Pakistan	0	1888	0	1167	0	0	2021	0	1158	185
People's Republic of China	526707	2901170	0	0		515695	2884978	0	0	408440
Philippines	0	0	7091	0	0	0	0	7349	0	0
Thailand	0	0	0	17591	0	0	0	0	18069	0
Vietnam	0	39655	0	0	0	0	42383	0	0	0
Other Asia	0	1618	338	692	0	0	1513	0	597	0
Asia Pacific	**751961**	**3980702**	**255882**	**134916**	**57501**	**731266**	**3884691**	**254498**	**145731**	**495000**
World	**1003458**	**5116497**	**706805**	**840056**	**122131**	**987220**	**5052167**	**710272**	**888803**	**634953**

Source: International Energy Agency (IEA)

Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2012 & 2013

(Quantity in Thousand Tonnes)

Country	2013					2012				
	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
United States of America	876	6891	200	113	125	1015	6907	254	132	1029
Canada	3378	2885	2270	19	317	4382	3439	943	11	340
Mexico	737	0	6749	3	375	731	0	6706	3	391
N. America	**4991**	**9776**	**9219**	**135**	**817**	**6128**	**10346**	**7903**	**146**	**1760**
Argentina	928	887	0	0	0	417	1169	0	0	0
Brazil	10592	7122	323	0	0	10596	5538	353	0	1591
Chile	668	10362	0	0	60	637	9722	0	0	55
Costa Rica	0	155	0	0	0	0	3	0	0	94
Cuba	0	45	0	0	0	0	22	0	0	3
Dominican Republic	0	880	0	0	0	0	874	0	0	416
Guatemala	0	750	0	0	0	0	577	0	0	0
Honduras	0	150	0	0	0	0	163	0	0	76
Jamaica	0	95	0	0	0	0	93	0	0	0
Panama	0	342	0	0	0	0	323	0	0	163
Peru	0	893	0	0	1	0	650	0	0	1
Uruguay	0	3	0	0	0	0	3	0	0	0
C & S America	**12188**	**21684**	**323**	**0**	**61**	**11650**	**19137**	**353**	**0**	**2399**
Albania	0	117	0	0	0	0	248	0	0	0
Austria	1753	1681	74	7	1287	1786	1851	75	15	1191
Belarus	0	575	0	0	0	0	415	0	0	90
Belgium	2187	2372	0	0	56	2455	2665	0	0	133
Bosnia and Herzegovina	1049	0	17	0	0	1058	0	1	20	0
Bulgaria	0	1741	0	0	0	0	2440	0	0	66
Croatia	0	1181	0	56	0	0	875	0	46	29
Czech Republic	1127	999	0	306	426	849	898	0	338	458
Denmark	0	4952	0	0	19	0	3978	0	0	21
Finland	1212	3853	0	0	373	1124	2785	0	0	320
France	5218	11741	0	143	824	4744	11112	0	76	933
Germany	7790	42650	0	18	3489	9256	39778	0	0	3254
Greece	0	344	0	97	0	0	276	0	137	0
Hungary	1284	40	273	0	9	1435	52	299	0	7
Ireland	0	2383	0	0	0	0	2199	0	25	0
Iceland		104			35		104			43
Italy	2882	16822	450	5	929	4775	19287	435	4	0
Latvia	0	119	0	0	0	0	144	0	0	6
Lithuania	0	415	0	0	0	0	320	1	0	19
Luxembourg							82			1
Kosovo							69		53	
Netherlands	3905	21870	0	48	117	4076	20282	0	38	161
Norway	0	640	0	0	417	0	764	0	0	469
Poland	2250	8566	0	179	179	1597	8568	0	147	138
Portugal	0	4398	0	0	0	0	5176	0	0	1
Republic of Macedonia	0	52	0	18	0	0	34	200	45	14
Republic of Moldova	0	200	0	0	0	0	184	0	0	1
Romania	124	141	668	25	0	124	137	1019	4	747
Serbia	0	175	0	557	0	0	173	0	479	167
Slovak Republic	2593	1246	0	433	140	2636	1530	0	675	218
Slovenia	0	23	389	153	30	0	24	492	112	30
Spain	2528	11135	0	0	190	2260	20154	0	0	168
Sweden	1173	1366	0	0	98	1016	1265	0	0	92
Switzerland	0	144	0	64	19	0	141	0	53	21
Turkey	5988	21759	61	0	186	5454	23741	0	0	378
United Kingdom	6246	43156	0	0	819	5071	39745	0	0	192
Others Europe	0	813	0	0	1	0	732	0	2	421
Europe	**49309**	**207773**	**1932**	**2109**	**9643**	**49716**	**212228**	**2522**	**2269**	**9789**

