

कोल डाईरेक्टरी ऑफ इंडिया Coal Directory of India



2010-11

भाग-1 : कोयला सांख्यिकी

Part I: Coal Statistics

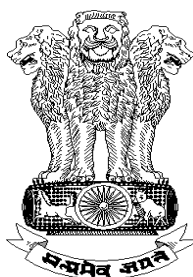


भारत सरकार
कोयला मंत्रालय
कोयला नियंत्रक का कार्यालय
कोलकाता

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

COAL DIRECTORY OF INDIA 2010 – 2011

(Part-I : Coal Statistics)



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

COAL DIRECTORY OF INDIA 2010-11

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FOREWORD

Coal, a fossil fuel, is the largest source of energy, primarily used to produce electricity and heat energy 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 technologies that could potentially limit escalation of oil prices and mitigate the effects of transportation energy shortage that will occur with oil price volatility.

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 and thinkers etc. through its publications namely 'The Coal Directory of India' and 'Provisional Coal Statistics'. Coal Directory of India is being published in two parts. Part I 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, despatches, 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. In this publication switch over from existing UHV based system of grading to fully variable GCV based system have been included.


The data presented in this Directory are collected from different coal/lignite companies under the statutory power vested with the Coal Controller under the provisions of Colliery Control Rules, 2004 and the Collection of Statistics Act, 2008.

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 Organization (CSO), Central Electricity Authority, and Cement Manufacturer's Association for providing useful information so as to make the Coal Directory of India 2010-11 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 to improve both content and presentation are most welcome.

Kolkata,
February, 2012


(A. Acharya)
Coal Controller.

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Section -I

Overall Coal Scenario: A Review

Introduction

Coal is a combustible, sedimentary, organic rock, which is composed mainly of carbon, hydrogen and oxygen. It is formed from vegetation, which has been consolidated between other rock strata and altered by the combined effects of pressure and heat over millions of years to form coal seams. Coal is a fossil fuel and is far more plentiful than oil or gas, with around 118 years of coal remaining worldwide.

(World Coal Association)

Perhaps time's definition of coal is diamond.

Khalil Gibran (Lebanese American author)

Indian coal was categorised on the basis UHV in case of non coking (steam) coal (till 31.1.2011) and on the basis of ash contents in case of coking coal as follows:-

CATEGORISATION OF COAL & COKE

Serial	Class	Grade	Grade specification	Equivalent GCV (kcal/kg) (approx.)
(1)	Non-coking coal produced in all States other than Arunachal Pradesh, Meghalaya & Nagaland	A	UHV.> 6200 kCal/Kg	GCV > 6401
		B	6200 >=UHV(KCal/Kg)>5600	6400 > GCV > 5801
		C	5600 >=UHV(KCal/Kg)>4940	5800 > GCV > 5401
		D	4940 >=UHV(KCal/Kg)>4200	5400 > GCV > 4801
		E	4200 >=UHV(KCal/Kg)>3360	4800 > GCV > 4201
		F	3360 >=UHV(KCal/Kg)>2400	4200 > GCV > 3601
		G	2400 >=UHV(KCal/Kg)>1300	3600 > GCV > 3200
(2)	Non-coking coal produced in the States of Arunachal Pradesh, Meghalaya & Nagaland	Not graded		
(3)	Coking Coal	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%	
(4)	Semi-Coking and Weakly Coking Coal	Semi coking Gr I	Ash + moisture content < 19%	
		Semi coking Gr II	19% <= Ash+moisture content < 24%	

- Coking Coals are such coals as have been classified as coking coals by the erstwhile Coal Board under the Coal Mines (Conservation, Safety and development) Act, 1952 (12 of 1952) (since repealed) or such coals as have been declared or may be declared as coking coal by the Central Government Under the Colliery Control Order, 1945 or the Coal Mines (Conservation and Development) Act, 1974 (28 of 1974) and the rules made under both the aforesaid Acts.
- Semi-coking coals and weakly coking coals are such coals as were classified as "Blendable coals" by the erstwhile Coal Board under the Coal Mines (Conservation, and Development) Act, 1952 (12 of 1952) (since repealed) or as may be declared as 'semi coking' or 'weakly coking' coals by the Central Government Colliery Control Order, 1945 or the Coal Mines (Conservation & Dev.) Act, 1974 (28 of 1974) and the rules made under both as classified Acts.
- Coals other than coking or semi-coking or weakly coking coal are non-coking coals.
- "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 (%)
 - 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.
 - Both moisture and ash shall be determined after equilibrating at 60 percent relative humidity and 40 degree C temperature as per relevant clauses of Indian Standard Specification No. IS 1350 -1959.
- 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.

5. Since January, 2011, Ministry of Coal vide notification 22021/1/2008-CRC-II (dated 16/1/2011) prescribed switch over from existing Useful Heat Value (UHV) based system of grading and pricing of non-coking coal produced in India to fully variable Gross Calorific Value (GCV) system. As per the new system, following nomenclature is proposed for gradation of non-coking coal is proposed:-

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

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

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

Coal Sector: Indian Context

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

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

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 in some form or other, regulations and control of the coal industry in India. All these were directed towards state ownership of the mines of the industry. It is the Singareni Collieries Company Ltd. in 1945 that has the distinction of being the first Government owned Coal Company in the country. In that year, Government of Nizam of Hyderabad bought all the shares of the company and brought the company under India Trust Fund of the Nizam Government. The said company actually started production in 1889 at Yellandu area of present Andhra Pradesh and sixty thousand tonnes of coal was raised in that year.

After independence in 1947, the country embarked upon Five year National Plans to improve the economic lot of the people. Industry policy was passed first in 1948 which was modified later by Industry Policy of 1956.

This gave a concrete shape to the mixed economy concept in which both public and private sectors participated.

In 1956, National Coal Development Corporation (NCDC) came into existence in the public sector with the coal mines of the State Railways as 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. The Central Government took decision to bring the coal mines under the State Control.

Nationalisation of Coal Mines.

Coal mines in India were nationalised in 1972-73 with the objectives of reorganising and re structuring of coal mines in the back drop of the then existing unsatisfactory mining conditions, violation of mine safety laws, industrial unrest, failure to make investments in mine development, reluctance to mechanise etc. and in order to meet the long range coal requirements of the country.

The Central Government promulgated the Coking Coal Mines (Emergency Provisions) Act, 1971 on 16.10.1971 and the management of all 226 coking coal mines except captive mines of IISCO, TISCO and DVC, were taken over by the Government. Bharat Coking Coal Ltd (BCCL), a subsidiary company under SAIL, was formed to look after those mines. The mines were nationalised with effect from 1.5.1972.

Further by promulgation of the Coal Mines (Taking over of Management) Ordinance, 1973 on 31.1.1973, the Central Govt. took over the management of all 711 non-coking collieries and in next phase of nationalisation, these mines were nationalised with effect from 1.5.73. A public sector company namely Coal Mines Authority Ltd. (CMAL), was formed to manage those non-coking coal mines.

Formation of CIL

BCCL, NCDC & CMAL later merged to constitute Coal India Ltd.(CIL) in 1975 having headquarters at Kolkata, as holding company having five subsidiary companies.

Sr No	Subsidiary Companies	Head Qtrs.	Jurisdiction
1.	Eastern Coalfield Ltd. (ECL),	Sanctoria, (West Bengal)	West Bengal, Jharkhand
2	Bharat Coking Coal Ltd. (BCCL),	Dhanbad (Jharkhand)	West Bengal, Jharkhand
3	Central Coalfields Ltd. (CCL)	Ranchi (Jharkhand)	Jharkhand, M. P, U. P.
4	Western Coalfields Ltd. (WCL)	Nagpur (Maharashtra)	Maharashtra, M.P, Orissa
5.	Central Mine Planning & Design Institute Ltd. (CMPDIL)	Ranchi (Jharkhand)	

Subsequently, two more subsidiaries viz. Northern Coalfields Ltd. (NCL) with headquarters at Singrauli (Madhya Pradesh) and South Eastern Coalfields Ltd. (SECL) with headquarters at Bilaspur (now in the state of Chhattisgarh) were carved out w.e.f 28.11.1985 of the then CCL and WCL respectively for proper management of the projected increase in production and investment planned.

Further, considering the prospects of Orissa Coalfields in VIII and IX plan, Mahanadi Coalfields Ltd.(MCL) with headquarters at Sambalpur (Orissa) was carved out of SECL on 3.4.92 to manage all the collieries in the state of Orissa.

Thus CIL has now 8 subsidiaries out of which CMPDIL is an engineering, design and exploration company for preparing perspective plans, rendering consultancy services and undertaking exploration and drilling work for establishing coal reserves in the country, collection of detailed data for formulation of project reports for actual mining. The other seven subsidiaries of CIL are coal-producing companies. CIL and its subsidiaries are incorporated under the Companies Act, 1956 and are wholly owned by the Central Government. The coal mines of Assam and its

neighbouring areas are controlled directly by CIL under the unit - North Eastern Coalfields.

SCCL is a JV of Government of Andhra Pradesh and Govt. of India having share in equity capital in the ratio of 51:49 respectively.

Captive Coal Mining

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 sector 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) etc. and Mineral Development Corporations of the State Governments.

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 was very insignificant in the recent past, has now started contributing faster. 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 to isolated small pockets only.

Special dispensations to set up associated coal companies by end-user parties offered captive coal blocks.

Though specified end user can itself mine coal from a captive coal block offered, considering lack of experience in coal mining

by some prospective allottees, Govt. has allowed following dispensations:-

(a) A company engaged in any of the approved end-uses can mine coal from a captive block through an associated coal company formed with the sole objective of mining coal and supplying the coal on exclusive basis from the captive coal block to the end-user company, provided the end-user company has at least 26% equity ownership in the associated coal company at all times.

(b) There can be a holding company with two subsidiaries i.e. (i) a company engaged in any of the approved end-uses and (ii) an associated coal company formed with the sole objective of mining coal and supplying the coal on exclusive basis from the captive coal block to the end-user company, provided the holding company has at least 26% equity ownership in both the end-user company and the associated coal company.

(c) Till 31st December 2009, 210 coal and 30 lignite blocks have been allocated (for details refer section IX) for captive purpose. Out of these, 23 coal blocks (15 collieries) started producing coal as on 31.12.2009. Coal production in 2008-09 from captive coal blocks grew by 41% over 2007-08 and have 6.1% of share to all India production in comparison to last years' 4.9%. For details please refer to section IX of this volume.

Distribution and Marketing of coal

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 builtin commercial discipline. Apart from meeting the requirement upto 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 tonne. E-auction scheme is reintroduced so as to cater to long

term need through e-auction. Salient features are:-

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.

Import of Coal

Present import policy allows coal to be freely imported under Open General License by the consumers themselves considering their

needs and exercising their own commercial prudence. 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.

Notified Price of Coal

Under the Colliery Control Order, 1945, the Central Govt. was empowered to fix the grade-wise and colliery-wise prices of coal. The same were last revised w.e.f. 17.6.94. Prices of different grades were started deregulated since 22.3.96 in phased manner as per recommendations of Bureau of Industrial Costs and Prices and the Committee on Integrated Coal Policy. The pricing of coal has been fully deregulated after the CCO, 2000 was notified on 1.1.2000 in supersession of CCO, 1945.

Highlights

- **Production**

- Production of raw coal increased by 0.1% (from 532.042 Mt. in 2009-10 to 532.694 Mt. in 2010-11) where as production of lignite has grown by 10.7% (from 34.071 Mt. in 2009-10 to 37.733 Mt. in 2010-11) during the same period.

- **Sector-wise Production of Raw Coal (in Mt.)**

Sector	Year 2010-11		
	Coking	Non-Coking	Total Coal
Public	42.510	442.551	485.061
Private	7.037	40.596	47.633
All India	49.547	483.147	532.694

- Coking coal production in 2010-11 was 49.547 (11.6% growth) Mt. whereas non-coking coal production was 483.147 Mt. (-0.9%) growth over 2009-10.
- Production of washed coking coal has a increase of 6.2% (6.955 Mt.) whereas production of middlings (coking) remained almost static (4.643 Mt.) over 2009-10.
- During 2010-11 Chhattisgarh has highest coal production of 113.825 Mt. (share 21.4%) followed by Jharkhand 108.949 Mt. (share 20.5%) and Orissa 102.5657Mt. (share 19.3%). Tamilnadu is largest producer of lignite 23.144 Mt.(share 61.3%).
- Coal India Ltd. and SCCL contributed for (431.321 Mt.) 81.0% and (51.333 Mt.) 9.6% of total coal production in 2010-11. Neyvali Lignite Corporation contributes more than (23.144 Mt.) 61% of total lignite production.
- Highest coking coal producing state of India is Jharkhand (48.945 Mt., 98.8%) whereas highest non-coking coal producing state is Chhattisgarh (113.661 Mt., 23.5%).
- Around 89.7% of coal production of India in 2010-11 is from open-cast mines (477.839 Mt.).
- Among big coal producers 23.9% coal production of ECL comes from underground mines and the ratio is 22.65% for SCCL.
- Overall stripping ratio for the year 2010-11 is 2.27 (Stripping ratio is defined as the ratio of Over Burden Removal to Coal produced in Open Cast mining.)
- Productivity (OMS) of underground mines for the year 2010-11 are 0.77 and 1.10 for CIL and SCCL respectively. OMS for opencast mines for CIL and SCCL are 10.06 and 11.98 respectively. (OMS is the output measured in tones per one unit of man-shift – calculated for academic interest only).

- **Despatch**

- During 2010-11, despatches of indigenous raw coal and lignite changed by 1.88% (from 513.792 Mt. to 523.465 Mt.) and 9.45% (from 34.430 Mt. to 37.685 Mt.) respectively. Despatches of solid fossil fuel increased by 2.36% (from 548.222 Mt. to 561.150 Mt.). Other salient points are:
 - Despatches of coking coal increased by 15.26% (from 42.469 Mt. in 2009-10 to 48.950 Mt. in 2010-11).
 - Metallurgical coal despatches changed marginally by 5.94% (from 15.17 Mt. in 2009-10 to 16.075 Mt. in 2010-11).
 - Despatches of non-coking coal grew by 9.35 % (from 471.32 Mt. in 2009-10 to 474.515 Mt. in 2010-11).
 - Despatches of washed coal (coking) increased by 5.15 % and middlings (coking) reduced by - 4.39 % during 2010-11 compared to last year.
 - Despatch of hard coke also has sharp decline by -13.53% in 2010-11 over 2009-10.

- Following table will depict sector-wise dispatch of coal in 2010-11

Despatches of Raw Coal (in Mt.)

Sector	Year 2010-11		
	Coking	Non-coking	Total
Public	41.925	434.135	476.060
Private	7.025	40.380	47.405
All India	48.950	474.515	523.465

- All coal producing states except Madhya Pradesh and Maharashtra has shown a positive growth in coal despatches resulting into a 1.88% growth in coal despatch across India.
- In terms of coal despatch, Chattisgarh has highest share (109.562 Mt., 20.9%) followed by Jharkhand (106.637 Mt., 20.37 %) and Orissa (104.359 Mt., 19.94%).
- In terms of lignite despatch, Tamilnadu has the largest share of 61.25% with Mt. 23.081 lignite despatch in 2010-11.
- CIL and SCCL are having 81% and 9.6% share respectively in overall coal despatch in 2010-11.
- Among other PSUs largest share in coal despatch are of IISCO and JSMDCL.
- Private sector accounts for 9.1% coal despatch in which PANEM has largest share of 1.6%.
- Powerhouses (Utility) continued to be the largest coal receiver. This sector received 353.918 Mt. in 2010-11 against 341.373 Mt. in 2009-10 and having a major share (67.5%) of total off-take.
- Cement sector received 15.079 Mt. in 2010-11 against 14.663 Mt. in 2009-10.
- Supply to Steel Sector in 2010-11 is 17.261 Mt..
- During the year 2010-11, share of raw coal despatches by rail and road were 45% and 28% respectively.

- **Pit Head Closing Stock**

- Pit-head Closing Stock of raw coal increased this year by 11.3% (72.192 Mt. in 2010-11 from 64.863 Mt. in 2009-10) and that of lignite increased by 7.96% (0.610 Mt. in 2010-11 from 0.565 Mt. in 2009-10).
- Pit-head closing stock of coking coal increased to 12.753 Mt. in 2010-11 from 11.264 Mt. in 2009-10.
- Pit-head closing stock of non-coking coal increased to 59.439 Mt. in 2010-11 from 53.599 Mt. in 2009-10.
 - Out of total closing stock, Public sector accounted for 99.1% in 2010-11.

- **Export & Import**

- Import of coking coal decreased to 19.484 Mt. in 2010-11 from 24.690 Mt. in 2009-2010 resulting into a decline of -21.08%. A nominal growth in import of non-coking coal was 1.79% (49.434 Mt.) and decline in coke import was -36.7% (1.490 Mt.) respectively.
- Main exporter of coal to India is Indonesia followed by Australia and South Africa.
- Coal is mainly imported through Paradip and Chennai sea ports.
- Export of coking and non-coking coal in 2010-11 were 0.111 Mt. and 4.298 Mt. respectively having decline of -143% and growth of 49.2% over last year. Overall growth in coal export is 44.3%. Coke export has a growth of 60%.
- Coal is mainly exported to China and Bangladesh. Main ports for coal exports are Panaji and Borsorah.

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

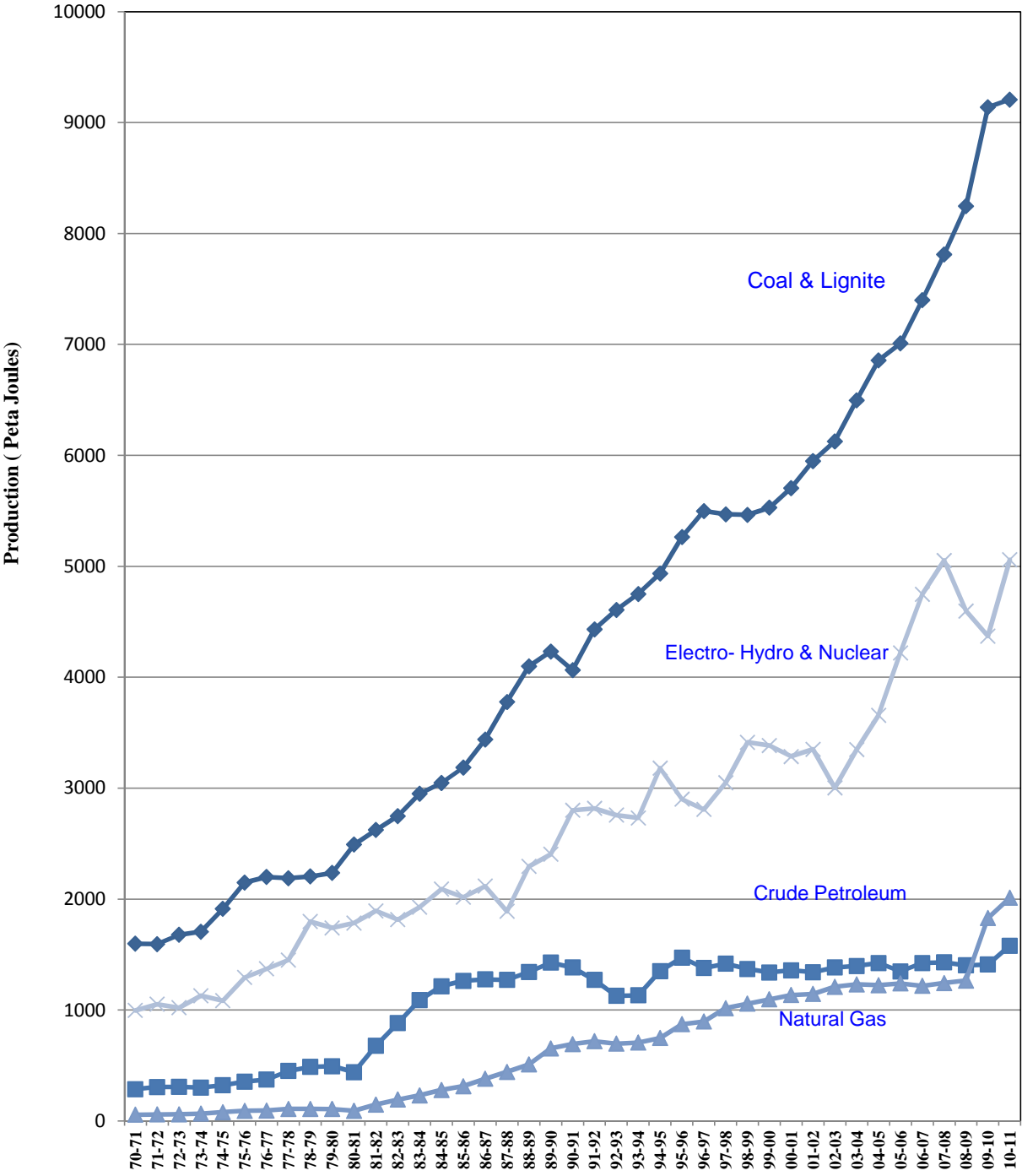


Table 1.1: INDIAN ECONOMY - SELECTED INDICATORS

Sl. No.	Indicator	Unit/base	2006-07	2007-08	2008-09	2009-10	2010-11
	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	1122	1138	1154	1170	1186
3.	Gross Domestic Product at factor cost :						
	(i) At current prices	Rs.Billion	42947R	49871R	56301R	64573R	76741Q
	(ii) At constant prices	"	35345R	45821R	53036R	60915R	71574Q
4.	Net National Income at factor cost :						
	(i) At current prices	Rs.Billion	38427R	44819R	50319R	57615R	68417Q
	(ii) At constant prices	"	35013R	40769R	47054R	53959R	63250Q
5.	Per Capita Net National Product :						
	(i) At current prices	Rupees	31206R	35825R	40775R	46117R	53331Q
6.	Foreign Exchange Reserves						
	(i) Gold	US \$ Million			9577	17986	22972
	(ii) SDR	Mn. Of SDR	2.0	18.0	1.0	5006	4569
	(iii) Foreign Exchange	US \$ Million			241426	254685	274330
7.	Foreign Trade :						
	(i) Import	Rs.Billion	8405.06	10123.12	13744.36	13564.7	16834.67
	(ii) Export	"	5717.79	6558.64	8407.55	8451.25	11426.49
	(iii) Balance of Trade	"	-2687.27	-3564.48	-5336.81	-5113.44	-5408.18
8.	Index of Production :						
	(i) Industrial	2004-05=100	122.6	141.7	145.2	152.9	165.5
9.	Wholesale Price Index :	2004-05=100	111.35	116.63	126.02	130.81	143.32
10.	Consumer Price Index:						
	(i) Industrial Workers #	2001=100	125	133	145	163	180
	(ii) Agricultural Labourers	July86- June87=100	392	423	462	530	577
	(iii) Urban non-manual workers	1984-85=100	498	528	561	634	
11.	Fuel (gross)						
	Coal	Mn.Tonne	430.85	457.08	492.76	532.042	532.694
	Lignite	"	31.13	33.98	32.42	34.071	37.733
	Natural Gas	Bn.Cub.Mtr.	31.747	32.417	32.849	47.51	52.221
	Crude Oil	Mn.Tonne	33.988	34.118	33.506	33.691	37.712
	Petroleum Products(Incl RBF)	"	148.27	158.74	164.59	163.505	164.85
12.	Electricity Generated (Gr.)						
	(i) Utilities						
	Hydel	B.KWH	113.5	120.4	110.1	106.7	114.3
	Thermal	"	538.4	585.3	616.1	671.0	704.3
	Nuclear	"	18.8	16.9	14.92	14.71	26.3
	Total	"	670.7	722.6	741.16	792.4	844.8
	(ii) Non-utilities	"	81.8	90.5	99.72	109.69	114.2
	Grand Total	"	752.5	813.1	840.9	902.0	959.1

: calender year basis, Q : Quick Estimates.

P: Provisional

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

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

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

Sl. No.	Item	Unit	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
	1	2	3	4	5	6	10	11
1	Reserves (Proved)							
	(i) Coking Coal	Mn.Tonne	16541	16949	17404	17545	17,669	17,669
	(ii) Non Coking	"	78858	81624	84425	88175	92,129	96,333
	(iii) Lignite	"	4476	4177	4824	5363	6146	6146
2	Consumption							
	(i) Coal	Mn.Tonne	395.587	419.800	453.491	549.567	620.389	589.874
	(ii) Lignite	"	30.339	30.797	34.657	31.846	33.733	37.688
	(iii) Coal Products*	"	40.930	40.478	41.825	42.878	44.441	42.069
3	Production :							
	(i) Coal	Mn.Tonne	407.039	430.832	457.082	492.757	532.042	532.694
	(ii) Lignite	"	30.066	31.285	33.980	32.421	34.071	37.733
	(iii) Coal Products*	"	42.653	41.013	41.825	41.908	41.964	40.244
4	Imports							
	(a) Qty : Coal	Mn.Tonne	38.586	43.081	49.794	59.003	73.255	68.918
	Coal Products	"	2.619	4.6869	4.248	1.881	2.355	1.490
	Total (a)	"	41.205	47.7679	54.042	60.884	75.610	70.408
	(b) Value: Coal	Rs.Million	149095	166886	207384	413408	391800	415496
	Coal Products	"	40211	40211	51231	46051	33311	31204
	Total (b)	"	189306	207097	258615	459459	425111	446699
5	Exports							
	(a) Qty : Coal	Mn.Tonne	1.989	1.554	1.627	1.655	2.454	4.409
	Coal Products	"	0.157	0.076	0.097	1.338	0.178	0.650
	Total (a)		2.146	1.630	1.724	2.994	2.632	5.059
	(b) Value: Coal	Rs.Million	2,673	3,137	2,768	3,485	5045	12641
	Coal Products	"	790	323	987	7,246	2264	9912
	Total (b)		3,463	3,460	3,755	10,731	7309	22554
6	Unit Value of coal imports (gr.)	Rs./Tonne	3864	3874	4165	7007	5348	6029
7	India's Total Exports	Rs.Million	4564180	5717790	6558635	8407551	8455336	11426490
8	India's Total Imports	Rs.Million	6604080	8405060	10123117	13744356	13637355	16834670
9	(i) Coal imports as percentage of India's total import	%	2.9	2.5	2.6	5.5	3.1	3.9
	(ii) Coal exports as percentage of India's total export		4.1	3.6	3.9	0.1	0.1	0.1

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

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

TABLE -1.3: 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	121393	4370	16747
10-11	570427	9207	37712	1579	52221	2012	140523	5059	17856

* 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 : 2001 to 2011 (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)
2001-02	Coal	327.787	20.548	1.903	18.645	21.432	18.124	3.308	349.740
	Lignite	24.813			0.000	0.498	0.742	-0.244	24.569
	Total	352.600	20.548	1.903	18.645	21.930	18.866	3.064	374.309
2002-03	Coal	341.272	23.260	1.517	21.743	18.124	19.394	-1.270	361.745
	Lignite	26.018			0.000	0.742	0.731	0.011	26.029
	Total	367.290	23.260	1.517	21.743	18.866	20.125	-1.259	387.774
2003-04	Coal	361.246	21.683	1.627	20.056	19.394	21.291	-1.897	379.405
	Lignite	27.958			0.000	0.731	0.212	0.519	28.477
	Total	389.204	21.683	1.627	20.056	20.125	21.503	-1.378	407.882
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

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

Section -II

Resources & Exploration

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.

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

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.

Indian lignite deposits are in the Tertiary sediments in the Southern & Western parts of the peninsular shield, particularly in Tamil Nadu, Pondichery, Gujarat, Rajasthan and Jammu & Kashmir and also in minor quantity in Kerala & West Bengal.

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 continuous basis under the funding from Ministry of Mines, Govt. of India. This effort is supplemented by Mineral Exploration Corporation (MECL), Geological Survey of India, Central Mine Planning and Design Institute (CMPDIL) through promotional regional exploration being funded separately by the Ministry of Coal since 1989.

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 allocated mainly under the supervision of CMPDIL.

Exploration Stage	Exploration Agencies
Regional (funded by Min. of Mines)	1.Geological Survey of India, 2.State Directorates of Geology & Mining,
Regional (Promotional-funded by Min. of Coal)	1.GSI, 2.MECL, 3.CMPDIL
Detailed	1.CMPDIL, 2.SCCL, 3.MECL, 4.NLC 5.State Directorates of Geology & Mining, 6. Private Agencies
Developmental	1. CIL Subsidiaries including CMPDIL 2.SCCL, 3.NLC 4. Private Parties/ Coal Mine Owners

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

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 coal quality.

Detailed data on Coal resources, up to a depth of 1200 meters as on 1st April 2010, by type of Coal, by different coal bearing States, field wise and by different grades of non coking etc. are provided in tables 2.1, 2.2, 2.3 and 2.4.

As per GSI compilation of resources data as on 1st April 2010, in situ geological resources of coal in India up to a depth of

1200 meters is 276.81 BT (proved, indicated and inferred) of which 27.8% and 23.95% are in the states of Jharkhand and Orissa respectively. Total coal resources, as on 1st April 2009 was 267.21 BT (comprising proved, indicated & inferred categories).

Further, out of these total resources as on 1st April 2010, only 109.798 BT is of proved category, 130.654 BT is of indicated category and remaining 36.359 BT is of inferred category.

While 4.614 billion tonnes of proved resources belong to prime coking category, other coking resources are 13.055 BT. Proved resources of non-coking coal increased from 88.175 BT as on 1st April 2009 to 92.129 BT as on 1st April 2010.

It may be mentioned that no substantial improvement in resource has been established in tertiary Coalfield during the last few years.

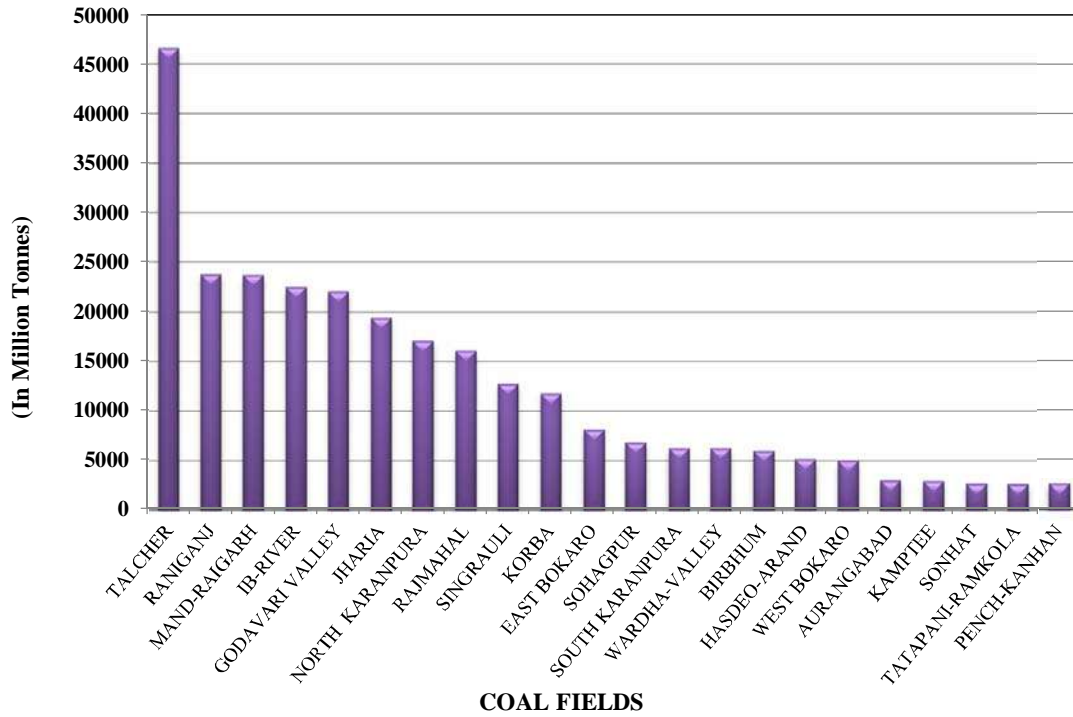
Neyveli Lignite Corporation (NLC) programmes, coordinates and reviews the regional exploration work concerning lignite resources. Detailed data on lignite resources are available in tables 2.5 & 2.6.

Total lignite resources in the country as on 1st April 2009 was 39.07 BT, which is further increased to 39.897 BT as on 1st April 2010. Out of the total lignite resources, Tamilnadu themselves account for 31.975 BT (80%) while Rajasthan accounts for 4.803 BT (12%).

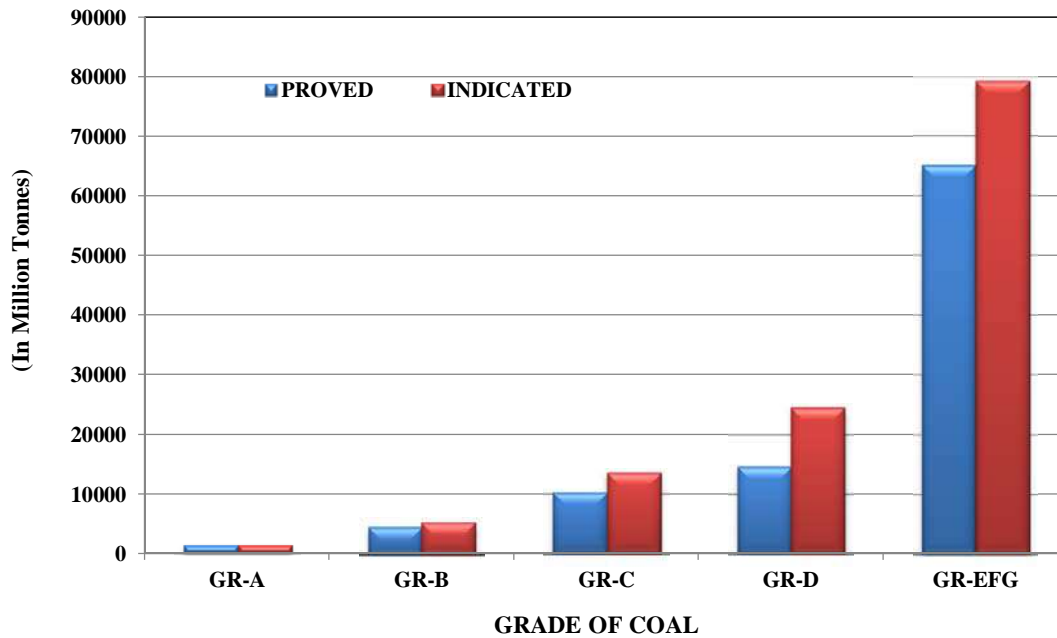
Information on agency wise and Coal Company command area wise promotional drilling and detailed drilling achievement during the IXth, Xth and XIth plan period are reported in tables 2.8 and table 2.9.

BT = Billion Tonnes

Ch. 2.1: GEOLOGICAL COAL RESERVE IN MAJOR INDIAN COALFIELDS AS ON 01/04/2011



Ch. 2.2: GRADEWISE GEOLOGICAL RESERVE OF NON-COKING COAL IN GONDAWANA COALFIELDS AS ON 01/04/2011



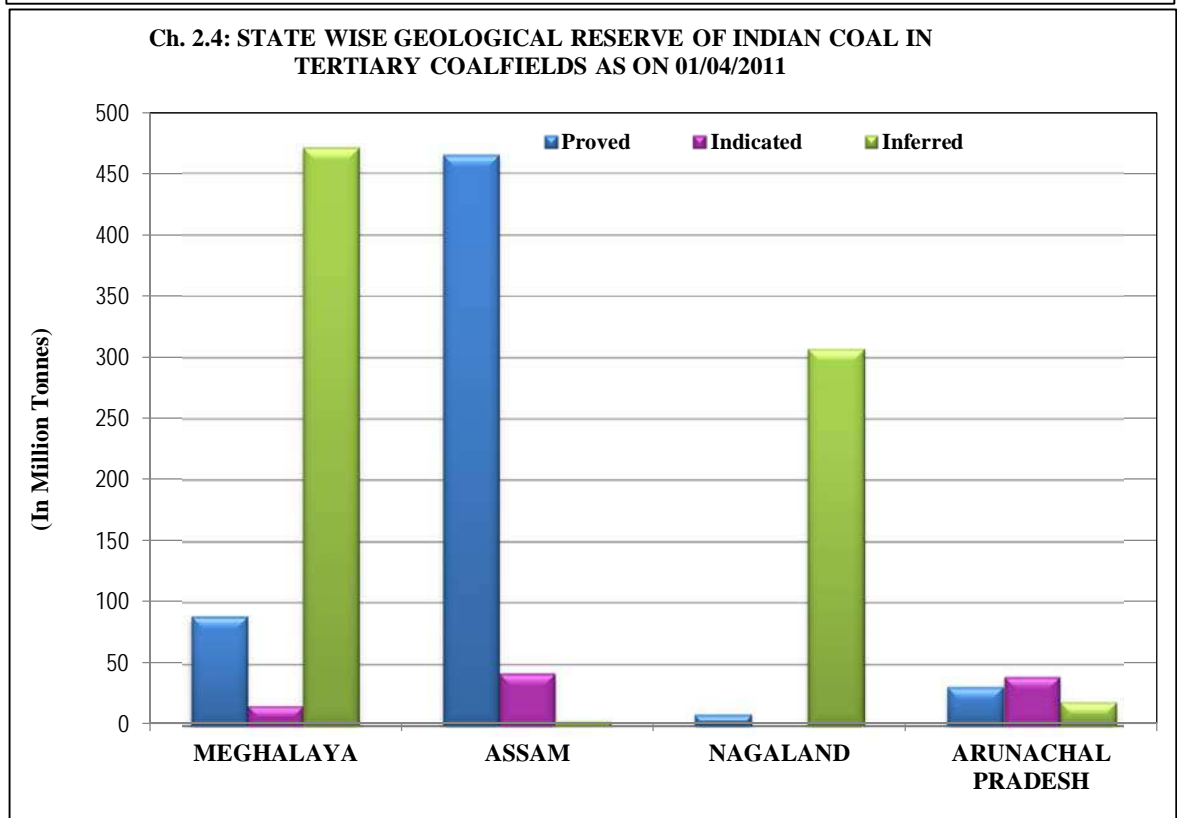
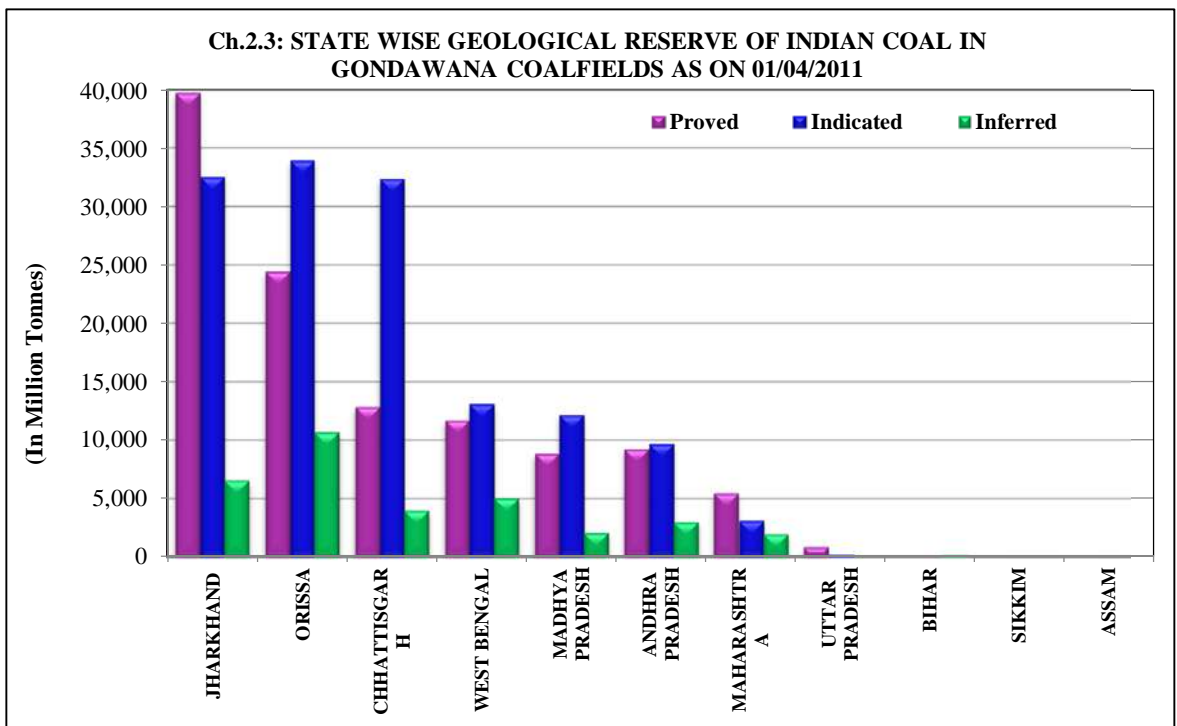
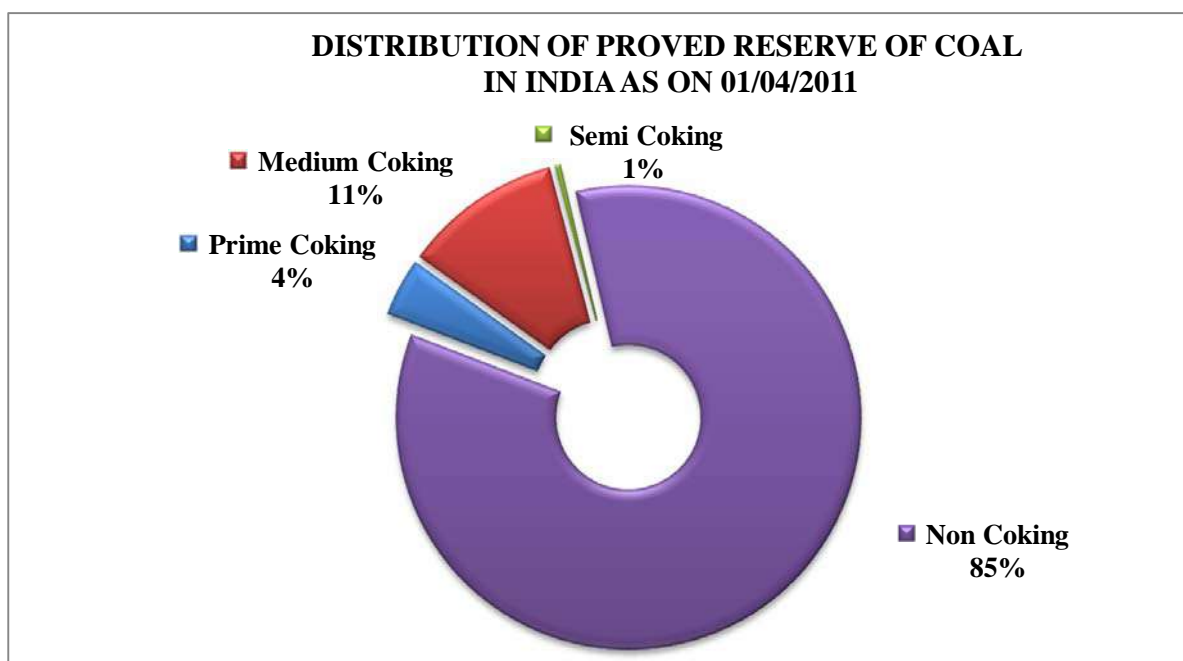


TABLE - 2.1: INVENTORY OF GEOLOGICAL RESERVE OF COAL BY TYPE AS ON 2009, 2010 & 2011 (1st APRIL)

Type of Coal (1)	As on (2)	Reserve (Mill.Tonnes)			
		Proved (3)	Indicated (4)	Inferred (5)	Total (6)
Prime Coking	01/04/2009	4,614	699	0	5,313
	01/04/2010	4,614	699	0	5,313
	01/04/2011	4,614	699	0	5,313
Medium Coking	01/04/2009	12,448	12,064	1,880	26,393
	01/04/2010	12,573	11,940	1,880	26,393
	01/04/2011	12,573	12,001	1,880	26,454
Blendable / Semi Coking	01/04/2009	482	1,003	222	1,707
	01/04/2010	482	1,003	222	1,707
	01/04/2011	482	1,003	222	1,707
Non Coking (Including High Sulphur)	01/04/2009	88,175	109,804	35,819	233,798
	01/04/2010	92,129	117,012	34,257	243,398
	01/04/2011	96,333	123,768	32,287	252,388
Total	01/04/2009 *	105,720	123,570	37,921	267,211
	01/04/2010 *	109,798	130,654	36,359	276,810
	01/04/2011 *	114,002	137,471	34,389	285,862



* Including Sikkim

Source: Geological Survey of India

TABLE - 2.2: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2009, 2010 & 2011

State	As on	Resources (Million Tonnes)				State	As on	Resources (Million Tonnes)			
		Proved	Indicated	Inferred	Total			Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(1)	(2)	(3)	(4)	(5)	(6)
GONDAWANA COALFIELDS						TERTIARY COAL FIELDS					
ASSAM	1/4/2009	0	3	0	3	ARUNACHAL	1/4/2009	31	40	19	90
	1/4/2010	0	3	0	3	PRADESH	1/4/2010	31	40	19	90
	1/4/2011	0	3	0	3		1/4/2011	31	40	19	90
ANDHRA PRADESH	1/4/2009	9,194	6,748	2,985	18,927	ASSAM	1/4/2009	349	33	3	385
	1/4/2010	9,257	9,730	3,029	22,016		1/4/2010	349	33	3	385
	1/4/2011	9,297	9,728	3,029	22,055		1/4/2011	465	43	3	511
JHARKHAND	1/4/2009	39,479	30,894	6,338	76,712	MEGHALAYA	1/4/2009	89	17	471	576
	1/4/2010	39,633	30,992	6,338	76,964		1/4/2010	89	17	471	576
	1/4/2011	39,761	32,592	6,584	78,936		1/4/2011	89	17	471	576
BIHAR	1/4/2009	0	0	160	160	NAGALAND	1/4/2009	9	0	13	22
	1/4/2010	0	0	160	160		1/4/2010	9	0	307	315
	1/4/2011	0	0	160	160		1/4/2011	9	0	307	315
MADHYA PRADESH	1/4/2009	8,041	10,295	2,645	20,981	TERTIARY	1/4/2009	478	90	506	1,073
	1/4/2010	8,505	11,267	2,216	21,988	Coalfields	1/4/2010	478	90	799	1,367
	1/4/2011	8,871	12,192	2,063	23,126		1/4/2011	594	99	799	1,492
CHHATTISGARH	1/4/2009	10,911	29,192	4,381	44,483	INDIA	1/4/2009	105,720	123,570	37,921	267,211
	1/4/2010	12,441	30,230	4,011	46,682		1/4/2010	109,798	130,654	36,359	276,810
	1/4/2011	12,879	32,390	4,011	49,280		1/4/2011	114,002	137,471	34,390	285,862
MAHARASHTRA	1/4/2009	5,255	2,907	1,992	10,155	Singrimari coalfield of Assam (Non-Coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.					
	1/4/2010	5,360	2,984	1,965	10,308						
	1/4/2011	5,490	3,094	1,950	10,533						
ORISSA	1/4/2009	19,944	31,484	13,799	65,227						
	1/4/2010	21,507	32,074	12,726	66,307						
	1/4/2011	24,492	33,987	10,680	69,159						
SIKKIM	1/4/2009	0	58	43	101						
	1/4/2010	0	58	43	101						
	1/4/2011	0	58	43	101						
UTTAR PRADESH	1/4/2009	766	296	0	1,062						
	1/4/2010	866	196	0	1,062						
	1/4/2011	866	196	0	1,062						
WEST BENGAL	1/4/2009	11,653	11,603	5,071	28,327						
	1/4/2010	11,753	13,030	5,071	29,853						
	1/4/2011	11,753	13,132	5,071	29,955						
GONDAWANA	1/4/2009	105,243	123,480	37,415	266,137						
	1/4/2010	109,320	130,564	35,559	275,444						
	1/4/2011	113,408	137,372	33,590	284,370						

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 01-04-2011)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Mill.Tonnes)				
				Proved	Indicated	Inferred	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
WEST BENGAL	RANIGANJ	Medium Coking	0-300	194.70	1.60	0.00	196.30	
		Medium Coking	300-600	15.30	16.90	0.00	32.20	
		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	9544.54	1894.45	260.99	11699.98	
		Non Coking	300-600	1682.46	3491.18	2345.87	7519.51	
		Non Coking	600-1200	13.22	1914.09	1668.82	3596.13	
		TOTAL			11638.27	7750.71	4443.91	23832.89
		BARJORA	Non Coking	0-300	114.27	0.00	0.00	114.27
		BIRBHUM	Non Coking	0-300	0.00	609.96	40.01	649.97
			Non Coking	300-600	0.00	3597.38	523.19	4120.57
			Non Coking	600-1200	0.00	1173.64	48.58	1222.22
			TOTAL		0.00	5380.98	611.78	5992.76
		DARJEELING	Non Coking	0-300	0.00	0.00	15.00	15.00
	WEST BENGAL	TOTAL	Medium Coking	0-1200	210.00	18.50	0.00	228.50
	WEST BENGAL	TOTAL	Semi Coking	0-1200	188.05	432.49	168.23	788.77
WEST BENGAL	TOTAL	Non Coking	0-1200	11354.49	12680.70	4902.46	28937.65	
WEST BENGAL	TOTAL	ALL	0-1200	11752.54	13131.69	5070.69	29954.92	
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	5606.74	495.26	0.00	6102.00
			Non Coking	600-1200	496.00	1355.00	0.00	1851.00
			TOTAL		15077.57	4352.49	0.00	19430.06
		EAST BOKARO	Medium Coking	0-300	2607.20	1269.94	18.71	3895.85
			Medium Coking	300-600	384.67	1203.06	58.53	1646.26
			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		3351.87	3929.57	863.32	8144.76