Contd……

Table-10.6: Import of Coal and Coke by Major Coal Importing Countries during 2012 & 2013

(Quantity in Thousand Tonnes)

Country	2013					2012				
	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Brown Coal & Peat	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Russian Federation	1846	22899	0	1529	0	1903	26699	0	1673	563
Ukraine	11642	4088	0	0	0	11654	3110	0	0	501
Kyrgyzstan	0	1270	0	0	0	0	1399	0	21	0
Kazakhstan	0	304	0	0	0	0	206	0	7	918
Estonia		59					82			
Uzbekistan	0	0	0	130	0	0	0	0	130	0
Georgia	0	7	0	0	0	0	4	0	0	0
Tajikistan	0	0	0	0	0	0	24	0	0	0
Ertswhile Soviet Union	**13488**	**28627**	**0**	**1659**	**0**	**13557**	**31524**	**0**	**1831**	**1982**
Egypt	375	0	0	0	0	905	0	0	0	26
Ethiopia		198					315			
Ghana		40								
Islamic Republic of Iran	0	42	0	0	0	0	91	0	0	890
Israel	0	12000	130	0	0	0	13816	154	0	0
Jordan		204								
Kenya	0	350	0	0	0	0	343	0	0	0
Lebanon	0	244	0	0	0	0	250	0	0	0
Morocco	0	4511	0	0	0	0	4677	0	0	0
Namibia	0	28	0	0	0	0	10	0	0	0
Senegal	0	360	0	0	0	0	349	0	0	0
South Africa	3519	0	0	0	0	2591	0	0	0	0
Trinidad andTobago		244								
United Arab Emirates	0	2438	56	0	0	0	2692	58	0	0
Zimbabwe	0	0	0	0	0	0	52	0	0	0
Other Africa	0	1055	0	0	0	0	938	0	0	0
Africa & Middle East	**3894**	**21714**	**186**	**0**	**0**	**3496**	**23533**	**212**	**0**	**916**
Australia	0	0	0	0	41	0	0	0	0	37
Bangladesh	0	1000	0	0	0	0	1000	0	0	0
Cambodia		129	193	0	0	0	0	21	0	0
Chinese Taipei	6554	50891	10592	0	0	5519	43025	16085	0	235
DPR of Korea	0	216	0	0	0	0	821	0	0	200
Hong Kong (China)	0	13840	0	0	0	0	12351	0	0	0
India	37711	55156	87079	0	0	34570	48779	80032	0	3081
Indonesia	0	0	0	0	0	78	0	0	0	0
Japan	53838	141751	0	0	2032	52198	131590	0	0	815
Korea	31041	93664	1804	0	364	31545	89889	2834	0	367
Malaysia	0	23064	0	0	0	0	22558	0	0	0
Myanmar		45					8			
Nepal	0	800	0	0	0	0	698	0	0	0
New Zealand	0	189	0	0	0	1	22	138	0	0
Pakistan	250	3156	0	0	0	264	3446	0	0	0
People's Republic of China	77040	250144	0	0	0	53610	235176	0	0	76
Philippines	0	10474	3941	0	0	0	9409	2486	0	214
Singapore	77	422								11
Sri Lanka	0	1116	0	0	0	0	962	0	0	0
Thailand	0	17950	0	0	0	0	20103	0	0	36
Vietnam	0	1083	225	0	0	0	996	299	0	159
Yemen		445								
Other Asia	177	938	0	0	0	0	712	0	0	1
Asia Pacific	**206688**	**666473**	**103834**	**0**	**2437**	**177785**	**621545**	**101895**	**0**	**5232**
World	**290558**	**956047**	**115494**	**3903**	**12958**	**262332**	**918313**	**112885**	**4246**	**22078**

Source: International Energy Agency (IEA)

Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2012 & 2013

(Quantity in Thousand Tonnes)