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2011)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Mill.Tonnes)			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
JHARKHAND	WEST BOKARO	Medium Coking	0-300	3051.51	1202.44	29.09	4283.04
		Medium Coking	300-600	303.14	132.57	5.33	441.04
		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		3629.03	1349.04	34.42	5012.49
	RAMGARH	Medium Coking	0-300	267.20	87.40	0.00	354.60
		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		446.27	545.15	58.05	1049.47
	NORTH KARANPURA	Medium Coking	0-300	485.08	1163.22	0.00	1648.30
		Medium Coking	300-600	23.59	1635.92	413.43	2072.94
		Non Coking	0-300	8388.03	1257.32	722.03	10367.38
		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	5708.86	1864.96	17073.24	
	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	2517.35	634.55	287.45	3439.35
		Non Coking	300-600	230.74	763.67	644.03	1638.44
		Non Coking	600-1200	0.00	136.94	252.51	389.45
	TOTAL		2748.09	2048.56	1480.22	6276.87	
	AURANGABAD	Non Coking	0-300	213.88	1379.39	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		213.88	2279.82	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 DEOGARH	Non Coking	0-300	83.86	60.10	0.00	143.96
		Non Coking	0-300	326.24	73.60	0.00	399.84
		TOTAL		410.10	133.70	0.00	543.80
	RAJMAHAL	Non Coking	0-300	2631.89	7855.22	558.23	11045.34
Non Coking		300-600	23.63	3865.58	1151.95	5041.16	
Non Coking		600-1200	0.00	30.46	5.10	35.56	
TOTAL		2655.52	11751.26	1715.28	16122.06		

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2011)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Mill.Tonnes)			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<i>JHARKHAND</i>	<i>TOTAL</i>	<i>Prime Coking</i>	<i>0-1200</i>	<i>4614.35</i>	<i>698.71</i>	<i>0.00</i>	<i>5313.06</i>
<i>JHARKHAND</i>	<i>TOTAL</i>	<i>Medium Coking</i>	<i>0-1200</i>	<i>12008.03</i>	<i>10422.71</i>	<i>1607.40</i>	<i>24038.14</i>
<i>JHARKHAND</i>	<i>TOTAL</i>	<i>Semi Coking</i>	<i>0-1200</i>	<i>223.34</i>	<i>471.55</i>	<i>53.45</i>	<i>748.34</i>
<i>JHARKHAND</i>	<i>TOTAL</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>22915.01</i>	<i>20998.59</i>	<i>4922.84</i>	<i>48836.44</i>
<i>JHARKHAND</i>	<i>TOTAL</i>	<i>ALL</i>	<i>0-1200</i>	<i>39760.73</i>	<i>32591.56</i>	<i>6583.69</i>	<i>78935.98</i>
BIHAR	RAJMAHAL	Non Coking	0-300	0.00	0.00	160.00	160.00
<i>BIHAR</i>	<i>TOTAL</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>0.00</i>	<i>0.00</i>	<i>160.00</i>	<i>160.00</i>
MADHYA PRADESH	JOHILLA	Non Coking	0-300	185.08	104.09	32.83	322.00
	UMARIA	Non Coking	0-300	177.70	3.59	0.00	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	1084.74	212.76	35.80	1333.30
		Non Coking	300-600	212.67	176.84	122.40	511.91
		<i>TOTAL</i>			<i>1405.24</i>	<i>789.61</i>	<i>316.78</i>
	PATHAKHERA	Non Coking	0-300	261.08	51.70	0.00	312.78
		Non Coking	300-600	29.72	36.43	68.00	134.15
		<i>TOTAL</i>	<i>0-600</i>		<i>290.80</i>	<i>88.13</i>	<i>68.00</i>
	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
		Non Coking	0-300	1477.98	2281.39	57.74	3817.11
		Non Coking	300-600	1.27	1453.79	18.37	1473.43
		Non Coking	600-1200	0.00	31.27	0.00	31.27
		<i>TOTAL</i>			<i>1725.91</i>	<i>4926.55</i>	<i>190.36</i>
	SINGRAULI	Non Coking	0-300	4536.38	2589.74	860.06	7986.18
		Non Coking	300-600	542.37	3501.36	580.01	4623.74
		Non Coking	600-1200	0.00	141.26	14.66	155.92
		<i>TOTAL</i>			<i>5078.75</i>	<i>6232.36</i>	<i>1454.73</i>
<i>MADHYA PRADESH</i>	<i>TOTAL</i>	<i>Medium Coking</i>	<i>0-1200</i>	<i>354.49</i>	<i>1560.11</i>	<i>272.83</i>	<i>2187.43</i>
<i>MADHYA PRADESH</i>	<i>TOTAL</i>	<i>Non Coking</i>	<i>0-1200</i>	<i>8516.82</i>	<i>10631.61</i>	<i>1789.87</i>	<i>20938.30</i>
<i>MADHYA PRADESH</i>	<i>TOTAL</i>	<i>ALL</i>	<i>0-1200</i>	<i>8871.31</i>	<i>12191.72</i>	<i>2062.70</i>	<i>23125.73</i>

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2011)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Mill.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
	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	849.15	765.55	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	1369.84	3389.32	377.75	5136.91
		Non Coking	300-600	0.00	35.69	6.75	42.44
		TOTAL			1369.84	3425.01	384.50
	SENDURGARH	Non Coking	0-300	152.89	126.32	0.00	279.21
	KORBA	Non Coking	0-300	4955.63	3644.30	231.47	8831.40
		Non Coking	300-600	24.95	2292.20	607.11	2924.26
		TOTAL			4980.58	5936.50	838.58
	MAND-RAIGARH	Non Coking	0-300	3972.93	11342.17	1942.53	17257.63
		Non Coking	300-600	204.97	5153.84	610.19	5969.00
		Non Coking	600-1200	0.00	545.43	0.00	545.43
		TOTAL			4177.90	17041.44	2552.72
	TATAPANI-RAMKOLA	Non Coking	0-300	50.43	1092.58	24.85	1167.86
		Non Coking	300-600	0.00	997.47	177.34	1174.81
		Non Coking	600-1200	0.00	302.67	0.00	302.67
TOTAL				50.43	2392.72	202.19	2645.34
CHHATTISGARH	TOTAL	Semi Coking	0-1200	70.77	99.25	0.00	170.02
CHHATTISGARH	TOTAL	Non Coking	0-1200	12808.22	32291.13	4010.88	49110.23
CHHATTISGARH	TOTAL	ALL	0-1200	12878.99	32390.38	4010.88	49280.25

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2011)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Mill.Tonnes)				
				Proved	Indicated	Inferred	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
UTTAR PRADESH	SINGRAULI	Non Coking	0-300	866.05	195.75	0.00	1061.80	
UTTAR PRADESH	TOTAL	Non Coking	0-1200	866.05	195.75	0.00	1061.80	
UTTAR PRADESH	TOTAL	ALL	0-1200	866.05	195.75	0.00	1061.80	
MAHARASHTRA	WARDHA-VALLEY	Non Coking	0-300	3394.18	733.59	298.17	4425.94	
		Non Coking	300-600	32.80	658.50	1125.90	1817.20	
		Non Coking	600-1200	0.00	13.37	0.00	13.37	
		TOTAL		3426.98	1405.46	1424.07	6256.51	
	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	Non Coking	0-300	308.41	0.00	0.00	308.41	
	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	5489.61	3094.29	1949.51	10533.41
	MAHARASHTRA	TOTAL	ALL	0-1200	5489.61	3094.29	1949.51	10533.41
	ORISSA	IB-RIVER	Non Coking	0-300	7934.11	5164.49	1257.19	14355.79
			Non Coking	300-600	123.43	3419.30	4590.45	8133.18
Non Coking			600-1200	0.00	27.52	0.00	27.52	
TOTAL				8057.54	8611.31	5847.64	22516.49	
TALCHER		Non Coking	0-300	15597.04	12468.40	3335.81	31401.25	
		Non Coking	300-600	837.13	11694.09	1030.43	13561.65	
		Non Coking	600-1200	0.00	1213.16	466.33	1679.49	
		TOTAL		16434.17	25375.65	4832.57	46642.39	
ORISSA		TOTAL	Non Coking	0-1200	24491.71	33986.96	10680.21	69158.88
ORISSA		TOTAL	ALL	0-1200	24491.71	33986.96	10680.21	69158.88

Table - 2.3: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN COAL (as on 01-04-2011)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Mill.Tonnes)			
				Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ANDHRA PRADESH	GODAVARI VALLEY	Non Coking	0-300	5971.05	3529.46	147.28	9647.79
		Non Coking	300-600	3316.90	4749.16	653.91	8719.97
		Non Coking	600-1200	8.90	1449.75	2228.17	3686.82
		TOTAL	0-1200	9296.85	9728.37	3029.36	22054.58
ANDHRA PRADESH	TOTAL	Non Coking	0-1200	9296.85	9728.37	3029.36	22054.58
ANDHRA PRADESH	TOTAL	ALL	0-1200	9296.85	9728.37	3029.36	22054.58
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	Non Coking	0-300	0.00	2.79	0.00	2.79
		High Sulphur	0-300	246.24	4.55	0.00	250.79
	MAKUM	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	Non Coking	0-1200	0.00	2.79	0.00	2.79
ASSAM	TOTAL	High Sulphur	0-1200	464.78	42.72	3.02	510.52
ASSAM	TOTAL	ALL	0-1200	464.78	45.51	3.02	513.31
ARUNACHAL PRADESH	NAMCHIK	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 01-04-2011)

State	Field	Type of Coal	Depth (Mt.)	Reserve (Mill.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	12572.52	12001.32	1880.23	26454.07
INDIA	TOTAL	Semi Coking	0-1200	482.16	1003.29	221.68	1707.13
INDIA	TOTAL	Non Coking	0-1200	95738.76	123668.44	31488.11	250895.31
INDIA	TOTAL	High Sulphur	0-1200	593.81	99.34	799.49	1492.64
INDIA	TOTAL		0-1200	114001.60	137471.10	34389.51	285862.21
INDIA	Total for Tertiary Coalfields		0-1200	593.81	99.34	799.49	1492.64
INDIA	Total for Gondwana Coalfields*		0-1200	113407.79	137371.76	33590.02	284369.57
INDIA	GRAND TOTAL		0-1200	114001.60	137471.10	34389.51	285862.21

* Including Sikkim

TABLE 2.4: COAL RESERVE BY TYPE OF COAL AND DEPTH AS ON (as on 01-04-2011)

State	Field	Type of Coal	Depth (Metre)	Reserve (Mill.Tonnes)			
				Proved	Indicated	Inferred	<i>Total</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
INDIA	<i>TOTAL (Jharia)</i>	Prime Coking	0-600	4039.41	4.01	0.00	4043.42
INDIA	<i>TOTAL (Jharia)</i>	Prime Coking	600-1200	574.94	694.70	0.00	1269.64
INDIA	<i>TOTAL (Other than Jharia)</i>	Medium Coking	0-300	7077.80	4207.96	66.22	11351.98
INDIA	<i>TOTAL (Other than Jharia)</i>	Medium Coking	300-600	878.31	4248.47	742.83	5869.61
INDIA	<i>TOTAL (Jharia)</i>	Medium Coking	0-600	4064.18	2.82	0.00	4067.00
INDIA	<i>TOTAL</i>	Medium Coking	600-1200	552.23	3542.07	1071.18	5165.48
INDIA	<i>TOTAL</i>	Semi Coking	0-300	339.86	125.97	0.55	466.38
INDIA	<i>TOTAL</i>	Semi Coking	300-600	109.51	572.25	76.38	758.14
INDIA	<i>TOTAL</i>	Semi Coking	600-1200	32.79	305.07	144.75	482.61
INDIA	<i>TOTAL</i>	High Sulphur	0-300	407.96	83.19	799.49	1290.64
INDIA	<i>TOTAL</i>	High Sulphur	300-600	185.85	16.15	0.00	202.00
INDIA	<i>TOTAL (Other than Jharia)</i>	Non Coking	0-300	81437.95	63821.54	10890.63	156150.12
INDIA	<i>TOTAL (Other than Jharia)</i>	Non Coking	300-600	8175.95	50358.60	15737.32	74271.87
INDIA	<i>TOTAL (Jharia)</i>	Non Coking	0-600	5606.74	495.26	0.00	6102.00
INDIA	<i>TOTAL</i>	Non Coking	600-1200	518.12	8993.04	4860.16	14371.32
INDIA	TOTAL	Grand Total	0-1200	114001.60	137471.10	34389.51	285862.21

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 01-04-201
(Figs. 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	114.74	1545.53	3420.83	2683.02	1780.42	9544.54	32.26	199.14	548.69	543.78	570.58	1894.45	260.99	11699.98
	300-600	50.88	544.30	434.31	294.96	358.01	1682.46	103.70	759.15	1315.88	708.87	603.58	3491.18	2345.87	7519.51
	600-1200	0.00	9.45	0.90	1.30	1.57	13.22	156.63	396.61	560.94	418.06	381.85	1914.09	1668.82	3596.13
	0-1200	165.62	2099.28	3856.04	2979.28	2140.00	11240.22	292.59	1354.90	2425.51	1670.71	1556.01	7299.72	4275.68	22815.62
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	10.60	106.44	491.64	609.96	40.01	649.97
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.10	1109.85	562.55	1879.88	3597.38	523.19	4120.57
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.60	291.48	528.37	335.19	1173.64	48.58	1222.22
	0-1200	0.00	0.00	0.00	0.00	0.00	0.00	1.28	63.70	1411.93	1197.36	2706.71	5380.98	611.78	5992.76
Total		165.62	2099.28	3856.04	2979.28	2254.27	11354.49	293.87	1418.60	3837.44	2868.07	4262.72	12680.70	4902.46	28937.65
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
	600-1200	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	86.59	460.30	4953.62	5606.74	6.08	2.27	1.25	9.34	476.32	495.26	0.00	6102.00
	600-1200	5.64	3.42	6.50	35.95	444.49	496.00	15.41	9.34	17.76	98.21	1214.28	1355.00	0.00	1851.00
	0-1200	69.03	46.26	93.09	496.25	5398.11	6102.74	21.49	11.61	19.01	107.55	1690.60	1850.26	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	937.33	1257.32	722.03	10367.38
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	2130.97	2909.72	1451.53	13352.00

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-201
(Figs. 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)
South	0-300	149.61	121.80	332.17	577.83	1335.94	2517.35	0.06	46.00	113.39	214.21	260.89	634.55	287.45	3439.35
Karanpura	300-600	10.57	19.80	30.19	47.08	123.10	230.74	1.46	69.15	104.23	235.03	353.80	763.67	644.03	1638.44
	600-1200	0.00	0.00	0.00	0.00	0.00	0.00	0.83	12.09	37.00	43.49	43.53	136.94	252.51	389.45
	0-1200	160.18	141.60	362.36	624.91	1459.04	2748.09	2.35	127.24	254.62	492.73	658.22	1535.16	1183.99	5467.24
Aurangabad	0-300	0.00	0.00	0.00	0.04	213.84	213.88	0.00	8.04	11.03	134.71	1225.61	1379.39	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	213.84	213.88	0.00	8.04	33.36	244.64	1993.78	2279.82	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
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	52.15	138.48	2440.70	2631.89	0.34	27.73	321.51	1693.06	5812.58	7855.22	558.23	11045.34
	300-600	0.00	0.00	1.25	3.16	19.22	23.63	0.00	30.45	382.64	1259.40	2193.09	3865.58	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	53.40	141.64	2459.92	2655.52	0.34	58.18	704.15	2953.17	8035.42	11751.26	1715.28	16122.06
Total		305.68	361.34	870.16	2770.33	18607.50	22915.01	45.47	246.08	1073.05	4760.89	14873.10	20998.59	4922.84	48836.44
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	292.81	276.59	308.17	1084.74	12.11	31.66	49.61	78.43	40.95	212.76	35.80	1333.30
Kanhan	300-600	17.61	41.15	61.68	59.47	32.76	212.67	3.84	65.44	74.81	6.57	26.18	176.84	122.40	511.91
	0-600	71.55	194.38	354.49	336.06	340.93	1297.41	15.95	97.10	124.42	85.00	67.13	389.60	158.20	1845.21
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

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-201
(Figs. 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)
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	238.21	426.68	354.36	344.14	1477.98	87.95	380.60	815.68	534.97	462.19	2281.39	57.74	3817.11
	300-600	0.00	0.00	0.40	0.27	0.60	1.27	99.51	373.31	479.59	254.24	247.14	1453.79	18.37	1473.43
	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	238.21	427.08	354.63	344.74	1479.25	188.42	766.55	1298.41	796.09	716.98	3766.45	76.11	5321.81
Singrauli	0-300	0.00	1.17	598.11	1012.09	2925.01	4536.38	46.91	338.74	914.56	541.77	747.76	2589.74	860.06	7986.18
	300-600	0.02	0.46	52.98	159.75	329.16	542.37	39.29	338.99	819.88	1207.22	1095.98	3501.36	580.01	4623.74
	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	14.66	155.92
	0-1200	0.02	1.63	651.09	1171.84	3254.17	5078.75	103.34	720.36	1781.66	1774.21	1852.79	6232.36	1454.73	12765.84
Total		188.05	495.36	1610.21	2067.63	4155.57	8516.82	307.82	1619.78	3245.18	2701.13	2757.70	10631.61	1789.87	20938.30
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	97.20	254.76	152.82	161.09	183.28	849.15	15.37	141.69	147.67	181.36	279.46	765.55	0.00	1614.70
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	960.49	1369.84	61.42	147.06	628.57	1485.02	1067.25	3389.32	377.75	5136.91
	300-600	0.00	0.00	0.00	0.00	0.00	0.00	6.19	13.69	5.22	8.28	2.31	35.69	6.75	42.44
	0-600	1.36	18.40	91.54	298.05	960.49	1369.84	67.61	160.75	633.79	1493.30	1069.56	3425.01	384.50	5179.35
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	148.79	252.07	4221.68	4955.63	38.15	32.95	114.86	126.29	3332.05	3644.30	231.47	8831.40
	300-600	10.00	0.00	0.00	3.40	11.55	24.95	7.50	0.00	39.81	372.77	1872.12	2292.20	607.11	2924.26
	0-600	233.01	110.08	148.79	255.47	4233.23	4980.58	45.65	32.95	154.67	499.06	5204.17	5936.50	838.58	11755.66

TABLE-2.5: GRADEWISE INVENTORY OF NON-COKING COAL RESERVE IN GONDWANA COALFIELDS OF INDIA (as on 01-04-201

(Figs. 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)
Andhra Pradesh															
Godavari	0-300	45.13	229.99	1225.01	1258.00	3212.92	5971.05	46.51	99.35	292.69	460.01	2630.90	3529.46	147.28	9647.79
	300-600	25.71	175.21	678.60	1028.41	1408.97	3316.90	46.41	166.13	507.40	689.48	3339.74	4749.16	653.91	8719.97
	600-1200	2.17	3.56	1.24	0.46	1.47	8.90	8.19	150.48	230.81	368.80	691.47	1449.75	2228.17	3686.82
	0-1200	73.01	408.76	1904.85	2286.87	4623.36	9296.85	101.11	415.96	1030.90	1518.29	6662.11	9728.37	3029.36	22054.58
Total		73.01	408.76	1904.85	2286.87	4623.36	9296.85	101.11	415.96	1030.90	1518.29	6662.11	9728.37	3029.36	22054.58
Assam															
Singrimari	0-300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.79	0.00	0.00	0.00	2.79	0.00	2.79
Total	0-300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.79	0.00	0.00	0.00	2.79	0.00	2.79
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		1332.94	4479.16	10275.61	14578.38	65072.67	95738.76	1358.06	5224.04	13484.12	24420.53	79181.69	123668.43	31488.11	250895.31

Source: Geological Survey Of India

**TABLE - 2.6 : STATEWISE INVENTORY OF GEOLOGICAL RESERVE OF LIGNITE
AS ON 1st APRIL 2009, 2010 & 2011**

As on	State	Resources (Mill.Tonnes)			
		Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)
1/4/2009	Gujarat	785.27	259.40	1618.08	2662.75
1/4/2010	Gujarat	1243.65	259.40	1159.70	2662.75
1/4/2011	Gujarat	1243.65	318.70	1159.70	2722.05
1/4/2009	J & K	0.00	20.25	7.30	27.55
1/4/2010	J & K	0.00	20.25	7.30	27.55
1/4/2011	J & K	0.00	20.25	7.30	27.55
1/4/2009	Kerala	0.00	0.00	9.65	9.65
1/4/2010	Kerala	0.00	0.00	9.65	9.65
1/4/2011	Kerala	0.00	0.00	9.65	9.65
1/4/2009	Pondicherry	0.00	405.61	11.00	416.61
1/4/2010	Pondicherry	0.00	405.61	11.00	416.61
1/4/2011	Pondicherry	0.00	405.61	11.00	416.61
1/4/2009	Rajasthan	842.13	2327.78	1384.14	4554.05
1/4/2010	Rajasthan	1166.96	2136.47	1500.50	4803.93
1/4/2011	Rajasthan	1166.96	2148.72	1519.61	4835.29
1/4/2009	Tamilnadu	3735.23	22521.93	5144.65	31401.81
1/4/2010	Tamilnadu	3735.23	22521.92	5718.70	31975.85
1/4/2011	Tamilnadu	3735.23	22900.05	6257.64	32892.92
1/4/2009	West Bengal	0.00	0.29	0.86	1.15
1/4/2010	West Bengal	0.00	0.29	0.86	1.15
1/4/2011	West Bengal	0.00	0.93	0.86	1.79
1/4/2009	All India	5362.63	25535.26	8175.68	39073.57
1/4/2010	All India	6145.84	25794.26	8965.76	40905.86
1/4/2011	All India	6145.84	25794.26	8965.76	40905.86

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 1.4.2011)
(Mill.Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Pandicherry	Neyveli lignite field						
	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	NLC Leasehold areas	0-150	2831.00	134.00	138.00	3103.00	
	(Mine-I & Expansion, Mine 1A, II & Expansion, Mine III, Block B, Devangudi & areas locked up between Mine I, Mine II, Mine III and river)	150-300	0.00	0.00	24.00	24.00	3127.00
Cuddalore	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
Cuddalore	Veeranam(Lalpettai)	150-300	0.00	1341.17	0.00	1341.17	
		>300	0.00	1.28	0.00	1.28	1342.45
	Eastern part of NLC leasehold area	>150	0.00	0.00	55.00	55.00	55.00
	Kullanchavadi	>150	0.00	0.00	175.00	175.00	175.00
	Kudikadu	0-150	0.00	0.00	133.38	133.38	133.38
	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
	*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
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 1.4.2011)
(Mill.Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Thanjavur & Thiruvarur	Mannargudi lignite field						
	Mannargudi-Central	150-300	0.00	3159.00	0.00	3159.00	
		>300	0.00	1843.55	0.00	1843.55	5002.55
	Mannargudi-NE	150-300	0.00	275.26	0.00	275.26	
		>300	0.00	5867.28	0.00	5867.28	6142.54
	Mannargudi-NE extn.	>300	0.00	0.00	3057.95	3057.95	3057.95
	Mannargudi-SE	150-300	0.00	553.00	0.00	553.00	
		>300	0.00	5505.37	0.00	5505.37	6058.37
	Melnattam-Agraharam	150-300	0.00	44.60	65.51	110.11	110.11
	Thanjavur	Mannargudi -NW	150-300	0.00	575.57	0.00	575.57
>300			0.00	421.10	0.00	421.10	996.67
Mannargudi -SW		150-300	0.00	481.80	0.00	481.80	481.80
Maharajapuram		150-300	0.00	23.95	0.00	23.95	23.95
Orattanadu-Pattukottai		150-300	0.00	10.80	44.31	55.11	55.11
Vadaseri(Orattanadu-Pattukottai)		0-150	0.00	9.37	0.00	9.37	
		150-300	0.00	745.83	0.00	745.83	755.20
Madukkur-Anaikkadu		150-300	0.00	17.41	28.35	45.76	45.76
Veppanagulam-Kasangadu		150-300	0.00	4.88	0.00	4.88	4.88
Thanjavur & Nagappattinam		Alangudi	150-300	0.00	24.98	48.01	72.99
	>300		0.00	29.31	55.72	85.03	158.02
	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 1.4.2011)
(Mill.Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Ramanathapuram	Ramanathapuram lignite field						
	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
	Ramanathapuram lignite field		0.00	168.83	272.43	441.26	441.26
Total for Tamil Nadu			3735.23	22900.05	6257.64	32892.92	32892.92
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
	Barsingsar	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 Main(Ext.)	0-300	0.00	39.44	0.00	39.44	39.44
	Bithnok Main	0-300	43.28	0.00	0.00	43.28	
		150-300	55.84	0.00	0.00	55.84	99.12
	Borana	0-150	0.00	0.10	0.41	0.51	0.51
Chak-Vijaisinghpura	0-150	2.80	0.00	0.00	2.80	2.80	
Deshnok-Ramsar-Sinthal	0-150	0.00	0.00	52.85	52.85		
	150-300	0.00	0.00	0.92	0.92	53.77	

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 1.4.2011)
(Mill.Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Barmer	Diyatra	0-150	0.00	57.53	0.00	57.53	124.87
		150-300	0.00	67.34	0.00	67.34	
	East of Riri	0-150	0.00	0.00	1.76	1.76	1.76
	Gadiyala	0-300	0.00	0.00	36.98	36.98	36.98
	Gigasar-Kesardesar	0-150	0.00	0.65	0.00	0.65	0.65
	Girirajsar	0-300	0.00	26.48	8.99	35.47	35.47
	Girirajsar Extn.	150-300	0.00	0.00	24.81	24.81	24.81
	Gurha East	0-150	33.81	0.00	0.00	33.81	38.11
		150-300	4.30	0.00	0.00	4.30	
	Gurha West	0-150	40.65	0.00	0.00	40.65	41.65
		150-300	1.00	0.00	0.00	1.00	
	Hadda	150-300	0.00	0.22	0.00	0.22	0.22
	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
	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	62.18
		150-300	0.00	0.00	16.62	16.62	
	Rneri	0-150	33.92	0.00	0.00	33.92	33.92
	Riri	0-150	159.68	0.00	0.00	159.68	182.43
		>150	22.75	0.00	0.00	22.75	
	Sarupdesar-Palana west	0-150	0.00	0.67	0.00	0.67	0.67
	Kapurdi	0-150	150.40	0.00	0.00	150.40	150.40

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 1.4.2011)
(Mill.Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Jalipa	0-150	224.28	0.00	0.00	224.28	324.83
		150-300	100.55	0.00	0.00	100.55	
	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	34.52
		150-300	0.00	3.00	0.00	3.00	
	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	9.45
		150-300	0.00	1.00	0.00	1.00	
	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
	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	44.06
		150-300	0.00	2.93	7.61	10.54	
	Mithra	0-150	0.00	0.09	0.39	0.48	2.46
		150-300	0.00	0.45	1.53	1.98	
	Hodu	0-300	0.00	78.17	80.55	158.72	165.57
		>300	0.00	0.00	6.85	6.85	
	Nimbalkot	0-100	0.00	0.00	8.97	8.97	109.60
		100-300	0.00	0.00	85.49	85.49	
		>300	0.00	0.00	15.14	15.14	
Nimbalkot North	0-100	0.00	0.00	1.93	1.93	27.72	
	100-300	0.00	0.00	22.34	22.34		
	>300	0.00	0.00	3.45	3.45		

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 1.4.2011)
(Mill.Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	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
Jaisalmer & barmer	Kuuri	0-300	0.00	0.00	13.80	13.80	13.80
Nagaur	Kasnau-Igiar	0-150	64.90	0.00	0.00	64.90	64.90
	Matasukh	0-150	10.10	0.00	0.00	10.10	10.10
	Mokala	0-150	0.00	29.00	0.00	29.00	29.00
	Nimbri-Chandawatan	0-150	9.00	0.00	0.00	9.00	9.00
	Kapriion-ka-Dhani	0-150	17.00	0.00	0.00	17.00	17.00
	Merta Road & Meeranagar	0-150	0.00	23.90	59.35	83.25	83.25
	Indawar	0-150	12.00	0.00	0.00	12.00	12.00
	Kuchera	0-150	0.00	0.00	1.00	1.00	1.00
	Lunsara	0-300	0.00	7.17	0.00	7.17	7.17
	Phalki	0-150	0.00	0.18	0.00	0.18	
		150-300	0.00	0.32	0.00	0.32	0.50
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			1166.96	2148.72	1519.61	4835.29	4835.29

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 1.4.2011)
(Mill.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	0-150	14.00	59.30	0.00	73.30	73.30
	Akrimota	0-150	91.78	0.00	0.00	91.78	91.78
	Jhularai-Waghpadar	0-150	3.00	0.00	0.00	3.00	3.00
	Hamla-Ratadia	0-150	0.00	0.00	3.00	3.00	3.00
	Pranpur	0-300	0.00	1.28	8.45	9.73	9.73
Bhavnagar	Kharsalia,Rampur,Hoidad, Bhuteshwar, Surka etc.	0-300	0.00	0.00	299.17	299.17	299.17
Bharuch	Bhuri	0-150	10.59	31.56	0.00	42.15	42.15
	Valia,Bhaga,Luna,Pansoli, Nani Pardi etc.	0-150	225.88	0.00	0.00	225.88	
		>150	232.50	0.00	0.00	232.50	
		0-300	251.68	87.03	178.47	517.18	975.56
	Bhimpur	0-150	3.60	0.00	0.00	3.60	
		150-300	0.51	0.00	0.00	0.51	4.11
	Rajpardi (GMDC leasehold) byMEC	0-150	0.00	0.00	20.72	20.72	20.72
	Rajpardi (CGM) by MECL	0-300	0.00	0.00	292.04	292.04	292.04
Surat	Tadkeswar	0-300	0.00	0.00	123.10	123.10	123.10
	Dungra	0-300	0.00	0.00	92.52	92.52	92.52

Table - 2.7: FIELDWISE INVENTORY OF GEOLOGICAL RESERVE OF INDIAN LIGNITE (as on 1.4.2011)
(Mill.Tonnes)

State/District	Area/Field	Depth(m)	Proved	Indicated	Inferred	Total	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Surat	East of Kamrej-Vesma	150-300	0.00	0.00	7.92	7.92	7.92
	Tadkeswar Block-Mongrol, Mandvi, Vastan, Nani Naroli,Ghala etc.	0-300	218.28	108.71	112.67	439.66	439.66
Total for Gujarat			1243.65	318.70	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
Total for West Bengal			0.00	0.93	0.86	1.79	1.79
Grand Total for all States			6145.84	25794.26	8965.76	40905.86	40905.86

Table 2.8: PROMOTIONAL EXPLORATION (DRILLING IN METRES) DURING 2003-04 to 2010-11

Command Area		CIL	SCCL	NLC	TOTAL
Year	Agency	(Coal)	(Coal)	(Lignite)	
(1)	(2)	(3)	(4)	(5)	(6)
2003-04	Geological Survey of India	13497	0	0	13497
2003-04	Mineral Exploration Corporation Ltd.	25434	18712	59401	103547
2003-04	Central Mine Planning & Design Inst.	14487	0	0	14487
2003-04	All Agencies	53418	18712	59401	131531
2004-05	Geological Survey of India	11756	0	643	12399
2004-05	Mineral Exploration Corporation Ltd.	33781	15110	56383	105274
2004-05	Central Mine Planning & Design Inst.	16889	0	0	16889
2004-05	All Agencies	62426	15110	57026	134562
2005-06	Geological Survey of India	11686	0	385	12071
2005-06	Mineral Exploration Corporation Ltd.	39912	16786	58596	115294
2005-06	Central Mine Planning & Design Inst.	11123	0	0	11123
2005-06	All Agencies	62721	16786	58981	138488
2006-07	Geological Survey of India	11260	0	6529	17789
2006-07	Mineral Exploration Corporation Ltd.	33536	18212	25192	76940
2006-07	Central Mine Planning & Design Inst.	6879	0	0	6879
2006-07	All Agencies	51675	18212	31721	101608
2002-2007(X Plan)	Geological Survey of India	57652	0	7557	65209
2002-2007(X Plan)	Mineral Exploration Corporation Ltd.	161307	86022	255932	503261
2002-2007(X Plan)	Central Mine Planning & Design Inst.	55019	0	0	55019
2002-2007(X 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

Section: III

Production & Productivity

This section provides data on coal with respect to class, grade, and type of mines at aggregate level viz. State and Company level.

Source of data: The Coal Controller is the Statutory Authority for collection of all coal related data. Under “The Collection of Statistics Act, 2008, “The Colliery Control Rules, 2004” & “Coal Mines (Conservation & Development) Act, 1974”, detailed data on production (P), Despatches (D), Pit head Vendible Closing Stock (S) etc. are collected from the coal companies annually through Annual Survey of Coal & Lignite Industry (PDS) Returns. This system has been introduced since 1998-99. The need for Coal Controller’s Organisation’s own survey was felt with an aim to develop a database on various aspects of coal statistics - Reserve, Production, Despatches, Pit head closing stock etc.

Limitation: (a) Data collected from different subsidiaries of CIL and other coal companies through ASCI returns are meant for statistical purpose, so it may be used for planning/research only. In some cases these have been collected even before the finalisation of their financial accounts. Thus CIL data presented here may not exactly tally with figures released by CIL itself after the finalisation of its account. It is expected that the variations, if any, are within an acceptable tolerance limit. Data presented here should not be used for taxation purpose.

(b) Detailed data on production, despatch etc. with respect to small entrepreneurs engaged in mining coal in the state of

Meghalaya are not available. The only information available is on despatches. Practically the information is collected at government check gates through which loaded trucks pass. Directorate of Mineral Resources, Meghalaya have been providing this information. However, information on its destination and the related consuming sectors are not available. But due to lack of any other reliable source, the information collected through this mechanism have been accepted and used to the extent possible. It is assumed here that the pit head closing stocks of coal in individual pits as well as in the entire state is negligible, as small entrepreneurs can not afford to stockpile large quantities. This assumption leads to a oversimplified solution for production data i.e, Production = Despatches.

(c) The production of coke: Information on hard and soft coke produced in the private cokeries could not be collected. As such, coke data presented here are not exhaustive. Private cokeries in India are using both indigenous coal as well as imported coal. Until imported coal is fully accounted for by sectoral use and reliable estimates of source of indigenous coal are known, it is not possible to estimate this production. Hard coke produced in coke oven plants of steel plants and CIL has been covered only. However, production reported here is assumed to be the major share of entire hard coke production in the country.

(d) The production of Washed coal & Middlings: Information collected and presented here is related to only (coking and non-coking) coal washery belonging to coal producing company - both captive

and non captive. Small amount of coking coal being washed in private sector could not be covered. Beside these, good number of private non coking coal washery exist in private sector which wash on behalf of linked consumers after drawing non coking coal allotted to these consumers from CIL/SCCL. Of late effort is being made to collect data from these washeries but due to insufficient coverage, data on the same are not reported here. However information on non-coking coal washeries owned by captive/ non captive coal companies are available and used in sectoral despatches (table 4.16, 4.17) for reporting actual amount of coal/ coal products (washed coal / middling out of both coking and non coking coal washeries) despatched.

(d) Man Productivity: Output in terms of raw coal raised in tonnes per man per shift (OMS) is being treated as a measure of man productivity. OMS of all subsidiaries of CIL, as well as SCCL, have been provided. For other companies which are of mostly captive nature this information is not given. While calculating OMS, only revenue mines and manshifts associated with such production and maintenance are considered. Both CIL & SCCL figures of OMS are reported in this publication as it is reported by respective company without any adjustment. The same method may not to be adopted by other companies and therefore OMS for these companies are not provided.

Classification of Indian coal and Grade:

Indian coal is classified in two main classes namely Coking and Non-Coking. Coking coal means such type of coal from which, on carbonisation, coke suitable for use in metallurgical industries particularly in iron & steel industries can be produced. Parameters determining coking property of coal are ‘Caking Index’, ‘Volatile Matter (VM%)’, ‘Vitrinite %’, ‘Crucible Swell No’, ‘Fluidity’, ‘Reflectance’ etc. Although for commercial gradation, ash % is the sole criterion and for semi/ weakly

coking coal, ash % & moisture % are two main criteria. For non-coking coal, an empirical formula is used to determine Useful Heat Value (UHV) of coal in kcal/kg.

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

Where A & M are ash & moisture % determined on equilibrated basis.

For non-coking coal with VM less than 19%, a revised formula is used on the above formula as below:-

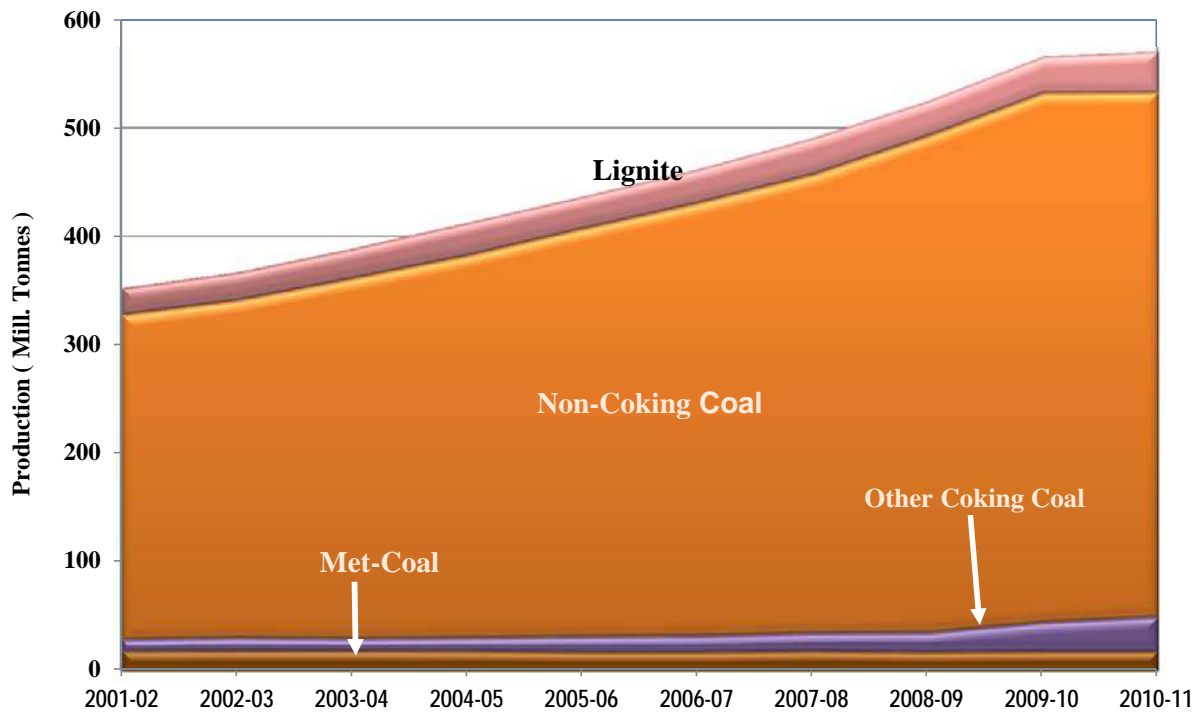
$$UHV = 8900 - 138 (A + M) - 150 (19 - VM)$$

However 2010-11 will be the last publication of Coal Directory containing gradation based on UHV. Since January, 2012, a new system of gradation based on Gross Calorific Value (GCV) is adopted.

In a nutshell, following table will give the glimpses of coal production in 2010-11

Production	(in MT)	
Coal	532.694	
OC	477.839	
UG	54.855	
Coking Coal	49.547	
Non-coking Coal	483.147	
Washed Coal (Coking)	6.955	
Washed Coal (Non-Coking)	14.532	
Middling (Coking)	4.643	
Middling (Non-Coking)	3.589	
Coke	10.839	
OMS (CIL)	OC	10.06
	UG	0.77
OMS(SCCL)	OC	11.98
	UG	1.10
Over Burden Removal	1068.597 (Mn Cu. Mt)	

Chart III.1 - Area Graph : Trend of Production of Different types of Solid Fossil Fuel during 2001-2002 to 2010-2011

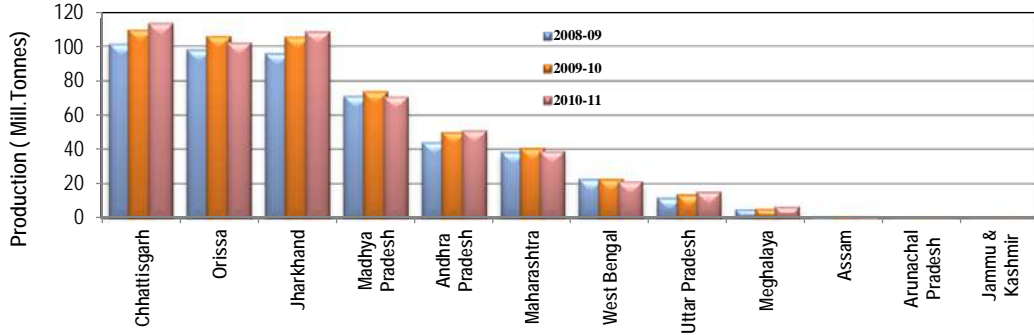


Production of different types of solid fossil fuels during 2001-02 TO 2010-11 (Mill.Tonnes).

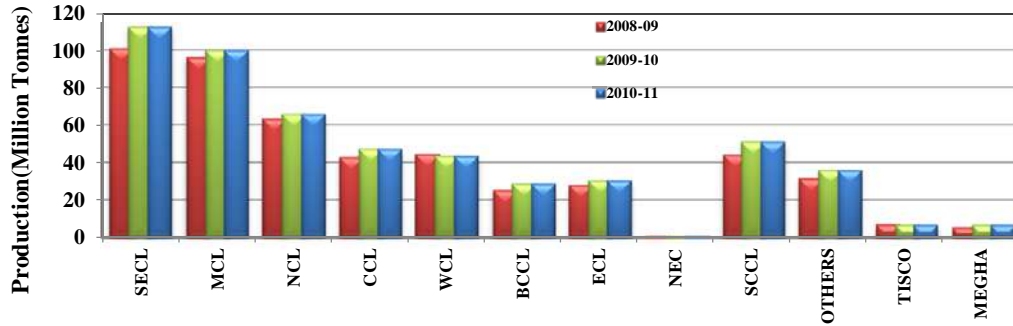
Year -->	Met Coal	Other-Ckg	Coking	Non-Coking	Raw Coal	Lignite
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2001-02	17.956	10.712	28.668	299.119	327.787	24.813
2002-03	18.353	11.842	30.195	311.077	341.272	26.018
2003-04	18.268	11.133	29.401	331.845	361.246	27.958
2004-05	18.194	12.03	30.224	352.391	382.615	30.411
2005-06	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	16.39	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

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.

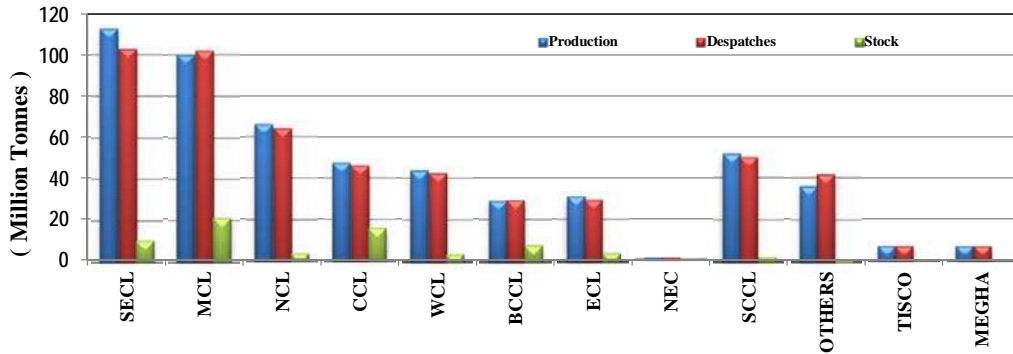
Ch-III.2: Statewise Production of Raw Coal in last Three Years



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



Ch-III.4: Production, Despatches & Stock Companywise in 2010-11



Ch-III.5: Company Share of Production of Raw Coal in 2010-11

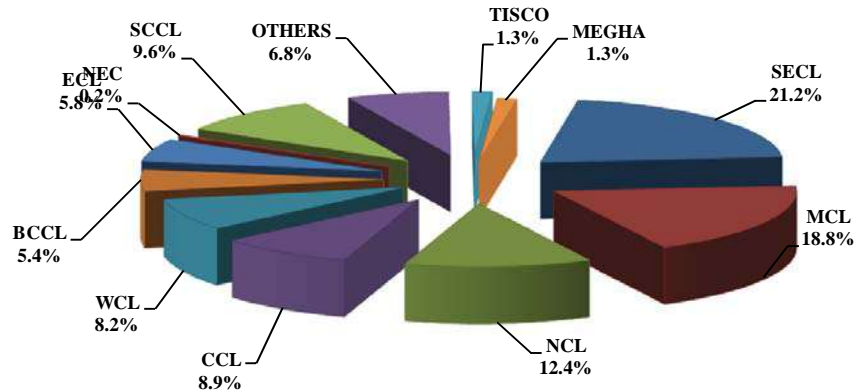


TABLE 3.1: TRENDS OF PRODUCTION OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS

(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)
2001-02	327.787	93.0	4.5	24.813	7.0	2.3	352.600	4.3
2002-03	341.272	92.9	4.1	26.018	7.1	4.9	367.290	4.2
2003-04	361.246	92.8	5.9	27.958	7.2	7.5	389.204	6.0
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

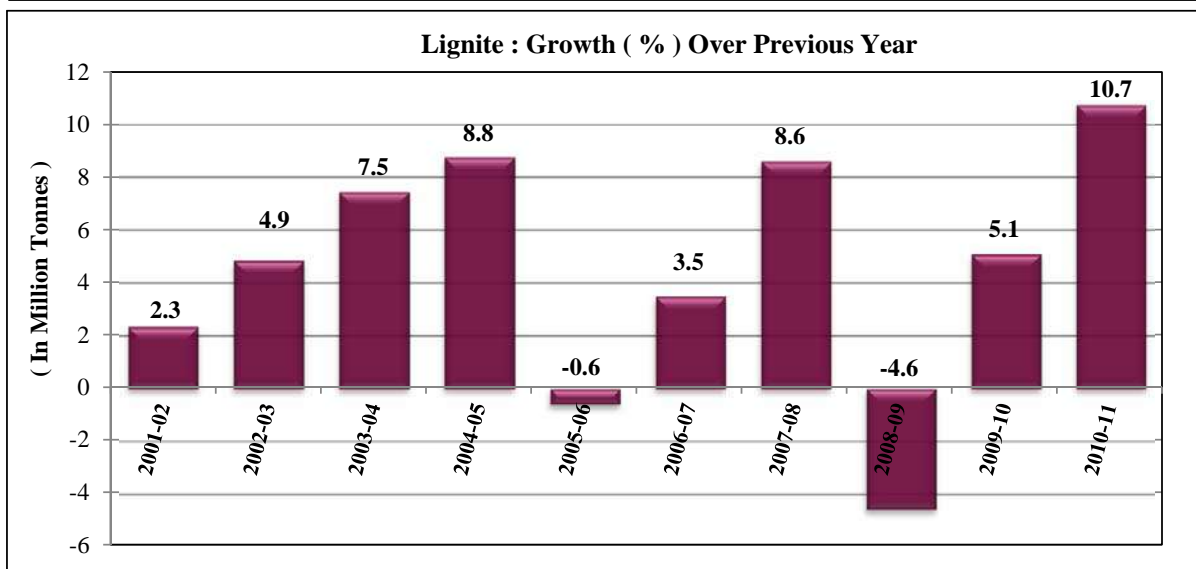
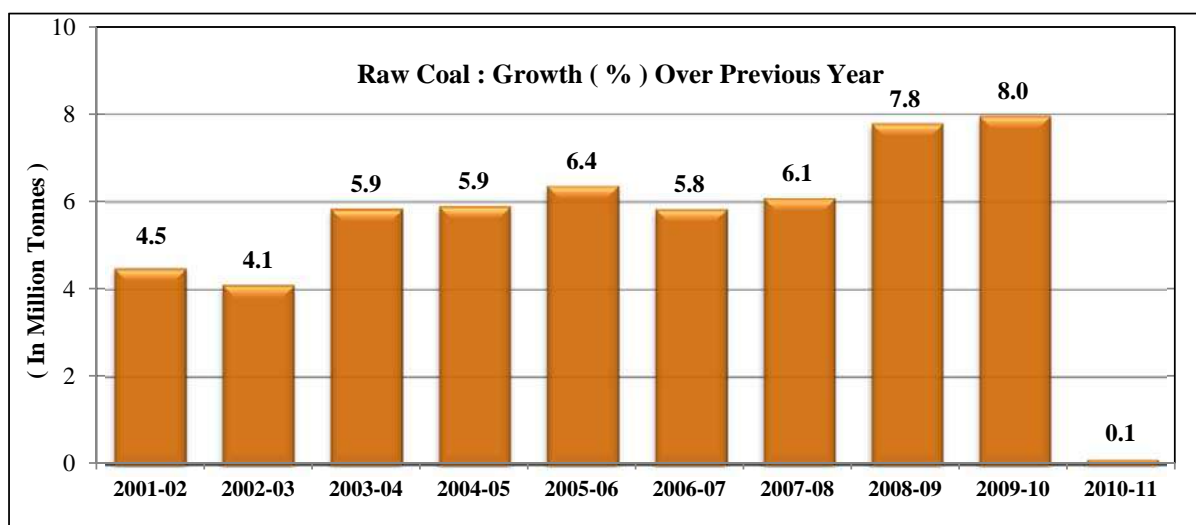