Country	2013					2012				
	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)
United States of America	59583	35784	11338	34	762	63390	42498	8134	52	884
Canada	33098	3372	7	102	29	30725	3923	48	110	420
Mexico	5	0	0	0	1	216	0	0	0	0
N.America	**92686**	**39156**	**11345**	**136**	**792**	**94331**	**46421**	**8182**	**162**	**1304**
Colombia	1387	72912	0	0	0	1555	81740	0	0	1784
Venezuela	0	2027	0	0	0	0	911	0	0	0
Peru	0	45	0	0	0	0	127	0	0	40
Argentina	0	5	0	0	0	0	78	0	0	467
C & S America	**1387**	**74989**	**0**	**0**	**0**	**1555**	**82856**	**0**	**0**	**2291**
Poland	2253	8582	0	218	6589	1587	5483	0	138	6391
Czech Republic	2146	2679	0	1196	448	2946	2104	0	1203	471
Netherlands	0	10815	0	1	331	24	13698	0	0	5
Spain	0	708	0	0	168	15	1861	0	0	461
Norway	0	2068	0	0	1	0	1273	0	0	2
United Kingdom	9	585	0	0	87	13	475	0	0	520
Belgium	23	570	0	0	353	0	627	0	8	599
Germany	6	239	0	179	302	6	341	0	276	218
Hungary	0	0	11	223	495	0	0	4	71	309
Bosnia and Herzegovina	0	0	0	0	0	5	0	418	91	199
Italy	0	2	0	0	281	0	58	0	0	254
Slovak Republic	0	0	0	0	56	0	0	0	0	46
Portugal	0	152	0	0	0	0	141	0	0	0
France	30	4	0	0	68	152	25	0	0	72
Bulgaria	0	130	0	84	0	0	44	0	91	0
New Zealand	2096	0	0	0	0	2211	0	0	0	0
Estonia	0	0	0	0	20	0	1	0	17	23
Finland	5	0	0	0	66	0	0	0	0	46
Sweden	0	1	0	0	26	0	1	0	0	22
Ireland	0	13	0	0	0	0	12	0	0	0
Austria	0	1	0	0	0	0	2	0	0	6
Slovenia	0	7	0	0	0	0	1	0	0	0
Romania	0	0	0	0	0	6	2	12	5	0
Croatia	0	11	0	0	0	0	0	0	0	1
Latvia	0	8	0	0	0	0	6	0	13	0
Lithuania	0	34	0	0	0	0	23	0	13	0
Others Europe		212		41	6	6	39	3	13	562
Europe	**6568**	**26821**	**11**	**1942**	**9297**	**6971**	**26217**	**437**	**1939**	**10207**

Contd……

Table 10.7 : Export of Coal and Coke by Major Exporting Countries during 2012 & 2013

(Quantity in Thousand Tonnes)

Country	2013					2012				
	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)
Russian Federation	21529	117451	0	1775	0	17732	112536	0	1471	2355
Kazakhstan	273	32267	0	163	0	303	30019	0	2339	27
Ukraine	426	5207	0	0	0	189	5925	0	50	2577
Kyrgyzstan	0	143	0	0	0	0	0	0	15	0
Uzbekistan				39						
Ertswhile Soviet Union	**22228**	**155068**	**0**	**1977**	**0**	**18224**	**148480**	**0**	**3875**	**4959**
South Africa	607	71775	0	0	0	707	75302	0	0	0
Islamic Republic of Iran	145	0	0	0	0	297	36	0	0	2
Mozambique	3500	364	0	0	0	2957	0	0	0	0
Egypt	0	0	0	0	0	0	0	0	0	266
Zimbabwe	0	0	0	0	0	0	0	0	0	201
Other Africa	0	289	0	0	0	0	541	0	0	0
Africa & Middle East	**4252**	**72428**	**0**	**0**	**0**	**3961**	**75879**	**0**	**0**	**469**
Indonesia	2796	266532	156783	0	0	3087	242113	142194	0	0
Australia	154193	182109	0	0	968	142363	159158	0	0	0
Vietnam	0	12008	0	0	0	0	15216	2	0	144
Mongolia	15441	1882	0	165	0	21838	2522	0	368	0
People's Republic of China	1110	6202	0	0	0	1308	10446	0	0	40
Philippines	0	0	3401	0	0	0	13	3173	0	0
India	0	1480	0	0	0	56	2837	0	69	1201
DPR of Korea	0	16703	0	0	0	0	12011	0	0	0
Japan	0	2	0	0	1181	0	3	0	0	1476
Malaysia	0	472	0	0	0	0	370	0	0	0
Chinese Taipei	0	0	0	0	0	0	0	0	0	114
Other Asia	28	92	338	573	0	0	70	0	486	0
Asia Pacific	**173568**	**487482**	**160522**	**738**	**2149**	**168652**	**444759**	**145369**	**923**	**2975**
World	**300689**	**855944**	**171878**	**4793**	**12238**	**293694**	**824612**	**153988**	**6899**	**22205**