TABLE 3.2: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS
(Million Tonnes)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal			Production	Share in raw coal(%)	Growth over previous year (%)	Production	Growth over previous year (%)
	Production	Share in coking coal(%)	Growth over previous year (%)	Production	Share in coking coal(%)	Growth over previous year (%)	Production	Share in raw coal(%)	Growth over previous year (%)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2001-02	17.956	62.6	-7.7	10.712	37.4	-6.4	28.668	8.7	-7.2	299.119	91.3	5.8	327.787	4.5
2002-03	18.353	60.8	2.2	11.842	39.2	10.5	30.195	8.8	5.3	311.077	91.2	4.0	341.272	4.1
2003-04	18.268	62.1	-0.5	11.133	37.9	-6.0	29.401	8.1	-2.6	331.845	91.9	6.7	361.246	5.9
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

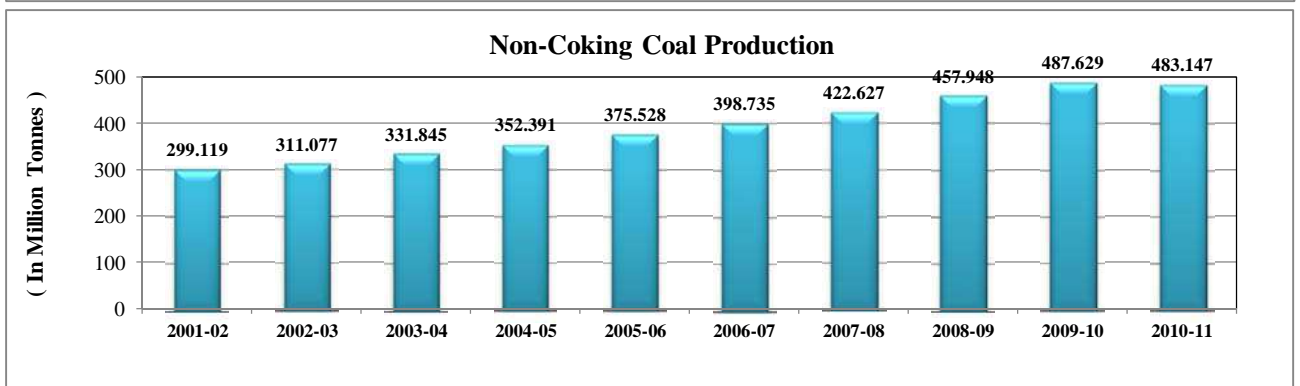
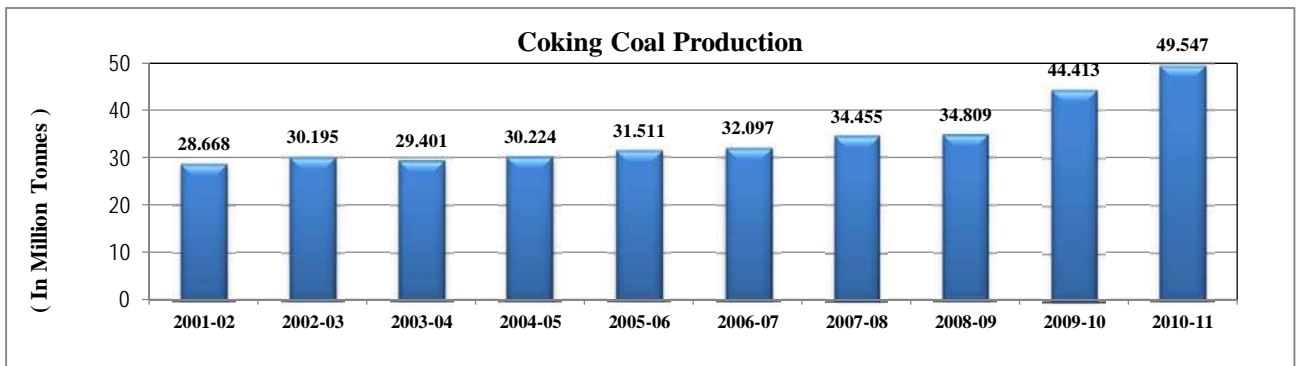
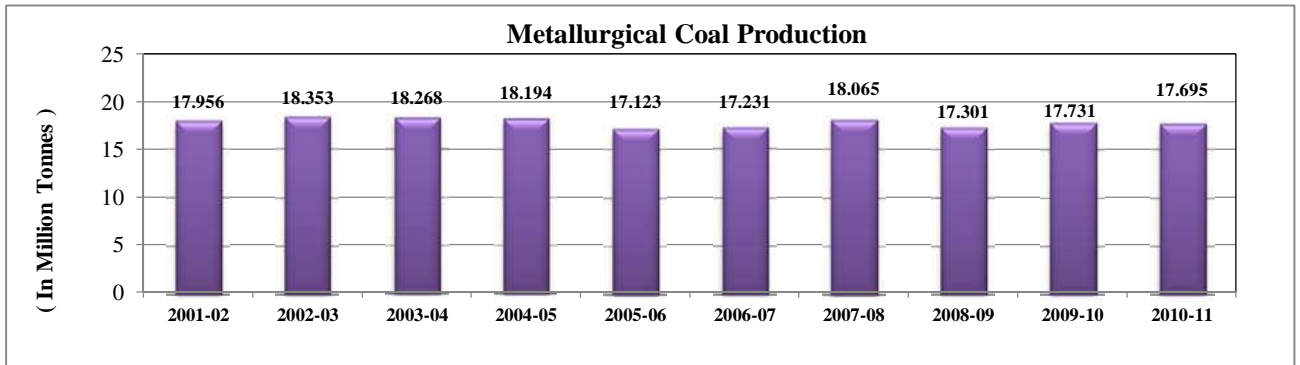
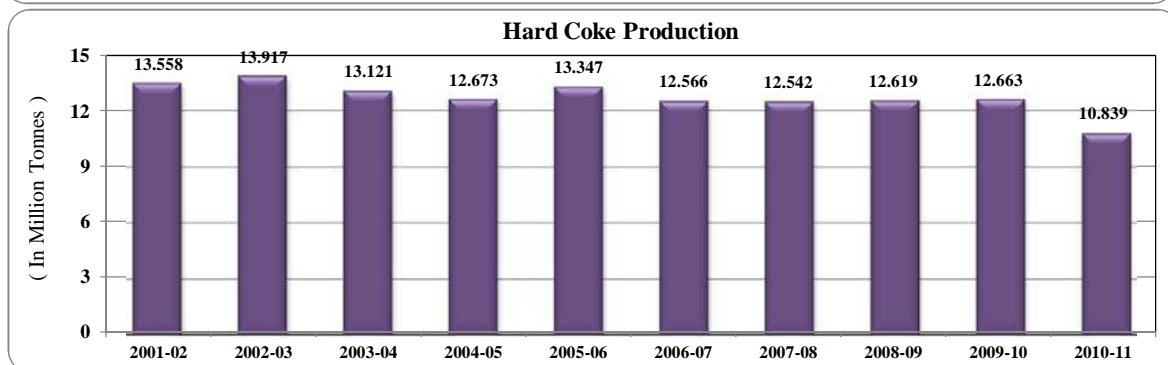
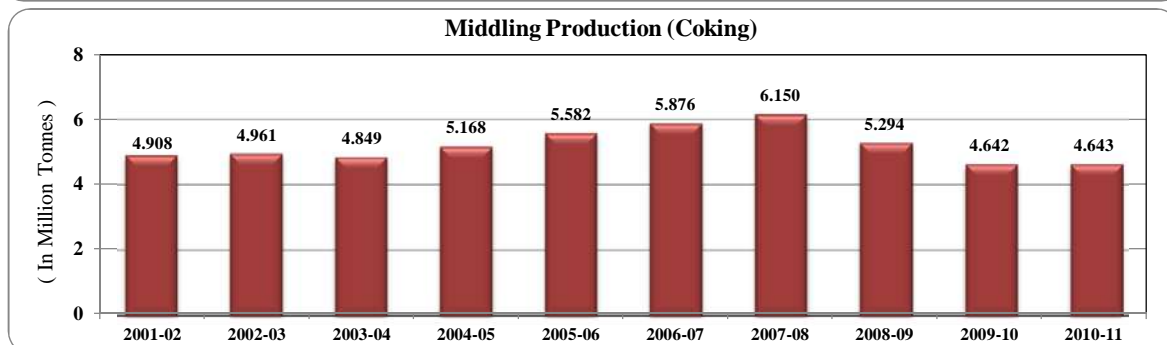
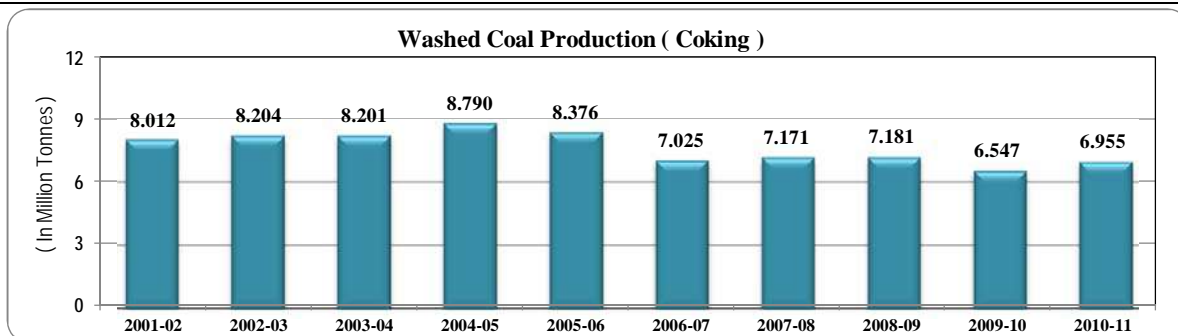


TABLE 3.3: TRENDS OF PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS
(Million Tonnes)

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)
2001-02	8.012	-7.3			4.908	-21.8			13.558	1.3
2002-03	8.204	2.4			4.961	1.1			13.917	2.6
2003-04	8.201	0.0			4.849	-2.3			13.121	-5.7
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	14.531	4.1	4.643	0.0	3.589	10.0	10.839	-14.4



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 AND LIGNITE IN LAST THREE YEARS

(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)
2008-09												
April-June	6.771	-2.5	19.5	99.895	8.8	21.8	106.666	8.0	21.6	8.873	-2.4	27.4
July-Sept.	6.257	1.2	18.0	94.969	7.7	20.7	101.226	7.3	20.5	6.588	-8.2	20.3
Oct-Dec.	9.457	15.0	27.2	122.702	9.2	26.8	132.159	9.6	26.8	6.589	-11.2	20.3
Jan-Mar.	12.324	-6.0	35.4	140.382	7.7	30.7	152.706	6.5	31.0	10.371	0.7	32.0
TOTAL	34.809	1.0	100.0	457.948	8.4	100.0	492.757	7.8	100.0	32.421	-4.6	100.0
2009-10												
April-June	9.260	36.8	20.8	110.943	11.1	22.8	120.203	12.7	22.6	9.414	6.1	27.6
July-Sept.	9.288	48.4	20.9	101.988	7.4	20.9	111.276	9.9	20.9	7.247	10.0	21.3
Oct-Dec.	11.129	17.7	25.1	126.079	2.8	25.9	137.208	3.8	25.8	7.660	16.3	22.5
Jan-Mar.	14.736	19.6	33.2	148.619	5.9	30.5	163.355	7.0	30.7	9.750	-6.0	28.6
TOTAL	44.413	27.6	100.0	487.629	6.5	100.0	532.042	8.0	100.0	34.071	5.1	100.0
2010-11												
April-June	11.053	19.4	22.3	109.354	-1.4	22.6	120.407	0.2	22.6	10.872	15.5	28.8
July-Sept.	10.476	12.8	21.1	102.216	0.2	21.2	112.692	1.3	21.2	7.606	5.0	20.2
Oct-Dec.	12.866	15.6	26.0	127.174	0.9	26.3	140.040	2.1	26.3	8.019	4.7	21.3
Jan-Mar.	15.152	2.8	30.6	144.403	-2.8	29.9	159.555	-2.3	30.0	11.236	15.2	29.8
TOTAL	49.547	11.6	100.0	483.147	-0.9	100.0	532.694	0.1	100.0	37.733	10.7	100.0

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

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

Cont....

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

(Million Tonnes)															
Year & Quarter	Washed Coal(Coking)			Washed Coal(Non-coking)			Middling(Coking)			Middling(Non-Coking)			Hard Coke		
	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)
2008-09															
April-June	1.740	-1.5	24.2	3.044	3.6	22.5	1.386	-7.8	26.2	0.734	-9.4	22.5	3.080	-2.6	24.4
July-Sept.	1.740	7.1	24.2	2.937	-2.9	21.7	1.276	-10.9	24.1	0.774	-4.1	23.7	3.267	6.2	25.9
Oct-Dec.	1.780	0.4	24.8	3.718	13.5	27.4	1.335	-17.7	25.2	0.916	6.8	28.1	3.309	2.6	26.2
Jan-Mar.	1.921	-4.3	26.8	3.851	11.7	28.4	1.297	-18.5	24.5	0.840	4.9	25.7	2.963	-3.8	23.5
TOTAL	7.181	0.1	100.0	13.550	6.8	100.0	5.294	-13.9	100.0	3.264	-0.4	100.0	12.619	0.6	100.0
2009-10															
April-June	1.557	-10.5	23.8	3.049	0.2	21.8	1.205	-13.1	25.8	0.734	0.0	22.5	2.990	-2.9	23.6
July-Sept.	1.518	-12.8	23.2	3.285	11.8	23.5	1.173	-8.1	25.1	0.774	0.0	23.7	3.127	-4.3	24.7
Oct-Dec.	1.715	-3.7	26.2	3.772	1.5	27.0	1.180	-11.6	25.3	0.916	0.0	28.1	3.285	-0.7	25.9
Jan-Mar.	1.757	-8.5	26.8	3.857	0.2	27.6	1.114	-14.1	23.8	0.840	0.0	25.7	3.261	10.1	25.8
TOTAL	6.547	-8.8	100.0	13.963	3.0	100.0	4.672	-11.7	100.0	3.264	0.0	100.0	12.663	0.3	100.0
2010-11															
April-June	1.753	12.6	25.2	3.129	2.6	21.5	1.136	-5.7	24.5	0.985	34.2	27.4	2.681	-10.3	24.7
July-Sept.	1.781	17.3	25.6	3.599	9.6	24.8	1.024	-12.7	22.1	0.990	27.9	27.6	2.652	-15.2	24.5
Oct-Dec.	1.736	1.2	25.0	3.682	-2.4	25.3	1.155	-2.1	24.9	0.795	-13.2	22.2	2.799	-14.8	25.8
Jan-Mar.	1.685	-4.1	24.2	4.122	6.9	28.4	1.328	19.2	28.6	0.819	-2.5	22.8	2.707	-17.0	25.0
TOTAL	6.955	6.2	100.0	14.532	4.1	100.0	4.643	-0.6	100.0	3.589	10.0	100.0	10.839	-14.4	100.0

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

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

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

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

TABLE 3.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN 2010-11

(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)
2010-11												
Apr-10	3.489	12.0	7.0	36.011	-2.3	7.45	39.500	-1.2	7.4	3.794	19.2	10.1
May-10	3.779	21.4	7.6	36.954	-1.1	7.65	40.733	0.6	7.6	3.632	10.4	9.6
Jun-10	3.785	24.9	7.6	36.389	-0.9	7.5	40.174	1.1	7.5	3.446	17.1	9.1
1st Quarter	11.053	19.4	22.3	109.354	-1.4	22.6	120.407	0.2	22.6	10.872	15.5	28.8
Jul-10	3.373	5.6	6.8	34.637	4.4	7.2	38.010	4.5	7.1	2.587	8.8	6.9
Aug-10	3.673	15.7	7.4	34.771	-0.1	7.2	38.444	1.3	7.2	2.570	7.6	6.8
Sep-10	3.430	17.5	6.9	32.808	-3.6	6.8	36.238	-1.9	6.8	2.449	-1.3	6.5
2nd Quarter	10.476	12.8	21.1	102.216	0.2	21.2	112.692	1.3	21.2	7.606	5.0	20.2
Oct-10	3.972	17.9	8.0	39.986	1.1	8.3	43.958	2.4	8.3	2.537	-1.0	6.7
Nov-10	4.176	13.8	8.4	41.563	-0.2	8.6	45.739	0.9	8.6	2.476	14.2	6.6
Dec-10	4.718	15.3	9.5	45.625	1.7	9.4	50.343	2.8	9.5	3.006	2.6	8.0
3rd Quarter	12.866	15.6	26.0	127.174	0.9	26.3	140.040	2.1	26.3	8.019	4.7	21.3
Jan-11	4.510	12.8	9.1	46.859	-2.4	9.7	51.369	-1.3	9.6	3.680	12.4	9.8
Feb-11	4.521	3.1	9.1	43.094	-6.0	8.9	47.615	-5.2	8.9	3.623	15.8	9.6
Mar-11	6.121	-3.7	12.4	54.450	-0.5	11.3	60.571	-0.9	11.4	3.933	17.6	10.4
4th Quarter	15.152	2.8	30.6	144.403	-2.8	29.9	159.555	-2.3	30.0	11.236	15.2	29.8
2010-11	49.547	11.6	100.0	483.147	-0.9	100.0	532.694	0.1	100.0	37.733	10.7	100.0

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

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

Cont....

TABLE 3.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN 2010-11

(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)
2010-11															
Apr-10	0.601	8.3	8.6	1.108	18.0	7.6	0.381	4.4	8.2	0.340	36.0	9.5	0.888	-11.5	8.2
May-10	0.572	11.1	8.2	0.887	-16.8	6.1	0.385	-10.0	8.3	0.331	37.9	9.2	0.912	-12.9	8.4
Jun-10	0.580	19.1	8.3	1.134	8.6	7.8	0.370	-10.2	8.0	0.314	28.7	8.7	0.881	-6.3	8.1
1st Quarter	1.753	12.6	25.2	3.129	2.6	21.5	1.136	-5.7	24.5	0.985	34.2	27.4	2.681	-10.3	24.7
Jul-10	0.584	16.3	8.4	1.210	6.4	8.3	0.359	-8.4	7.7	0.336	37.1	9.4	0.890	-16.4	8.2
Aug-10	0.616	16.0	8.9	1.236	11.5	8.5	0.345	-15.0	7.4	0.329	34.8	9.2	0.891	-18.5	8.2
Sep-10	0.581	19.8	8.4	1.153	11.0	7.9	0.320	-14.7	6.9	0.325	14.0	9.1	0.871	-10.1	8.0
2nd Quarter	1.781	17.3	25.6	3.599	9.6	24.8	1.024	-12.7	22.1	0.990	27.9	27.6	2.652	-15.2	24.5
Oct-10	0.625	13.6	9.0	1.294	3.9	8.9	0.371	-4.1	8.0	0.274	-14.4	7.6	0.942	-14.2	8.7
Nov-10	0.589	3.3	8.5	1.254	0.4	8.6	0.369	-9.1	7.9	0.298	1.0	8.3	0.914	-15.1	8.4
Dec-10	0.522	-12.3	7.5	1.134	-11.3	7.8	0.415	7.2	8.9	0.223	-25.9	6.2	0.943	-15.0	8.7
3rd Quarter	1.736	1.2	25.0	3.682	-2.4	25.3	1.155	-2.1	24.9	0.795	-13.2	22.2	2.799	-14.8	25.8
Jan-11	0.544	-4.1	7.8	1.367	0.5	9.4	0.458	20.8	9.9	0.215	-27.1	6.0	0.930	-18.0	8.6
Feb-11	0.544	-1.3	7.8	1.255	6.3	8.6	0.397	15.7	8.6	0.282	2.5	7.9	0.838	-15.1	7.7
Mar-11	0.597	-6.6	8.6	1.500	14.0	10.3	0.473	20.7	10.2	0.322	19.3	9.0	0.939	-17.6	8.7
4th Quarter	1.685	-4.1	24.2	4.122	6.9	28.4	1.328	19.2	28.6	0.819	-2.5	22.8	2.707	-17.0	25.0
2010-11	6.955	6.2	100.0	14.532	4.1	100.0	4.643	-0.6	100.0	3.589	10.0	100.0	10.839	-14.4	100.0

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

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

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

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

TABLE 3.6 : SHARE OF RAW COAL PRODUCTION BY STATES IN LAST TEN YEARS
(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)
2001-02	30.811	9.4	1.8	0.640	0.2	-3.0	53.621	16.4	135.1
2002-03	33.236	9.7	7.9	0.633	0.2	-1.1	56.758	16.6	5.9
2003-04	33.854	9.4	1.9	0.733	0.2	15.8	61.505	17.0	8.4
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		1.101	0.2		113.825	21.4	3.5

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)
2001-02	0.035	0.0	6.1	76.813	23.4	129.2	44.156	13.5	-36.9
2002-03	0.025	0.0	-28.6	78.628	23.0	2.4	45.736	13.4	3.6
2003-04	0.019	0.0	-24.0	79.526	22.0	1.1	49.826	13.8	8.9
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

Year	State: Maharashtra			State: Meghalaya		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)
2001-02	30.830	9.4	7.2	5.149	1.6	21.1
2002-03	31.359	9.2	1.7	4.406	1.3	-16.9
2003-04	32.912	9.1	5.0	5.439	1.5	19.0
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

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.

(Million Tonnes)

Year	State: Orissa			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)
2001-02	47.805	14.6	6.7	16.533	5.0	-2.0	21.394	6.5	6.4
2002-03	52.229	15.3	9.3	17.783	5.2	7.6	20.479	6.0	-4.3
2003-04	60.147	16.6	15.2	15.791	4.4	-11.2	21.494	5.9	5.0
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
Year	State: Arunachal Pradesh						Year	ALL INDIA	
	Quantity	Share (%)	Growth (%)					Quantity	Growth (%)
(41)	(42)	(43)	(44)				(45)	(46)	(47)
2001-02							2001-02	327.787	4.5
2002-03							2002-03	341.272	4.1
2003-04							2003-04	361.246	5.9
2004-05							2004-05	382.615	5.9
2005-06							2005-06	407.039	6.4
2006-07							2006-07	430.832	5.8
2007-08	0.079	0.0	0.0				2007-08	457.082	6.1
2008-09	0.142	0.0	79.7				2008-09	492.757	7.8
2009-10	0.251	0.0	76.8				2009-10	532.042	8.0
2010-11	0.299	0.1	19.1				2010-11	532.694	0.1

TABLE 3.7 : SHARE OF LIGNITE PRODUCTION BY STATES IN LAST TEN YEARS.

(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)
2001-02	18.369	74.0	1.1	6.167	24.9	5.3	0.277	1.1	27.6
2002-03	18.624	71.6	1.4	6.921	26.6	12.2	0.473	1.8	70.8
2003-04	20.556	73.5	10.4	6.724	24.1	-2.8	0.678	2.4	43.3
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

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
2001-02	24.813	2.3
2002-03	26.018	4.9
2003-04	27.958	7.5
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

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

[Million tonnes]									
Company	2008-09			2009-10			2010-11		
	Coking	Non-coking	Total	Coking	Non-coking	Total	Coking	Non-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.048	28.087	28.135	0.062	29.996	30.058	0.046	30.757	30.803
BCCL	13.080	12.434	25.514	19.161	8.351	27.512	25.283	3.721	29.004
CCL	12.538	30.698	43.236	16.209	30.874	47.083	15.435	32.086	47.521
NCL	0	63.650	63.650	0	67.670	67.670		66.253	66.253
WCL	0.730	43.970	44.700	0.545	45.190	45.735	0.403	43.251	43.654
SECL	0.146	101.004	101.150	0.150	107.859	108.009	0.163	112.542	112.705
MCL	0	96.336	96.336	0	104.079	104.079	0	100.280	100.280
NEC	0	1.009	1.009	0	1.113	1.113	0	1.101	1.101
CIL	26.542	377.188	403.730	36.127	395.132	431.259	41.330	389.991	431.321
SCCL	0	44.546	44.546	0	50.429	50.429	0	51.333	51.333
JKML	0	0.011	0.011	0	0.023	0.023	0	0.024	0.024
JSMDC	0	0.401	0.401	0	0.461	0.461	0	0.399	0.399
DVC	0.267	0	0.267	0.141	0.000	0.141	0.311	0	0.311
IISCO	0.738	0.280	1.018	0.932	0.366	1.298	0.855	0.227	1.082
APMDTCL	0	0.142	0.142	0	0.251	0.251		0.299	0.299
SAIL	0	0	0	0	0.063	0.063	0.014	0.000	0.014
WBPDC	0	0	0	0	0.115	0.115	0	0.257	0.257
DVC EMTA	0	0	0	0	0	0.000	0	0.021	0.021
Total Public	27.547	422.568	450.115	37.200	446.840	484.040	42.510	442.551	485.061
BECML	0	4.139	4.139	0	3.303	3.303	0	2.876	2.876
ICML	0	2.984	2.984	0	3.213	3.213	0	2.929	2.929
JSPL	0	5.998	5.998	0	5.999	5.999	0	5.999	5.999
HIL	0	2.066	2.066	0	2.330	2.330	0	2.285	2.285
Meghalaya	0	5.489	5.489	0	5.767	5.767	0	6.974	6.974
TSL	7.249	0.033	7.282	7.158	0.052	7.210	7.003	0.023	7.026
MIL	0	0.989	0.989	0	1.000	1.000	0	0.952	0.952
BLA	0	0.236	0.236	0	0.299	0.299	0	0.297	0.297
CML	0	0	0.000	0	0.000	0.000	0	0	0.000
PANEM	0	6.175	6.175	0	8.476	8.476	0	8.031	8.031
PIL	0	0.919	0.919	0	1.000	1.000	0	1.000	1.000
JNL	0	0.396	0.396	0	0.560	0.560	0	0.406	0.406
JPL	0	4.893	4.893	0	6.045	6.045	0	5.688	5.688
SIL	0	0.051	0.051	0	0.140	0.140	0	0.114	0.114
ESCL	0.013	0	0.013	0.055	0	0.055	0.034	0	0.034
UML	0	0.013	0.013	0	0.062	0.062	0	0.300	0.300
KEMTA	0	0.991	0.991	0	2.252	2.252	0	2.275	2.275
SEML	0	0.008	0.008	0	0.291	0.291	0	0.432	0.432
BS ISPAT	0	0	0	0	0	0.000	0	0.015	0.015
Total Private	7.262	35.380	42.642	7.213	40.789	48.002	7.037	40.596	47.633
ALL INDIA	34.809	457.948	492.757	44.413	487.629	532.042	49.547	483.147	532.694
LIGNITE									
NLC			21.31			22.34			23.144
GMDCL			8.11			8.37			10.232
GIPCL			1.72			1.84			2.521
RSMML			1.00			1.21			0.883
GHCL			0.28			0.32			0.311
VS LIGNITE									0.642
ALL INDIA			32.42			34.07			37.733
COAL & LIGNITE			525.18			566.11			570.427

TABLE 3.8 : TRENDS OF PRODUCTION OF RAW COAL & LIGNITE BY COMPANIES DURING LAST FIVE YEARS

(Million Tonnes)

Company	2006-07		2007-08		2008-09		2009-10		2010-11	
	Production	% of All India	Production	% of All India	Production	% of All India	Production	% of All India	Production	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
COAL :										
ECL	30.466	7.1	24.059	5.3	28.135	5.7	30.058	5.6	30.803	5.8
BCCL	24.205	5.6	25.215	5.5	25.514	5.2	27.512	5.2	29.004	5.4
CCL	41.319	9.6	44.146	9.7	43.236	8.8	47.083	8.8	47.521	8.9
NCL	52.158	12.1	59.623	13.0	63.650	12.9	67.670	12.7	66.253	12.4
WCL	43.212	10.0	43.512	9.5	44.700	9.1	45.735	8.6	43.654	8.2
SECL	88.502	20.5	93.791	20.5	101.150	20.5	108.009	20.3	112.705	21.2
MCL	80.001	18.6	88.012	19.3	96.336	19.6	104.079	19.6	100.280	18.8
NEC	1.050	0.2	1.101	0.2	1.009	0.2	1.113	0.2	1.101	0.2
CIL	360.913	83.8	379.459	83.0	403.730	81.9	431.259	81.1	431.321	81.0
SCCL	37.707	8.8	40.604	8.9	44.546	9.0	50.429	9.5	51.333	9.6
JKML	0.016	0	0.017	0	0.011	0	0.023	0	0.024	0.0
JSMDCL	0.677	0.2	0.601	0.1	0.401	0.1	0.461	0.1	0.399	0.1
DVC	0.385	0.1	0.385	0.1	0.267	0.1	0.141	0	0.311	0.1
IISCO	0.695	0.2	1.021	0.2	1.018	0.2	1.298	0.2	1.082	0.2
APMDTCL			0.079	0	0.142	0	0.251	0	0.299	0.1
SAIL							0.063	0	0.014	0.0
WBPDCCL							0.115	0	0.257	0.0
DVC EMTA							0	0	0.021	0.0
Total Public	400.393	92.9	422.166	92.3	450.115	91.3	484.040	90.9	485.061	91.1
BECML	4.765	1.1	4.229	0.9	4.139	0.8	3.303	0.6	2.876	0.5
ICML	2.546	0.6	2.754	0.6	2.984	0.6	3.213	0.6	2.929	0.5
JSPL	5.968	1.4	5.994	1.3	5.998	1.2	5.999	1.1	5.999	1.1
HIL	1.159	0.3	1.470	0.3	2.066	0.4	2.330	0.4	2.285	0.4
Meghalaya	5.787	1.3	6.541	1.4	5.489	1.1	5.767	1.1	6.974	1.3
TSL	7.041	1.6	7.209	1.6	7.282	1.5	7.210	1.4	7.026	1.3
MIL	0.668	0.2	0.835	0.2	0.989	0.2	1.000	0.2	0.952	0.2
BLA	0.218	0.1	0.329	0.1	0.236	0.0	0.299	0.1	0.297	0.1
CML	0.000	0.0	0.000	0.0	0.000	0.0	0.000	0.0	0.000	0.0
PANEM	1.603	0.4	3.797	0.8	6.175	1.3	8.476	1.6	8.031	1.5
PIL	0.625	0.1	0.900	0.2	0.919	0.2	1.000	0.2	1.000	0.2
JNL	0.059	0.0	0.279	0.1	0.396	0.1	0.560	0.1	0.406	0.1
JPL			0.578	0.1	4.893	1.0	6.045	1.1	5.688	1.1
SIL			0.001	0.0	0.051	0.0	0.140	0.0	0.114	0.0
ESCL					0.013	0.0	0.055	0.0	0.034	0.0
UML					0.013	0.0	0.062	0.0	0.300	0.1
KEMTA					0.991	0.2	2.252	0.4	2.275	0.4
SEML					0.008	0.0	0.291	0.1	0.432	0.1
BS ISPAT							0	0	0.015	0.0
Total Private	30.439	7.1	34.916	7.6	42.642	8.7	48.002	9.0	47.633	8.9
ALL INDIA	430.832	100.0	457.082	100.0	492.757	100.0	532.042	99.9	532.694	100.0
LIGNITE										
NLC	21.014	67.2	21.586	63.5	21.308	65.7	22.338	65.6	23.144	61.3
GMDCL	7.989	25.5	9.967	29.3	8.111	25.0	8.374	24.6	10.232	27.1
GIPCL	1.66	5.3	1.730	5.1	1.720	5.3	1.836	5.4	2.521	6.7
RSMML	0.463	1.5	0.606	1.8	0.999	3.1	1.207	3.5	0.883	2.3
GHCL	0.159	0.5	0.091	0.3	0.283	0.9	0.316	0.9	0.311	0.8
VS LIGNITE									0.642	1.7
ALL INDIA	31.285	100.0	33.980	100.0	32.421	100.0	34.071	100.0	37.733	100.0
COAL & LIGNITE	462.117		491.062		525.178		566.113		570.427	

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

[Million tonnes]

Company	2008-09			2009-10			2010-11		
	Coking	Non-coking	Total	Coking	Non-coking	Total	Coking	Non-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.048	28.087	28.135	0.062	29.996	30.058	0.046	30.757	30.803
BCCL	13.080	12.434	25.514	19.161	8.351	27.512	25.283	3.721	29.004
CCL	12.538	30.698	43.236	16.209	30.874	47.083	15.435	32.086	47.521
NCL	0	63.650	63.650	0	67.670	67.670		66.253	66.253
WCL	0.730	43.970	44.700	0.545	45.190	45.735	0.403	43.251	43.654
SECL	0.146	101.004	101.150	0.150	107.859	108.009	0.163	112.542	112.705
MCL	0	96.336	96.336	0	104.079	104.079	0	100.280	100.280
NEC	0	1.009	1.009	0	1.113	1.113	0	1.101	1.101
CIL	26.542	377.188	403.730	36.127	395.132	431.259	41.330	389.991	431.321
SCCL	0	44.546	44.546	0	50.429	50.429	0	51.333	51.333
JKML	0	0.011	0.011	0	0.023	0.023	0	0.024	0.024
JSMDCL	0	0.401	0.401	0	0.461	0.461	0	0.399	0.399
DVC	0.267	0	0.267	0.141	0.000	0.141	0.311	0	0.311
IISCO	0.738	0.280	1.018	0.932	0.366	1.298	0.855	0.227	1.082
APMDTCL	0	0.142	0.142	0	0.251	0.251		0.299	0.299
SAIL	0	0	0	0	0.063	0.063	0.014	0.000	0.014
WBPDCCL	0	0	0	0	0.115	0.115	0	0.257	0.257
DVC EMTA	0	0	0	0	0	0.000	0	0.021	0.021
Total Public	27.547	422.568	450.115	37.200	446.840	484.040	42.510	442.551	485.061
BECML	0	4.139	4.139	0	3.303	3.303	0	2.876	2.876
ICML	0	2.984	2.984	0	3.213	3.213	0	2.929	2.929
JSPL	0	5.998	5.998	0	5.999	5.999	0	5.999	5.999
HIL	0	2.066	2.066	0	2.330	2.330	0	2.285	2.285
Meghalaya	0	5.489	5.489	0	5.767	5.767	0	6.974	6.974
TSL	7.249	0.033	7.282	7.158	0.052	7.210	7.003	0.023	7.026
MIL	0	0.989	0.989	0	1.000	1.000	0	0.952	0.952
BLA	0	0.236	0.236	0	0.299	0.299	0	0.297	0.297
CML	0	0	0.000	0	0.000	0.000	0	0	0.000
PANEM	0	6.175	6.175	0	8.476	8.476	0	8.031	8.031
PIL	0	0.919	0.919	0	1.000	1.000	0	1.000	1.000
JNL	0	0.396	0.396	0	0.560	0.560	0	0.406	0.406
JPL	0	4.893	4.893	0	6.045	6.045	0	5.688	5.688
SIL	0	0.051	0.051	0	0.140	0.140	0	0.114	0.114
ESCL	0.013	0	0.013	0.055	0	0.055	0.034	0	0.034
UML	0	0.013	0.013	0	0.062	0.062	0	0.300	0.300
KEMTA	0	0.991	0.991	0	2.252	2.252	0	2.275	2.275
SEML	0	0.008	0.008	0	0.291	0.291	0	0.432	0.432
BS ISPAT	0	0	0	0	0	0.000	0	0.015	0.015
Total Private	7.262	35.380	42.642	7.213	40.789	48.002	7.037	40.596	47.633
ALL INDIA	34.809	457.948	492.757	44.413	487.629	532.042	49.547	483.147	532.694
LIGNITE									
NLC			21.31			22.34			23.144
GMDCL			8.11			8.37			10.232
GIPCL			1.72			1.84			2.521
RSMML			1.00			1.21			0.883
GHCL			0.28			0.32			0.311
VS LIGNITE									0.642
ALL INDIA			32.42			34.07			37.733
COAL & LIGNITE			525.18			566.11			570.427

TABLE 3.9: STATEWISE PRODUCTION OF RAW COAL BY TYPES IN LAST FIVE YEARS
(Million Tonnes)

State	2006-2007	2007-2008	2008-2009	2009-2010	2010-11
(1)	(2)	(3)	(4)	(5)	(6)
COKING					
Chhattisgarh	0.157	0.159	0.146	0.150	0.163
Jharkhand	31.098	33.566	33.877	43.666	48.945
Madhya Pradesh	0.775	0.676	0.730	0.545	0.403
West Bengal	0.067	0.054	0.056	0.052	0.036
Total Coking	32.097	34.455	34.809	44.413	49.547
NON-COKING					
Andhra Pradesh	37.707	40.604	44.546	50.429	51.333
Arunachal Pradesh	0	0.079	0.142	0.251	0.299
Assam	1.050	1.101	1.009	1.113	1.101
Chhattisgarh	83.084	90.013	101.776	109.803	113.661
Jammu & Kashmir	0.016	0.017	0.011	0.023	0.024
Jharkhand	57.666	57.329	62.395	62.251	60.004
Madhya Pradesh	58.951	67.165	70.595	73.529	70.701
Maharashtra	36.215	36.403	38.705	41.005	39.336
Meghalaya	5.787	6.541	5.489	5.767	6.974
Orissa	81.160	89.482	98.402	106.409	102.565
Uttar Pradesh	12.228	11.426	12.029	13.968	15.526
West Bengal	24.871	22.467	22.849	23.081	21.623
Total Non-Coking	398.735	422.627	457.948	487.629	483.147

TABLE 3.10: STATEWISE PRODUCTION OF LIGNITE IN LAST FIVE YEARS

Million Tonnes					
State	2006-2007	2007-2008	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)
Tamilnadu	21.014	21.586	21.308	22.338	23.144
Gujarat	9.808	11.788	10.114	10.526	13.064
Rajasthan	0.463	0.606	0.999	1.207	1.525
TOTAL	31.285	33.980	32.421	34.071	37.733

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

[Million Tonnes]

STATES	COAL COMPANY	2008-2009			2009-2010			2010-2011		
		Coking	Non Coking	Total	Coking	Non Coking	Total	Coking	Non Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	SCCL		44.546	44.546		50.429	50.429		51.333	51.333
Arunachal Pradesh	APMDTCL		0.142	0.142		0.251	0.251		0.299	0.299
Assam	NEC		1.009	1.009		1.113	1.113		1.101	1.101
Chhattisgarh	SECL	0.146	88.573	88.719	0.150	94.908	95.058	0.163	99.184	99.347
Chhattisgarh	JSPL		5.998	5.998		5.999	5.999		5.999	5.999
Chhattisgarh	MIL		0.989	0.989		1.000	1.000		0.952	0.952
Chhattisgarh	PIL		0.919	0.919		1.000	1.000		1.000	1.000
Chhattisgarh	JPL		4.893	4.893		6.045	6.045		5.688	5.688
Chhattisgarh	JNL		0.396	0.396		0.560	0.560		0.406	0.406
Chhattisgarh	SEML		0.008	0.008		0.291	0.291		0.432	0.432
Chhattisgarh	TOTAL	0.146	101.776	101.922	0.150	109.803	109.953	0.163	113.661	113.824
Jammu & Kashmir	JKML		0.011	0.011		0.023	0.023		0.024	0.024
Jharkhand	ECL	0.025	12.727	12.752	0.045	13.940	13.985	0.039	15.444	15.483
Jharkhand	BCCL	13.047	12.338	25.385	19.126	8.323	27.449	25.254	3.721	28.975
Jharkhand	CCL	12.538	30.698	43.236	16.209	30.874	47.083	15.435	32.086	47.521
Jharkhand	JSMDCL		0.401	0.401		0.461	0.461		0.399	0.399
Jharkhand	DVC	0.267		0.267	0.141		0.141	0.311		0.311
Jharkhand	IISCOCJ	0.738	0.010	0.748	0.932		0.932	0.855		0.855
Jharkhand	TSL	7.249	0.033	7.282	7.158	0.052	7.210	7.003	0.023	7.026
Jharkhand	CML			0.000			0.000			0
Jharkhand	PANEM		6.175	6.175		8.476	8.476		8.031	8.031
Jharkhand	UML		0.013	0.013		0.062	0.062		0.300	0.300
Jharkhand	ESCL	0.013		0.013	0.055		0.055	0.034		0.034
Jharkhand	SAIL					0.063	0.063	0.014		0.014
Jharkhand	TOTAL	33.877	62.395	96.272	43.666	62.251	105.917	48.945	60.004	108.949
Madhya Pradesh	NCL		51.621	51.621		53.702	53.702		50.727	50.727
Madhya Pradesh	WCL	0.730	6.307	7.037	0.545	6.577	7.122	0.403	6.319	6.722
Madhya Pradesh	SECL		12.431	12.431		12.951	12.951		13.358	13.358
Madhya Pradesh	BLA		0.236	0.236		0.299	0.299		0.297	0.297
Madhya Pradesh	TOTAL	0.730	70.595	71.325	0.545	73.529	74.074	0.403	70.701	71.104
Maharashtra	WCL		37.663	37.663		38.613	38.613		36.932	36.932
Maharashtra	SIL		0.051	0.051		0.140	0.140		0.114	0.114
Maharashtra	BS ISPAT								0.015	0.015
Maharashtra	KEMTA		0.991	0.991		2.252	2.252		2.275	2.275
Maharashtra	TOTAL	0.000	38.705	38.705	0.000	41.005	41.005	0.000	39.336	39.336
Meghalaya	MEG		5.489	5.489		5.767	5.767		6.974	6.974
Orissa	MCL		96.336	96.336		104.079	104.079		100.280	100.280
Orissa	HIL		2.066	2.066		2.330	2.330		2.285	2.285
Orissa	TOTAL		98.402	98.402		106.409	106.409		102.565	102.565
Uttar Pradesh	NCL		12.029	12.029		13.968	13.968		15.526	15.526
West Bengal	ECL	0.023	15.360	15.383	0.017	16.056	16.073	0.007	15.313	15.320
West Bengal	BCCL	0.033	0.096	0.129	0.035	0.028	0.063	0.029	0	0.029
West Bengal	IISCOR		0.270	0.270		0.366	0.366		0.227	0.227
West Bengal	BECML		4.139	4.139		3.303	3.303		2.876	2.876
West Bengal	ICML		2.984	2.984		3.213	3.213		2.929	2.929
West Bengal	WBPDCCL					0.115	0.115		0.257	0.257
West Bengal	DVC EMTA								0.021	0.021
West Bengal	TOTAL	0.056	22.849	22.905	0.052	23.081	23.133	0.036	21.623	21.659
Total Public		27.547	422.568	450.115	37.200	446.840	484.040	42.510	442.551	485.061
Total Private	TOTAL	7.262	35.380	42.642	7.213	40.789	48.002	7.037	40.596	47.633
All India		34.809	457.948	492.757	44.413	487.629	532.042	49.547	483.147	532.694

TABLE 3.12: COMPANYWISE PRODUCTION OF DIFFERENT COAL PRODUCTS IN LAST THREE YEARS
(Thousand Tonnes)

YEAR	Companies	Washed Coal (Ckg)	Middling (Ckg washery)	Hard Coke	CIL Coke	Coke Fines	Coal gas (Mill. NM3)	Coal fines
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2008-09	BCCL	1605.0	994.0					
	CCL	1709.0	1233.0					
	WCL	365.0	254.0					
	DCC				18.2	106.8	58.7	177.9
	SAIL	577.0	128.0	8645.0				
	RINL (Est)			2034.0				
	TISCO	2925.0	2685.0	1940.0				
	TOTAL	7181.0	5294.0	12619.0	18.2	106.8	58.7	177.9
2009-10	BCCL	1329.0	874.0					
	CCL	1396.0	1110.0					
	WCL	248.0	190.0					
	DCC				25.8	90.8	54.9	156.4
	SAIL	526.0	182.0	8381.0				
	RINL (Est)			2385.0				
	TISCO	3048.0	2316.0	1897.0				
	TOTAL	6547.0	4672.0	12663.0	25.8	90.8	54.9	156.4
2010-11	BCCL	1549.0	872.0					
	CCL	1453.0	1000.0					
	WCL	191.0	139.0					
	DCC				26.4	70.2	5.6	151.2
	SAIL	592.0	247.0	8874.0				
	RINL (Est)			2041.0				
	TISCO	3170.0	2385.0	1965.0				
	TOTAL	6955.0	4643.0	12880.0	26.4	70.2	5.6	151.2

Coke production of RINL is included in this table.

TABLE 3.13: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2010-11
(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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ECL			0.007			0.039			0.007	0.039	0.046
BCCL	0.263	1.558		0.235	1.261	5.031	16.935		4.858	20.425	25.283
CCL					0.088	2.862	12.485		4.555	10.880	15.435
NCL											0
WCL					0.403				0.403	0.000	0.403
SECL			0.163								0.163
MCL											0
NEC											0
CIL	0.263	1.558	0.170	0.235	1.752	7.932	29.420	0.000	9.823	31.507	41.330
SCCL											
JKML											
JSMDCL											
DVC							0.311			0.311	0.311
IISCO						0.084	0.771		0.855	0.000	0.855
APMDTCL											
WBPDCCL											
SAIL							0.014		0.014		0.014
DVC EMTA											
PUBLIC	0.263	1.558	0.170	0.235	1.752	8.016	30.516	0	10.692	31.818	42.510
BECML											
ICML											
JSPL											
HIL											
Meghalaya											
TSL					0.005	2.149	4.849		7.003	0.000	7.003
MIL											
BLA											
CML											
PANEM											
PIL											
JNL											
JPL											
SIL											
ESCL							0.034			0.034	0.034
UML											
KEMTA											
BS ISPAT											
SEML											
PRIVATE	0	0	0	0	0.005	2.149	4.883	0	7.003	0.034	7.037
India (10-11)	0.263	1.558	0.170	0.235	1.757	10.165	35.399	0	17.695	31.852	49.547
India (09-10)	0.109	1.380	0.167	0.297	1.868	10.068	30.524	0	17.731	26.682	44.413
India (08-09)	0.075	0.960	0.169	0.318	1.717	8.090	23.472	0.008	17.303	17.506	34.809

TABLE 3.13: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2010-11
(Million Tonnes)

Companies	PRODUCTION OF NON-COKING COAL										Total Coal	
	A	B	C	D	E	F	G	SLV2	Ungr	Total Non-coking		
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	
ECL	1.010	11.033	3.244	1.485	1.128	12.857					30.757	30.803
BCCL		0.009	2.726	0.986							3.721	29.004
CCL		0.418	2.617	0.141	24.477	4.433					32.086	47.521
NCL		0.809	20.318	7.730	37.396						66.253	66.253
WCL		0.474	3.000	11.543	26.872	1.362					43.251	43.654
SECL	2.747	10.007	9.938	4.978	0.000	84.872					112.542	112.705
MCL		0.210	0.222	1.790	10.528	87.530					100.280	100.280
NEC	1.101										1.101	1.101
CIL	4.858	22.960	42.065	28.653	100.401	191.054					389.991	431.321
SCCL	0.051	0.695	8.155	11.068	16.830	11.775	1.718	0	1.041		51.333	51.333
JKML									0.024		0.024	0.024
JSMDCL						0.399					0.399	0.399
DVC												0.311
IISCO		0.105	0.068						0.054		0.227	1.082
APMDTCL	0.299										0.299	0.299
WBPDCCL		0.257									0.257	0.257
SAIL												0.014
DVC EMTA			0.005	0.016							0.021	0.021
PUBLIC	5.208	24.017	50.293	39.737	117.231	203.228	1.718	0.000	1.119		442.551	485.061
BECML			2.876								2.876	2.876
ICML						2.929					2.929	2.929
JSPL						0.600	5.399				5.999	5.999
HIL						2.285					2.285	2.285
Meghalaya	6.974										6.974	6.974
TSL					0.023						0.023	7.026
MIL				0.457		0.495					0.952	0.952
BLA		0.006	0.003	0.209	0.079						0.297	0.297
CML											0	0
PANEM			2.409	4.016	1.205	0.401					8.031	8.031
PIL				1.000							1.000	1.000
JNL				0.291		0.115					0.406	0.406
JPL						2.217	3.471				5.688	5.688
SIL					0.114						0.114	0.114
ESCL											0	0.034
UML					0.300						0.300	0.300
KEMTA					2.275						2.275	2.275
SEML						0.408	0.024				0.432	0.432
BS ISPAT						0.015					0.015	0.015
PRIVATE	6.974	0.006	5.288	5.973	3.996	9.465	8.894	0.000	0.000		40.596	47.633
India (10-11)	12.182	24.023	55.581	45.710	121.227	212.693	10.612	0.000	1.119		483.147	532.694
India (09-10)	10.692	25.827	56.147	50.518	117.855	219.097	7.099	0.000	0.394		487.629	532.042
India (08-09)	9.170	24.854	52.067	48.006	113.001	201.278	9.332	0.000	0.240		457.948	492.757