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 (Table11.1), Number of Mines-State-wise (Table11.2), Number of Mines-Sector-wise (Table11.3), Number of Mines-Captive/Non Captive (Table11.4), Number of Mines-Public/ Private, Captive/Non Captive (Table11.5), Number of Working Coal Mines (Table11.6), Number of working Lignite Mines (Table11.7), Number of Mines - State-wise, Public/private, Captive/Non captive (Table11.8), and Number of Lignite Mines- State-wise, Public/private, Captive/Non captive (Table11.9) as on 31/03/2014.

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 31.03.2014, the total number of operating coal mines was reported to be 536. The state-wise distribution of these coal mines is given in statement 11.1.

Statement 11.1: state-wise distribution of coal mines as on 31.03.2014

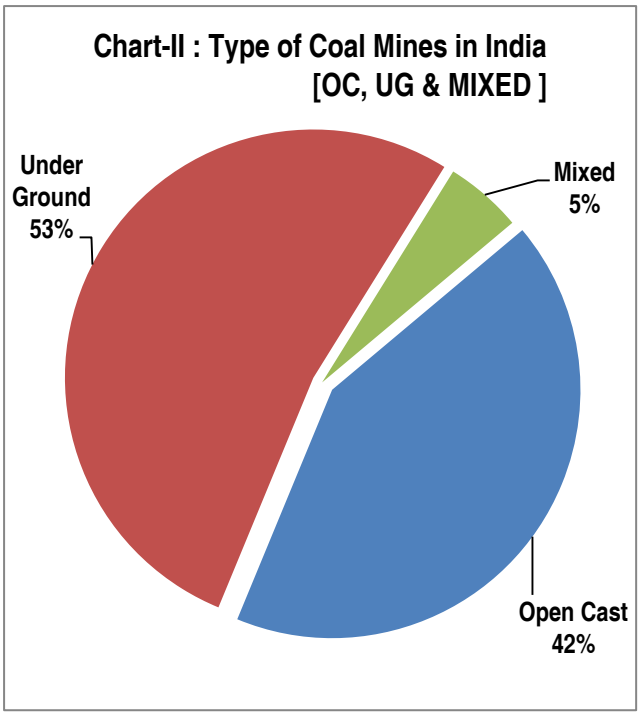
State	No. of coal mines		
	Captive	Non-Captive	Total
Andhra Pradesh	0	49	**49**
Arunachal Pradesh	1	0	**1**
Assam	0	4	**4**
Chhattisgarh	9	52	**61**
Jammu & Kashmir	0	4	**4**
Jharkhand	5	147	**152**
Madhya Pradesh	5	66	**71**
Maharashtra	10	53	**63**
Meghalaya	0	0	**0**
Odisha	1	26	**27**
Uttar Pradesh	0	4	**4**
West Bengal	9	91	**100**
All India	**40**	**496**	**536**

11.3 As on 31.03.2014, 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	2	5	**7**
Rajasthan	2	4	**6**
Tamilnadu	3		**3**
All India	**7**	**9**	**16**

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.