TABLE 3.14: GRADEWISE PRODUCTION OF COKING COAL AND NON COKING COAL BY STATES IN 2010-11
(Million Tonnes)

Grade	Andhra Pradesh	Arunachal Pradesh	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Madhya Pradesh	Maharashtra	Meghalaya	Orissa	Uttar Pradesh	West Bengal	India (2010-11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Steel-I						0.234						0.029	0.263
Steel-II						1.558							1.558
SC				0.163								0.007	0.170
Wash-I						0.235							0.235
Wash-II						1.354	0.403						1.757
Wash-III						10.165							10.165
Wash-IV						35.399							35.399
SLV1													0.000
Met.Coal						17.256	0.403					0.036	17.695
Non Met	0.000	0.000	0.000	0.163	0.000	31.689	0.000	0.000	0.000	0.000	0.000	0.000	31.852
Tot Ckg.	0.000	0.000	0.000	0.163	0.000	48.945	0.403	0.000	0.000	0.000	0.000	0.036	49.547
A	0.051	0.299	1.101	1.244		0.289	1.503		6.974			0.721	12.182
B	0.695			8.149		0.493	2.807	0.340		0.210		11.329	24.023
C	8.155			3.870		8.929	27.054	2.107		0.222	0.228	5.016	55.581
D	11.068			2.797		5.970	8.867	8.676		1.790	5.868	0.674	45.710
E	16.830			0.000		26.233	30.470	26.836		10.528	9.430	0.900	121.227
F	11.775			88.707		18.090		1.377		89.815		2.929	212.693
G	1.718			8.894									10.612
SLV2													0.000
Ungr	1.041				0.024							0.054	1.119
Tot. Nckg	51.333	0.299	1.101	113.661	0.024	60.004	70.701	39.336	6.974	102.565	15.526	21.623	483.147
Total Coal	51.333	0.299	1.101	113.824	0.024	108.949	71.104	39.336	6.974	102.565	15.526	21.659	532.694

Note: (1) Meghalaya / Arunachal Pradesh 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
(Million Tonnes)

Type	Grade	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
PRODUCTION OF COKING COAL	Steel-I	0.213	0.281	0.199	0.147	0.139	0.127	0.083	0.075	0.263	0.263	
	Steel-II	0.543	0.277	0.107	0.106	0.999	0.559	0.282	0.960	1.558	1.558	
	SC-1	0.359	0.211	0.207	0.206	0.192	0.182	0.181	0.169	0.170	0.17	
	Wash-I	0.463	0.519	0.355	0.342	0.249	0.291	0.471	0.318	0.235	0.235	
	Wash-II	3.547	3.874	4.391	3.827	4.641	3.171	2.085	1.717	1.757	1.757	
	Wash-III	5.578	6.178	5.729	7.655	6.039	6.737	7.759	8.090	10.165	10.165	
	Wash-IV	17.965	18.855	18.413	17.837	19.203	20.999	23.568	23.472	35.399	35.399	
	SLV1				0.104	0.050	0.031	0.026	0.008	0	0	
	Met.Coal		17.956	18.353	18.268	18.194	17.123	17.231	18.065	17.301	17.731	17.695
	Non Met		10.712	11.842	11.133	12.030	14.389	14.866	16.390	17.508	26.682	31.852
Total Coking		28.668	30.195	29.401	30.224	31.512	32.097	34.455	34.809	49.547	49.547	
PRODUCTION OF NON - COKING COAL	A	3.460	3.370	3.824	3.929	4.599	4.958	4.901	10.179	12.182	12.182	
	B	22.118	21.867	21.972	22.152	21.723	20.815	21.959	24.854	24.023	24.023	
	C	48.291	47.157	51.942	53.017	50.720	53.059	55.526	51.058	55.581	55.581	
	D	39.697	39.305	41.543	41.544	41.881	42.439	45.721	48.006	45.710	45.710	
	E	69.747	75.586	80.039	85.645	96.175	98.079	102.277	112.993	121.227	121.227	
	F	107.950	115.535	123.299	136.034	148.170	165.673	178.877	201.286	212.693	212.693	
	G	2.291	3.381	3.313	2.401	6.560	7.733	6.590	9.332	10.612	10.612	
	SLV2	0.381	0.445	0.277	0	0	0	0	0	0	0	
	Ungr	5.184	4.431	5.636	7.669	5.700	5.979	6.776	0.240	1.119	1.119	
	Total N-coking		299.119	311.077	331.845	352.391	375.528	398.735	422.627	457.948	483.147	483.147
TOTAL COAL		327.787	341.272	361.246	382.615	407.040	430.832	457.082	492.757	532.694	532.694	

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
(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	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)
2001-02	230.428	17.064	262.971	80.23	6.20	49.218	13.747	64.816	19.77	-1.90	327.787	4.49
2002-03	242.272	20.428	278.113	81.49	5.76	48.416	12.808	63.159	18.51	-2.56	341.272	4.11
2003-04	258.919	20.540	298.493	82.63	7.33	47.445	13.314	62.753	17.37	-0.64	361.246	5.85
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

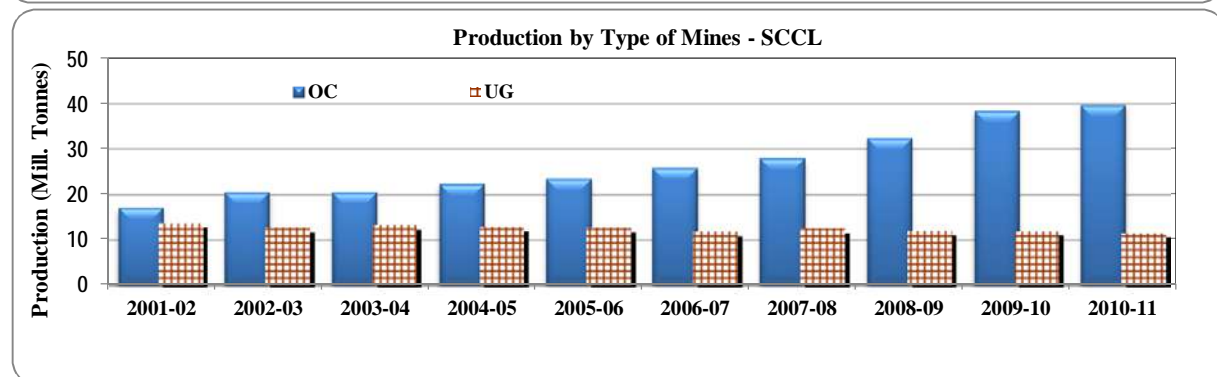
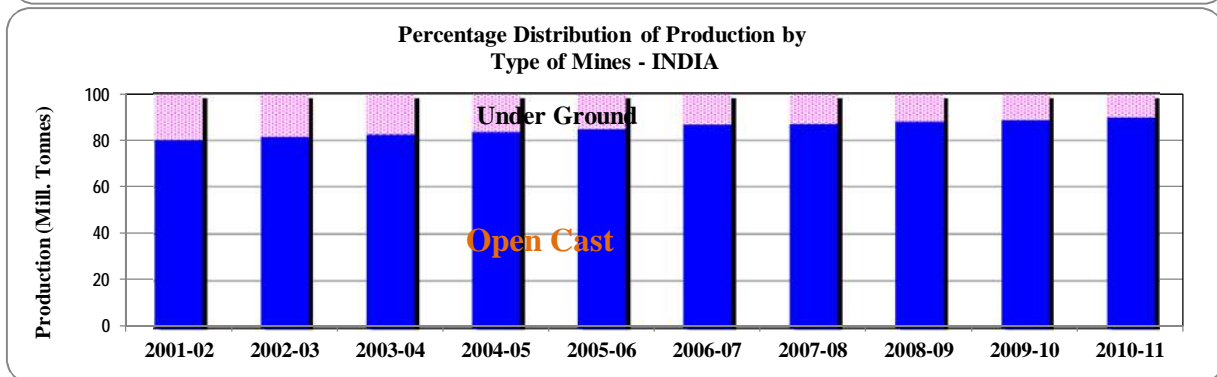
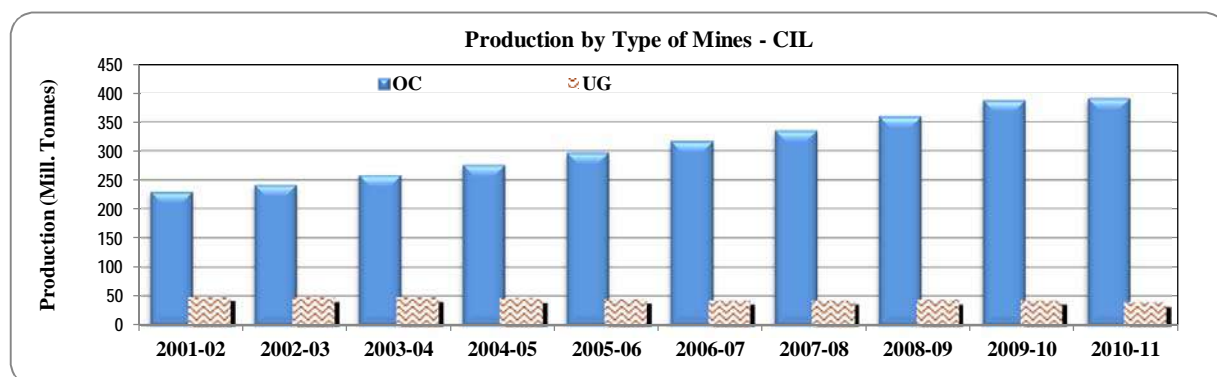


TABLE 3.17 : COMPANY WISE PRODUCTION OF RAW COAL FROM OPENCAST AND UNDER GROUND MINES IN TWO YEARS

COMPANIES	Y E A R 2009 - 2010						Y E A R 2010 - 2011					
	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)	(2)	(3)	(4)	(5)	(6)	(7)
ECL	21.824	72.61	10.54	8.234	27.39	-1.88	23.431	76.07	7.36	7.372	23.93	-10.47
BCCL	23.610	85.82	10.43	3.902	14.18	-5.59	25.308	87.26	7.19	3.696	12.74	-5.28
CCL	45.612	96.88	9.44	1.471	3.12	-5.58	46.247	97.32	1.39	1.274	2.68	-13.39
NCL	67.670	100.00	6.32	0.000			66.253	100.00	-2.09	0	0	
WCL	36.114	78.96	4.42	9.621	21.04	-4.88	34.950	80.06	-3.22	8.704	19.94	-9.53
SECL	90.179	83.49	7.89	17.830	16.51	1.50	95.902	85.09	6.35	16.803	14.91	-5.76
MCL	101.875	97.88	8.16	2.204	2.12	2.51	98.113	97.84	-3.69	2.167	2.16	-1.68
NEC	1.113	100.00	15.46	0.000	0.00	-100.00	1.099	99.82	-1.26	0.002	0.18	
CIL	387.997	89.97	7.85	43.262	10.03	-1.59	391.303	90.72	0.85	40.018	9.28	-7.50
SCCL	38.460	76.27	18.49	11.969	23.73	-0.98	39.705	77.35	3.24	11.628	22.65	-2.85
JKML				0.023	100.00	109.09				0.024	100.00	4.35
JSMDCL	0.461	100.00	14.96	0.000			0.399	100.00	-13.45	0	0	
DVC	0.141	100.00	-47.19	0.000			0.311	100.00	120.57	0	0	
IISCO	0.976	75.19	37.08	0.322	24.81	5.23	0.825	76.25	-15.47	0.257	23.75	-20.19
APMDTCL	0.251	100.00	76.76	0.000			0.299	100.00	19.12	0	0	
WBPDCCL	0.115	100.00		0.000			0.257	100.00	123.48	0	0	
SAIL	0.063	100.00		0.000			0.014	100.00	-77.78	0	0	
DVC EMTA							0.021	100.00		0	0	
PUBLIC	428.464	88.52	8.82	55.576	11.48	-1.40	433.134	89.29	1.09	51.927	10.71	-6.57
BECML	3.303	100.00	-20.20				2.876	100.00	-12.93	0	0	
ICML	3.213	100.00	7.67				2.929	100.00	-8.84	0	0	
JSPL	5.999	100.00	0.02				5.999	100.00	0.00	0	0	
HIL	2.330	100.00	12.78				2.285	100.00	-1.93	0	0	
Meghalaya	5.767	100.00	5.06				6.974	100.00	20.93	0	0	
TSL	5.639	78.21	-0.98	1.571	21.79	-1.01	5.439	77.41	-3.55	1.587	22.59	1.02
MIL				1.000	100.00	1.11				0.952	100.00	-4.80
BLA	0.299	100.00	26.69				0.297	100.00	-0.67	0	0	
CML							0			0	0	
PANEM	8.476	100.00	37.26				8.031	100.00	-5.25	0	0	
PIL	1.000	100.00	8.81				1.000	100.00	0.00	0	0	
JNL	0.324	57.86	-10.74	0.236	42.14	615.15	0.131	32.27	-59.57	0.275	67.73	16.53
JPL	6.045	100.00	23.54	0.000			5.688	100.00	-5.91	0	0	
SIL	0.000	0.00	-100.00	0.140				0.00		0.114	100.00	-18.57
UML	0.062	100.00	376.92				0.300	100.00	383.87	0	0	
KEMTA	2.252	100.00	127.25				2.275	100.00	1.02	0	0	
ESCL	0.055	100.00	323.08				0.034	100.00	-38.18	0	0	
SEML	0.291	100.00	3537.50				0.432	100.00	48.45	0	0	
BS ISPAT							0.015	100.00		0	0	
PRIVATE	45.055	93.86	12.54	2.947	6.14	12.96	44.705	93.85	-0.78	2.928	6.15	-0.64
INDIA	473.519	89.00	9.16	58.523	11.00	-0.76	477.839	89.70	0.91	54.855	10.30	-6.27

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

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 2008 -2009			YEAR 2009 - 2010			YEAR 2010 - 2011		
	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	43.069	19.743	2.18	49.741	21.824	2.28	56.246	23.431	2.40
BCCL	53.600	21.381	2.51	61.634	23.610	2.61	83.226	25.308	3.29
CCL	55.628	41.678	1.33	56.048	45.612	1.23	62.522	46.247	1.35
NCL	202.749	63.650	3.19	177.976	67.670	2.63	182.216	66.253	2.75
WCL	126.659	34.585	3.66	133.965	36.114	3.71	115.824	34.950	3.31
SECL	107.005	83.584	1.28	129.803	90.179	1.44	137.565	95.902	1.43
MCL	51.844	94.186	0.55	66.073	101.875	0.65	88.702	98.113	0.90
NEC	4.404	0.964	4.57	7.230	1.113	6.50	5.810	1.099	5.29
CIL	644.958	359.771	1.79	682.470	387.997	1.76	732.111	391.303	1.87
SCCL	184.922	32.459	5.70	247.049	38.460	6.42	218.310	39.705	5.50
JKML					0.000				
JSMDCL	0.493	0.401	1.23	0.838	0.461	1.82	0.379	0.399	0.95
DVC	0.491	0.267	1.84	0.183	0.141	1.30	0.890	0.311	1.30
IISCO	5.439	0.712	7.64	5.829	0.976	5.97	4.662	0.825	5.65
APMDTCL	0.959	0.142	6.75	2.181	0.251	8.69	2.181	0.299	7.29
WBPDCCL				0.518	0.115	4.50	0.934	0.257	3.63
SAIL				0.272	0.063	4.32	0.272	0.014	19.41
DVC EMTA							0.098	0.021	4.67
PUBLIC	837.262	393.752	2.13	939.340	428.464	2.19	959.837	433.134	2.22
BECML	12.923	4.139	3.12	11.790	3.303	3.57	10.025	2.876	3.49
ICML	6.897	2.984	2.31	8.450	3.213	2.63	7.679	2.929	2.62
JSPL	9.856	5.998	1.64	10.247	5.999	1.71	10.440	5.999	1.74
HIL	1.071	2.066	0.52	0.545	2.330	0.23	0.764	2.285	0.33
Meghalaya		5.489			5.767			6.974	
TSL	25.142	5.695	4.41	26.393	5.639	4.68	25.714	5.439	4.73
MIL									
BLA	1.385	0.236	5.87	1.235	0.299	4.13	1.149	0.297	3.87
CML					0.000			0	
PANEM	6.752	6.175	1.09	9.239	8.476	1.09	17.188	8.031	1.09
PIL	4.583	0.919	4.99	5.225	1.000	5.23	5.211	1.000	5.21
JNL	1.893	0.363	5.21	2.072	0.324	6.40	1.613	0.131	12.31
JPL	0.125	4.893	0.03	14.207	6.045	2.35	15.432	5.688	2.71
SIL		0.051	0.00						
UML	0.455	0.013	35.00	0.401	0.062	6.47	3.054	0.300	10.18
KEMTA	0.929	0.991	0.94	5.027	2.252	2.23	5.622	2.275	2.47
ESCL	0.679	0.013	52.23	1.843	0.055	33.51	1.937	0.034	56.97
SEML	1.660	0.008	207.50	2.005	0.291	6.89	2.576	0.432	5.96
BS ISPAT							0.356	0.015	23.73
PRIVATE	74.350	40.033	2.15	98.679	45.055	2.51	108.760	44.705	2.88
INDIA	911.612	433.785	2.13	1038.019	473.519	2.22	1068.597	477.839	2.27

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

Year	OMS (OPEN CAST)		OMS (UNDER GROUND)		OMS (OVERALL)	
	CIL	SCCL	CIL	SCCL	CIL	SCCL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2001-02	6.08	6.74	0.64	0.85	2.45	1.67
2002-03	6.30	7.67	0.69	0.86	2.67	1.89
2003-04	6.67	7.67	0.68	0.86	2.82	1.81
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

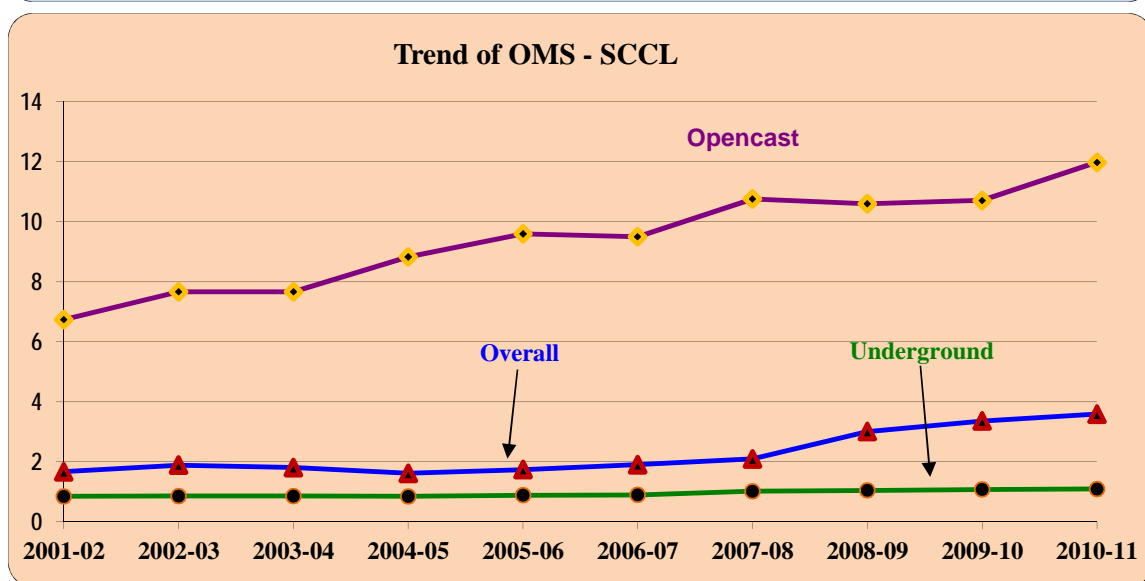
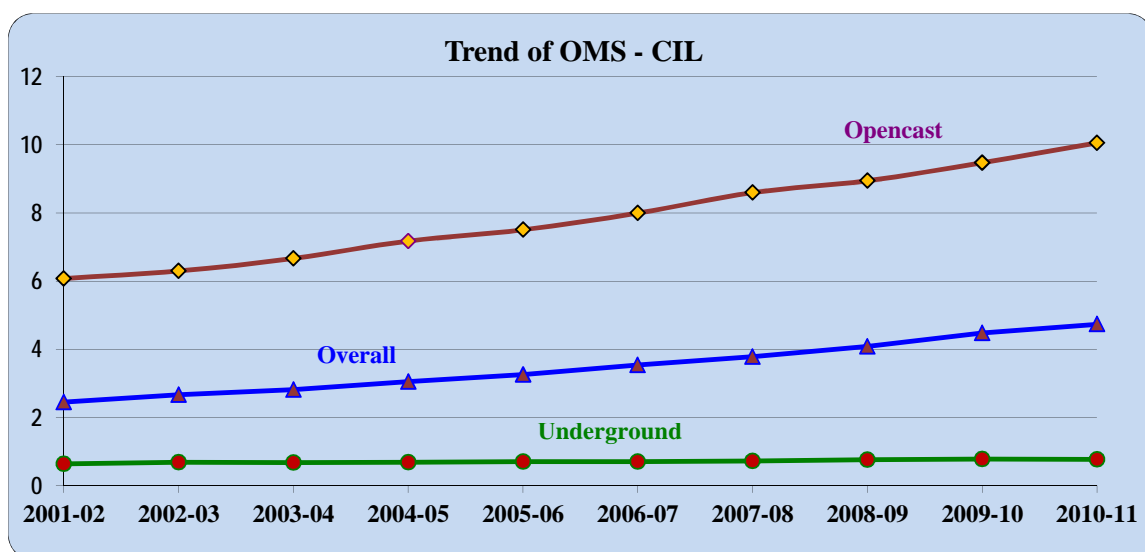


TABLE 3.21 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2008 - 2009			2009-2010			2010-2011		
		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	19.743	3.066	6.42	21.824	2.994	7.29	23.431	2.877	8.14
BCCL	OC	21.381	4.791	2.91	23.610	4.867	4.85	25.308	4.486	5.64
CCL	OC	41.678	8.955	4.65	45.612	8.711	5.24	46.247	8.386	5.51
NCL	OC	63.650	4.366	14.58	67.670	5.132	13.19	66.253	4.902	13.52
WCL	OC	34.585	8.680	3.99	36.114	8.722	4.12	34.950	8.438	4.14
SECL	OC	83.584	5.305	15.76	90.179	4.773	18.89	95.902	4.743	20.22
MCL	OC	94.186	4.085	23.06	101.875	5.393	18.89	98.113	4.786	20.50
NEC	OC	0.964	0.123	7.83	1.113	0.321	3.47	1.099	0.155	7.09
CIL	OC	359.771	39.371	8.95	387.997	40.913	9.48	391.303	38.773	10.09
SCCL	OC	32.459	2.344	10.60	38.460	2.414	10.71	39.705	2.41	11.98*
ECL	UG	8.392	18.123	0.46	8.234	17.542	0.47	7.372	16.370	0.45
BCCL	UG	4.133	10.055	0.41	3.902	10.016	0.39	3.696	9.397	0.39
CCL	UG	1.558	4.287	0.36	1.471	4.151	0.35	1.274	3.758	0.34
NCL										
WCL	UG	10.115	8.876	1.14	9.621	8.465	1.12	8.704	7.970	1.09
SECL	UG	17.566	13.893	1.26	17.830	13.358	1.33	16.803	12.669	1.33
MCL	UG	2.150	1.720	1.25	2.204	1.709	1.29	2.167	1.737	1.25
NEC	UG	0.045	0.448	0.10				0.002	0.355	0.01
CIL	UG	43.959	57.402	0.76	43.262	55.241	0.78	40.018	52.256	0.77
SCCL	UG	12.087	11.405	1.05	11.969	11.000	1.08	11.628	11.000	1.06
ECL	ALL	28.135	21.189	1.33	30.058	20.536	1.46	30.803	19.247	1.60
BCCL	ALL	25.514	14.846	1.22	27.512	14.883	1.85	29.004	13.883	2.09
CCL	ALL	43.236	13.242	3.27	47.083	12.862	3.66	47.521	12.144	3.91
NCL	ALL	63.650	4.366	14.58	67.670	5.132	13.19	66.253	4.902	13.52
WCL	ALL	44.700	17.556	2.55	45.735	17.187	2.64	43.654	16.408	2.65
SECL	ALL	101.150	19.198	5.26	108.009	18.131	5.96	112.705	17.412	6.47
MCL	ALL	96.336	5.805	16.60	104.079	7.102	14.66	100.280	6.523	15.37
NEC	ALL	1.009	0.571	1.77	1.113	0.321	1.51	1.101	0.510	2.16
CIL	ALL	403.730	96.773	4.09	431.259	96.154	4.48	431.321	91.029	4.74
SCCL	ALL	44.546	13.749	3.01	50.429	13.414	3.36	51.333	13.414	3.59*

* Reported by SCCL.