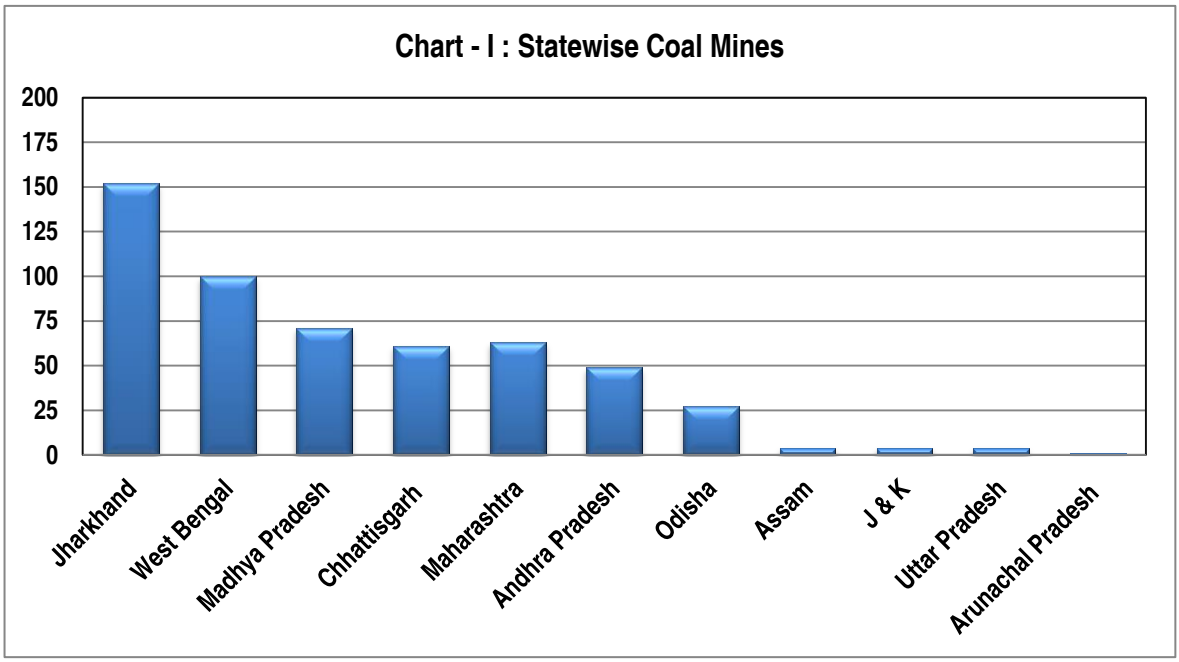


Chart - I : Statewise Coal Mines
200
175
150
125
100
75
50
25
0
Jharkhand
West Bengal
Madhya Pradesh
Chhattisgarh
Maharashtra
Andhra Pradesh
Odisha
Assam
J & K
Uttar Pradesh
Arunachal Pradesh

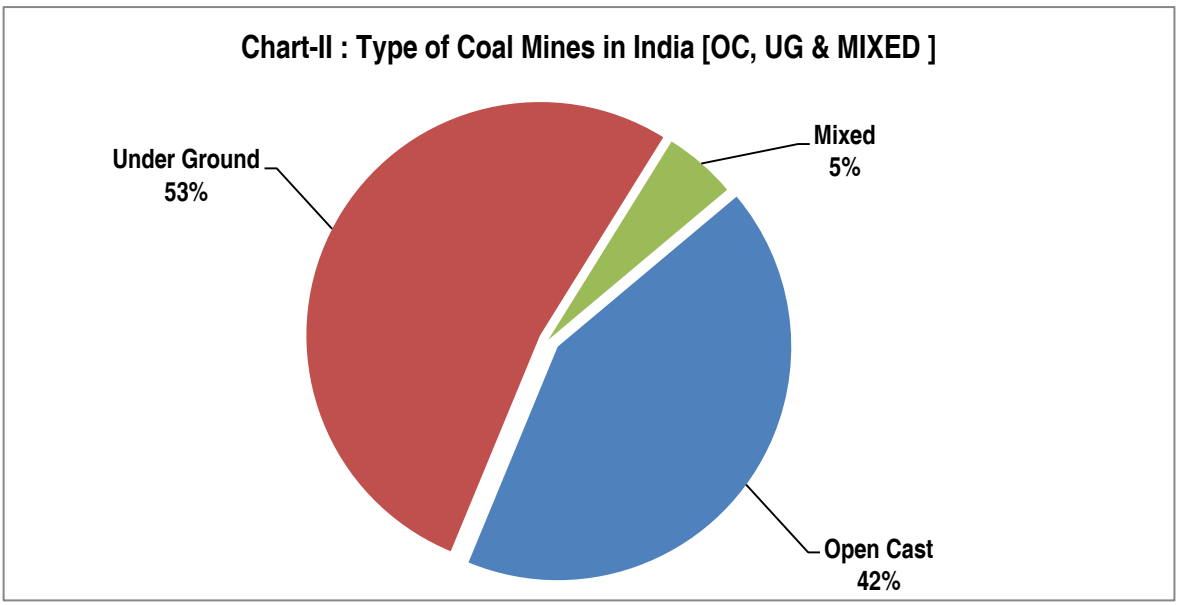


Chart-II : Type of Coal Mines in India [OC, UG & MIXED]
Under Ground
53%
Mixed
5%
Open Cast
42%

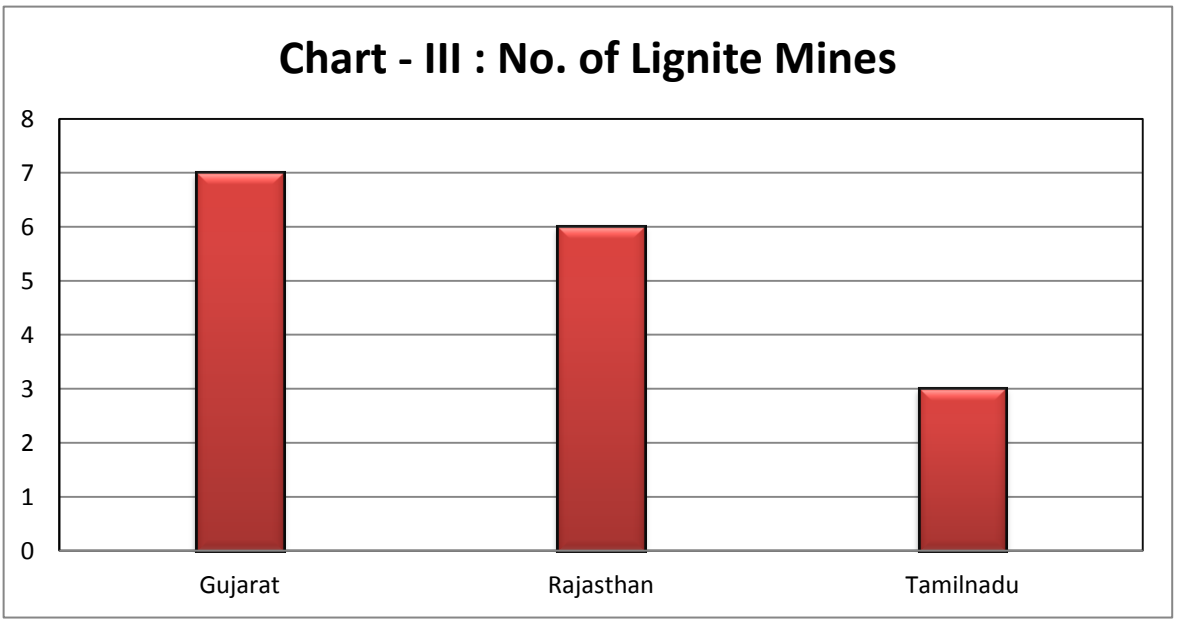


Chart - III : No. of Lignite Mines
8
7
6
5
4
3
2
1
0
Gujarat
Rajasthan
Tamilnadu

Table 11.1: Number of Coal & Lignite Mines -Companywise as on 31/03/2014

Coal / Lignite	Company	Number of Mines			
		OC	UG	Mixed	**Total**
(1)	(2)	(3)	(4)	(5)	**(6)**
Coal	ECL	19	80	5	**104**
	BCCL	14	19	20	**53**
	CCL	45	22	0	**67**
	NCL	10	0	0	**10**
	WCL	38	41	0	**79**
	SECL	21	64	1	**86**
	MCL	16	10	0	**26**
	NEC	3	1	0	**4**
	CIL	**166**	**237**	**26**	**429**
	SCCL	16	33	0	**49**
	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**
	WBPDCL	6	0	0	**6**
	PSEB-PANEM	1	0	0	**1**
	KECML	6	0	0	**6**
	MPSMCL	1	0	0	**1**
	PUBLIC	**205**	**276**	**27**	**508**
	TISCO	3	5	0	**8**
	ICML	1	0	0	**1**
	JSPL	1	0	0	**1**
	HIL	1	0	0	**1**
	MIEL	0	1	0	**1**
	BLA	2	0	0	**2**
	PIL	1	0	0	**1**
	JNL	1	0	0	**1**
	JPL	2	0	0	**2**
	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**
	TUML-SVSL	2	0	0	**2**
	SPL	2	0	0	**2**
	SOVA	1	0	0	**1**
	PRIVATE	**22**	**6**	**0**	**28**
	Total	**227**	**282**	**27**	**536**
Lignite	NLCL	4			**4**
	GMDCL	5			**5**
	GIPCL	1			**1**
	GHCL	1			**1**
	RSMML	3			**3**
	VSLPPL	1			**1**
	BLMCL	1			**1**
	Total	**16**			**16**

Table 11.2: Number of Coal & Lignite Mines -Statewise as on 31.03.2014

Coal / Lignite	States	Number of Mines			
		OC	UG	Mixed	**Total**
(1)	(2)	(3)	(4)	(5)	**(6)**
Coal	Andhra Pradesh	16	33	0	**49**
	Arunachal Pradesh	1	0	0	**1**
	Assam	3	1	0	**4**
	Chhattisgarh	23	37	1	**61**
	J & K	0	4	0	**4**
	Jharkhand	74	56	22	**152**
	Madhya Pradesh	24	47	0	**71**
	Maharashtra	41	22	0	**63**
	Odisha	17	10	0	**27**
	Uttar Pradesh	4	0	0	**4**
	West Bengal	24	72	4	**100**
	Meghalaya	0	0	0	**0**
	All India	**227**	**282**	**27**	**536**
Lignite	Gujarat	7			**7**
	Tamilnadu	3			**3**
	Rajasthan	6			**6**
	All India	**16**			**16**

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

Table 11.3: Number of Mines -Sectorwise as on 31/03/2014

Type	Sector	Number of Mines			
		OC	UG	Mixed	**Total**
(1)	(2)	(3)	(4)	(5)	**(6)**
COAL :	Public	205	276	27	**508**
	Private	22	6	0	**28**
	Total	**227**	**282**	**27**	**536**
LIGNITE :	Public	15			**15**
	Private	1			**1**
	Total	**16**			**16**

Table 11.4: Number of Mines -Captive/Non Captive as on 31/03/2014

Type	Sector	Number of Mines			
		OC	UG	Mixed	**Total**
(1)	(2)	(3)	(4)	(5)	**(6)**
COAL :	Captive	39	1	0	**40**
	Non Captive	188	281	27	**496**
	Total	**227**	**282**	**27**	**536**
LIGNITE :	Captive	7			**7**
	Non Captive	9			**9**
	Total	**16**			**16**

Table 11.5: Number of Mines -Public/Private, Captive/Non Captive as on 31/03/2014

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	185	276	27	**488**
	Private Captive	19	1	0	**20**
	Private Non-Captive	3	5	0	**8**
	Total	**227**	**282**	**27**	**536**
LIGNITE :	Public Captive	6			**6**
	Public Non-Captive	9			**9**
	Private Captive	1			**1**
	Private Non-Captive	0			**0**
	Total	**16**			**16**

Table 11.6: Number of Working Coal Mines as on 31/03/2014 (including non-producing but not yet closed and under construction mines)

Company	Andhra Pradesh			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)	(1)	(2)	(3)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
ECL			0						0				0			0	6	9	1	16				0
BCCL			0						0				0			0	13	19	20	52				0
CCL			0						0				0			0	45	22		67				0
NCL			0						0				0			0				0	6			6
WCL			0						0							0				0	7	19		26
SECL			0						0	15	36	1	52			0				0	6	28		34
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**	**64**	**50**	**21**	**135**	**19**	**47**	**0**	**66**
SCCL	16	33	49			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
WBPDCL			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**	**33**	**49**	**1**	**0**	**1**	**3**	**1**	**4**	**17**	**36**	**1**	**54**	**0**	**4**	**4**	**69**	**51**	**22**	**142**	**20**	**47**	**0**	**67**
TISCO			0			0			0				0			0	3	5		8				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**	**33**	**49**	**1**	**0**	**1**	**3**	**1**	**4**	**23**	**37**	**1**	**61**	**0**	**4**	**4**	**74**	**56**	**22**	**152**	**24**	**47**	**0**	**71**

Contd…

Table 11.6: Number of Working Coal Mines as on 31/03/2014 (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	UG	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	71	4	88		0	**19**	**80**	**5**	**104**
BCCL				0			0		0	1			1		0	**14**	**19**	**20**	**53**
CCL				0			0		0				0		0	**45**	**22**	**0**	**67**
NCL				0			0	4	4				0		0	**10**	**0**	**0**	**10**
WCL	31	22		53			0		0				0		0	**38**	**41**	**0**	**79**
SECL				0			0		0				0		0	**21**	**64**	**1**	**86**
MCL				0	16	10	26		0				0		0	**16**	**10**	**0**	**26**
NEC				0			0		0				0		0	**3**	**1**	**0**	**4**
CIL	**31**	**22**	**0**	**53**	**16**	**10**	**26**	**4**	**4**	**14**	**71**	**4**	**89**	**0**	**0**	**166**	**237**	**26**	**429**
SCCL				0			0		0				0		0	**16**	**33**	**0**	**49**
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**
WBPDCL				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	**37**	**22**	**0**	**59**	**16**	**10**	**26**	**4**	**4**	**22**	**72**	**4**	**98**	**0**	**0**	**205**	**276**	**27**	**508**
TISCO				0			0		0				0		0	**3**	**5**	**0**	**8**
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**
PUBLIC	**4**	**0**	**0**	**4**	**1**	**0**	**1**	**0**	**0**	**2**	**0**	**0**	**2**	**0**	**0**	**22**	**6**	**0**	**28**
Total	**41**	**22**	**0**	**63**	**17**	**10**	**27**	**4**	**4**	**24**	**72**	**4**	**100**	**0**	**0**	**227**	**282**	**27**	**536**

Table 11.7: Number of Working Lignite Mines as on 31/03/2014

Company	Captive	Public	GUJARAT			TAMILNADU			RAJASTHAN			**All India**		
	Non-Captive	Private	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	Captive	Public			0	3		3	1		1	**4**		**4**
GMDCL	Non-Captive	Public	5		5			0			0	**5**		**5**
GIPCL	Captive	Public	1		1			0			0	**1**		**1**
GHCL	Captive	Private	1		1			0			0	**1**		**1**
RSMML	Non-Captive	Public			0			0	3		3	**3**		**3**
VSLPPL	Non-Captive	Public			0			0	1		1	**1**		**1**
BLMCL	Captive	Public							1		1	**1**		**1**
TOTAL			**7**	**0**	**7**	**3**	**0**	**3**	**6**	**0**	**6**	**16**	**0**	**16**

TABLE 11.8: NO. OF COAL MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE AS WELL AS STATE-WISE BREAKUP as on 31/03/2014

State	Captive	Non-Captive	**Total**	Public	Private	**Total**
Andhra Pradesh	0	49	**49**	49	0	**49**
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	66	**71**	67	4	**71**
Maharashtra	10	53	**63**	59	4	**63**
Meghalaya	0	0	**0**	0	0	**0**
Odisha	1	26	**27**	26	1	**27**
Uttar Pradesh	0	4	**4**	4	0	**4**
West Bengal	9	91	**100**	98	2	**100**
All India	**40**	**496**	**536**	**508**	**28**	**536**

TABLE 11.9: NO. OF LIGNITE MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE AS WELL AS STATE-WISE BREAK UP as on 31/03/2014

State	Captive	Non-Captive	**Total**	Public	Private	**Total**
Gujarat	2	5	**7**	6	1	**7**
Rajasthan	2	4	**6**	6		**6**
Tamilnadu	3		**3**	3		**3**
All India	**7**	**9**	**16**	**15**	**1**	**16**

Annexure-I

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 01-04-2014 is 576 Million Tonnes (out of which 89 million tonnes is proved). The quantity of coal produced in the state during the previous 19 years is given below.

(Quantity in Million Tonnes)

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

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**
2004-05	3.611	1.101	0.633	**5.345**
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**

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 2013-14

(Quantity in Million Tonnes)

Month	**Production**
April'13	0.820
May'13	0.594
June'13	0.294
July'13	0.183
August'13	0.194
September'13	0.283
October'13	0.282
November'13	0.467
December'13	0.644
January'14	0.719
February'14	0.538
March'14	0.714
Total	**5.732**

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 Viddyut Unnayan Nigam Limited - Public - Captive
WBMDTCL	West Bengal Mineral Deveplopment and Trading Corpopration 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 & Minarals Limited - Private - Captive
BSIL	B. S. Ispat Limited - Private - Captive
TUML	Topworth Urja and Minerals Limited - Private - Captive
SPL	Sasan Power Limted - Private - Captive
SOVA	Sova Ispat Limited - Private - Captive
GVK	GVK Power (Goindwal Sahib) 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 - Non Captive
GHCL	Gujarat Heavy Chemical Limited - Private - Captive
RSMML	Rajasthan State Mines and Mineral Limited - Public - Non Captive
VS LIGNITE	V. S Lignite Power Limited - Private - Captive
BLMCL	Barmer Lignite Mining Company Limited - Private - Captive

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