TABLE 3.22: STATEWISE PRODUCTION OF RAW COAL BY TYPE OF MINES IN LAST THREE YEARS
(Million Tonnes)

STATES	Production (2008-2009)			Production (2009 - 2010)			Production (2010-2011)		
	OC	UG	TOTAL	OC	UG	TOTAL	OC	UG	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ANDHRA PRADESH	32.459	12.087	44.546	38.460	11.969	50.429	39.705	11.628	51.333
ARUNACHAL PRADESH	0.142		0.142	0.251		0.251	0.299	0.000	0.299
ASSAM	0.964	0.045	1.009	1.113		1.113	1.099	0.002	1.101
CHHATTISGARH	90.381	11.541	101.922	97.763	12.190	109.953	102.612	11.212	113.824
JAMMU & KASHMIR		0.011	0.011		0.023	0.023	0.000	0.024	0.024
JHARKHAND	88.365	7.907	96.272	98.271	7.646	105.917	101.743	7.206	108.949
MADHYA PRADESH	58.670	12.655	71.325	61.726	12.348	74.074	59.108	11.996	71.104
MAHARASHTRA	34.231	4.474	38.705	36.716	4.289	41.005	35.696	3.640	39.336
MEGHALAYA	5.489		5.489	5.767		5.767	6.974		6.974
ORISSA	96.252	2.150	98.402	104.205	2.204	106.409	100.398	2.167	102.565
UTTAR PRADESH	12.029		12.029	13.968		13.968	15.526	0.000	15.526
WEST BENGAL	14.803	8.102	22.905	15.279	7.854	23.133	14.679	6.980	21.659
ALL INDIA	433.785	58.972	492.757	473.519	58.523	532.042	477.839	54.855	532.694

Section – IV

Despatches & Off-take

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

Thus Off-take = Despatches + Colliery Consumption.

Accounting of despatches and off-take of coal of various classes as well as different coal products is a very complicated exercise. While it is not difficult to find the quantum of despatches of various classes of coal viz. Coking & Non-Coking; different coal products viz. Washed Coking, Washed Non-Coking and Middlings from different coal companies to various consuming sectors, it is difficult to convert all these items of different characteristics in terms of raw coal. Despatch account in terms of raw coal, not in terms of Million tonne of Coal Equivalent (MTCE), would enable one to reconcile total raw coal despatched from pit head vis-à-vis coal received by different industrial sectors. This is particularly required by the Ministry of Coal of Union Government, different public sector coal companies (non captive) and Planning Commission to review the performance with respect to target based on raw coal and assess the future demand relating to coal.

Mostly, raw coal is despatched to different consuming sectors for direct use besides some quantity being sent to washeries for washing (i.e. for reducing ash percentage). From these washeries, again, washed coal and middling are despatched to

different consuming sectors - mainly for Steel and Power generation (utilities and captive) respectively. This is why it is difficult to express the quantum of all despatches to individual sectors, particularly Steel and Power, which receive raw coal, washed coal and middlings, in terms of a single item like raw coal. This problem can be tackled as follows:-

Using conversion factor:- expressing all types of coal in MTCE (Million Tonne of Coal Equivalent) or MTOE (Million Tonne of Oil Equivalent) unit depending upon its heat value. However this is being a complicated exercise and time consuming is not provided in this compilation. This exercise is particularly useful for deriving Coal Balance/Energy indicators.

"Raw Coal Equivalent" concept, - washed/clean coal can be converted to raw coal but middling, in this method, is not being accounted. When washed coking coal is despatched to steel sector, raw coal feed to washeries is taken as raw coal equivalent of washed coal produced and reported against steel sector by this concept, but middling which is the by-product of such washery operation can not be reported in terms of raw coal equivalent, though actually being used in power generation besides other coal, to avoid duplication of reporting of same raw coal against steel and power sector. Coal India and Ministry of Coal mostly follow this. In spite of such demerit this method is used mainly to reconcile the offtake of different consuming sectors with raw coal sources.

First hand receivers-In this method only offtake by first hand receivers, including washeries in case of coal meant for

washing) of raw coal are taken into account that would enable the reconciliation of total raw coal despatches from pit head with what has been received by different sectors. However, this approach would oversimplify the issue and would not tell us actual intake by different sectors, mainly Steel and Power.

Sectorwise despatches are reported in 3 tables. viz. Table 4.16, Table 4.17, 4.18 & Table 4.19.

Table 4.16 follows first hand receivers approach and gives the company-wise despatches of raw coal to different sectors where Coking and Non-coking washeries have been treated as separate sectors.

Table 4.17: It provides company-wise despatches of raw coal to different sector but despatches to coking/ non-coking washeries are reported against the consuming sector where the principal product i.e. washed coal is used.

Table 4.18: This table provides actual despatches of raw coal, washed coal and middlings to different industries (sectors) of different states for final consumption.

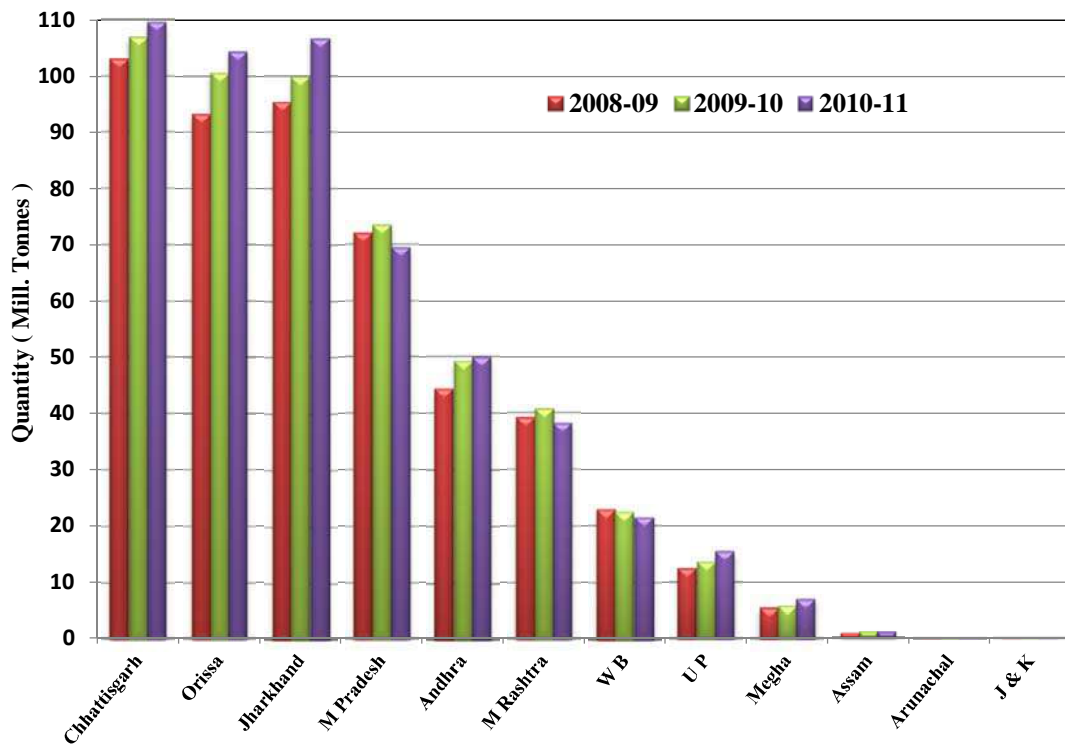
Table 4.19 gives destination state-wise sectorwise despatch of raw coal as well as coal products. However, only that part of raw coal which is directly going to consuming sector is reported here as "Raw Coal External".

. Raw coal despatches to coking coal washeries is taken as if despatched to steel sector while raw coal despatches to non-coking washeries is treated as if despatched to Power Sector. However, Non-coking coal of JSPL despatched to its washery is shown under Sponge Iron.

Practically, actual coal consumption data could not be reported as consuming units are not surveyed (consumption approach). Quantum of coal consumed can be derived indirectly by considering coal despatched from pit-head and change of stock of coal at industrial unit sites. But data available on industrial stock-change of coal is not exhaustive. To resolve the issue we assumed the stock change is zero in all sectors except power generation (utility), steel making and cement which are the major consumers and these data are available from CIL and SCCL. It is further assumed that the quantity of coal "in transit" on first and last day of the accounting period would remain same. All these assumptions would enable us to use despatches data as an alternative to coal received/ consumption data assuming that the transit losses are negligible, which may be debatable considering reality.

Despatch	(in MT)
Coal	523.465
Coking Coal	48.950
Non-coking Coal	474.515
Washed Coal (Coking)	6.854
Washed Coal (Non-Coking)	14.537
Middling (Coking)	4.504
Middling (Non-Coking)	3.790
Coke	10.689
Despatch to Priority Sectors	
Steel	395.838
Power	17.261
Cement	15.079

Ch. IV.1: Despatches of Raw Coal from different States during last 3 years



Ch. IV.2: Despatches of Raw Coal from different companies during last 3 years

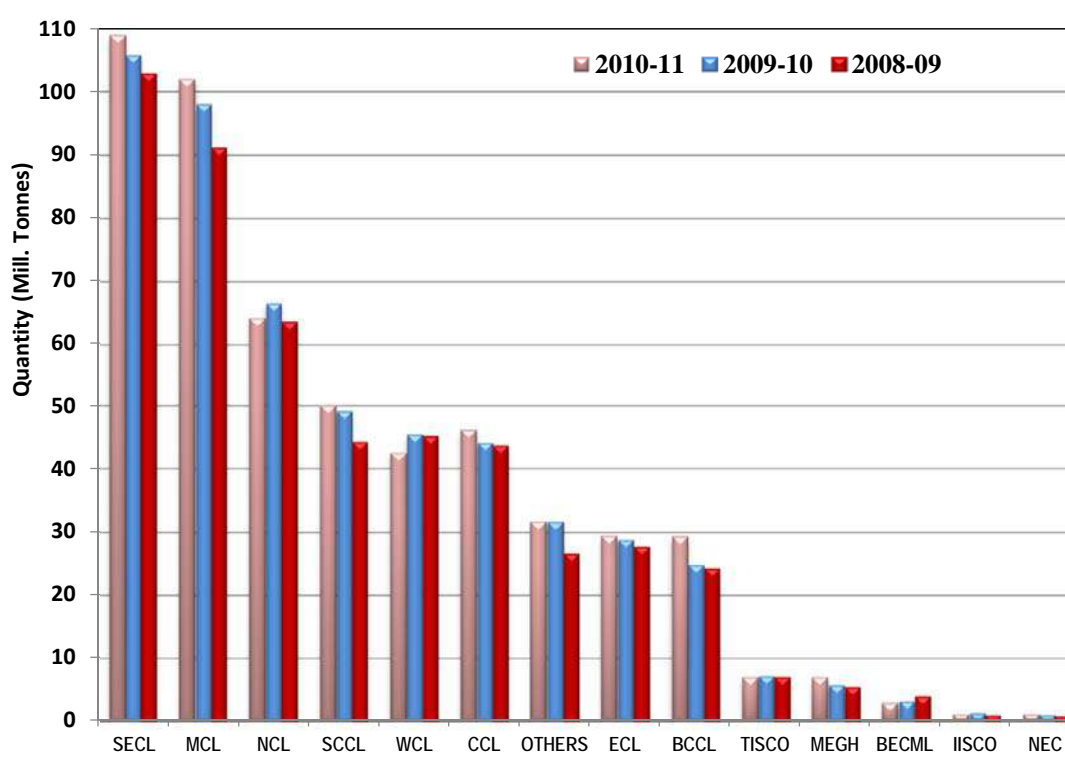
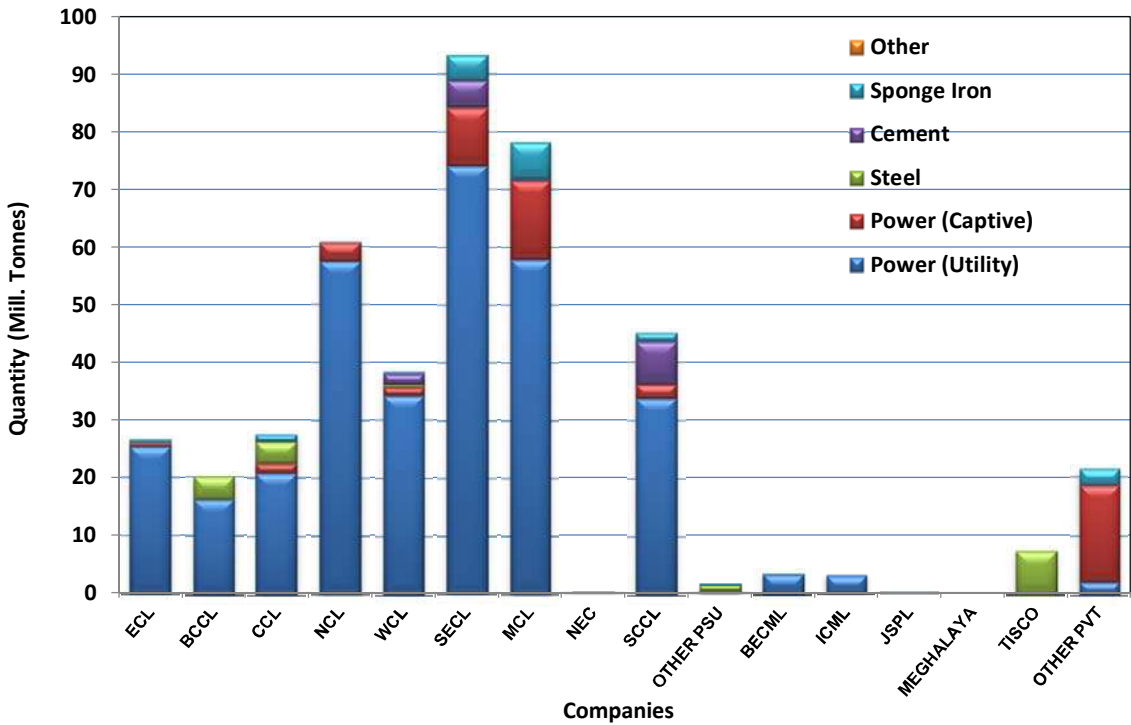


Chart 4.3: Sectorwise Despatches of Raw Coal from different companies in 2010-11



Ch.4.4: Share of diff. Grades of Raw Coal Despatched in 2010-11

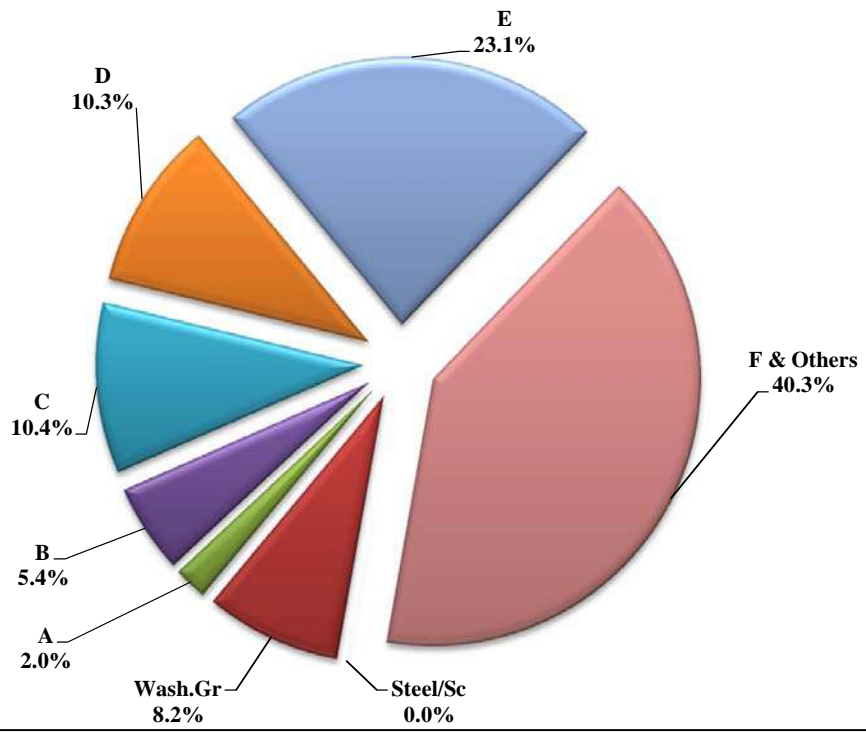


TABLE 4.1: TREND OF DESPATCHES OF DIFFERENT SOLID FOSSIL FUELS DURING LAST TEN YEARS
(Million Tonnes)

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)
2001-02	329.141	93.05	3.68	24.578	6.95	-0.99	353.719	3.34
2002-03	338.608	92.87	2.88	26.010	7.13	5.83	364.618	3.08
2003-04	357.992	92.63	5.72	28.486	7.37	9.52	386.478	6.00
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

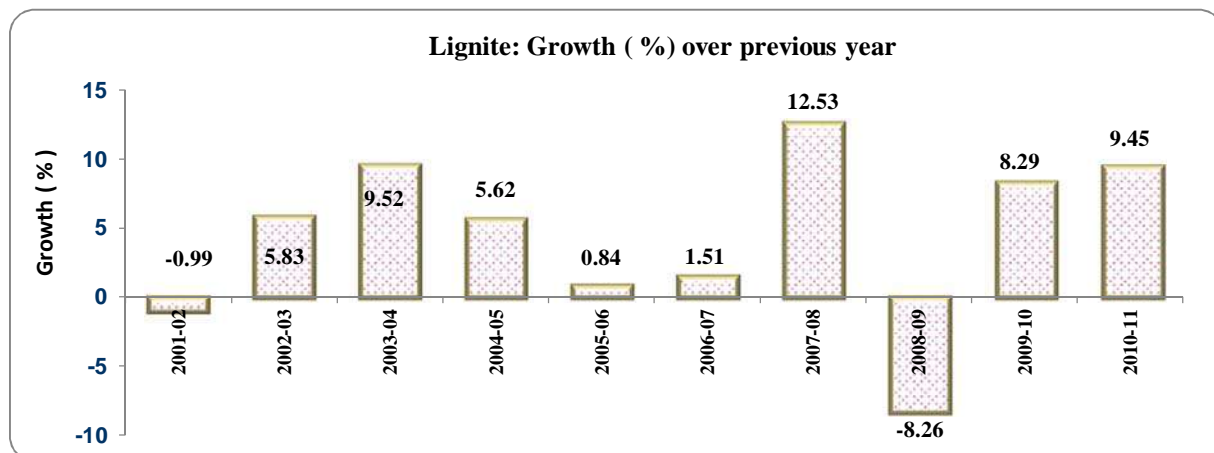
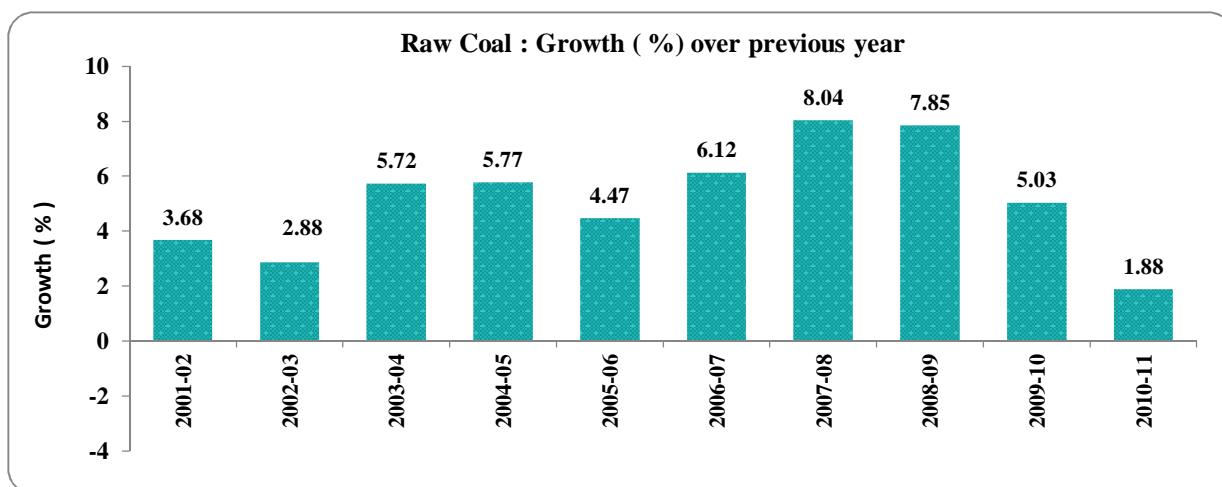


TABLE 4.2: TREND OF DESPATCHES OF DIFFERENT TYPES OF RAW COAL DURING LAST TEN YEARS
(Million Tonnes)

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal			Despatches	Share in coking coal(%)	Change over previous year (%)	Despatches	Change over previous year (%)
	Despatches	Share in coking coal(%)	Change over previous year (%)	Despatches	Share in coking coal(%)	Change over previous year (%)	Despatches	Share in coking coal(%)	Change over previous year (%)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2001-02	16.088	54.48	-13.73	13.444	45.52	-1.52	29.532	8.97	-8.57	299.609	91.03	5.06	329.141	3.68
2002-03	16.646	53.86	3.47	14.258	46.14	6.05	30.904	9.13	4.65	307.704	90.87	2.70	338.608	2.88
2003-04	16.643	53.87	-0.02	14.250	46.13	-0.06	30.893	8.63	-0.04	327.099	91.37	6.30	357.992	5.72
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	16.91	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	12.21	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	4.65	523.465	1.88

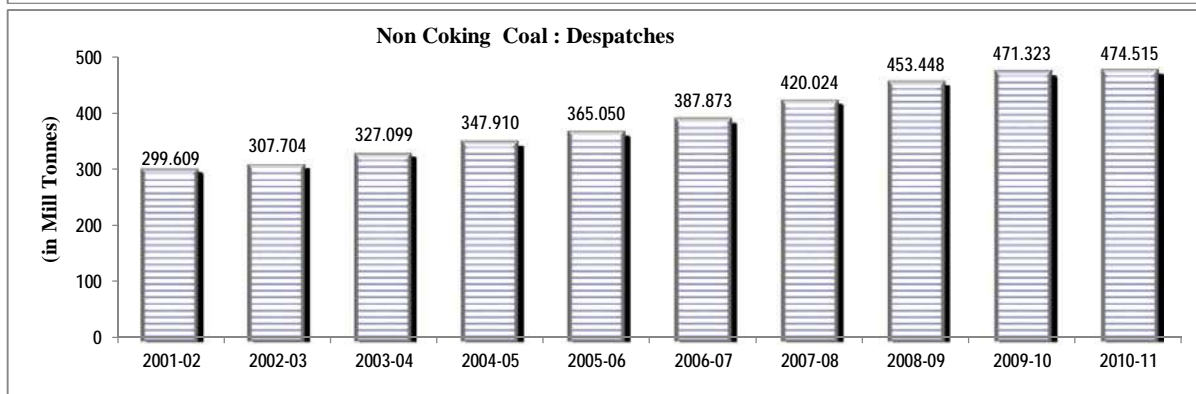
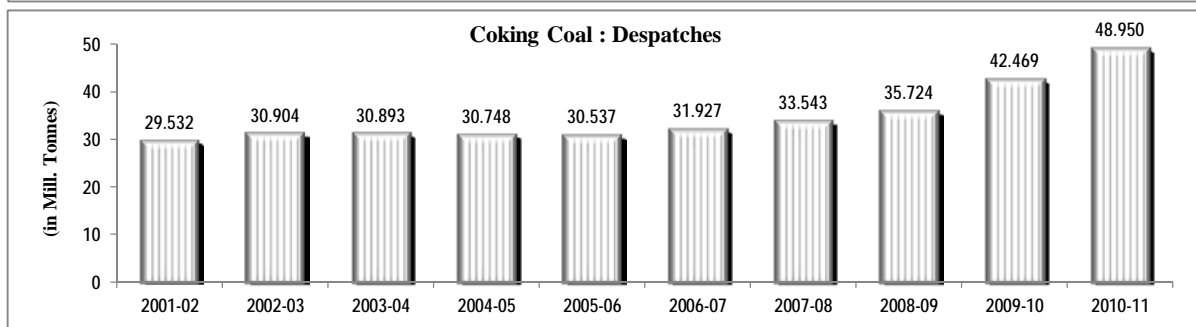
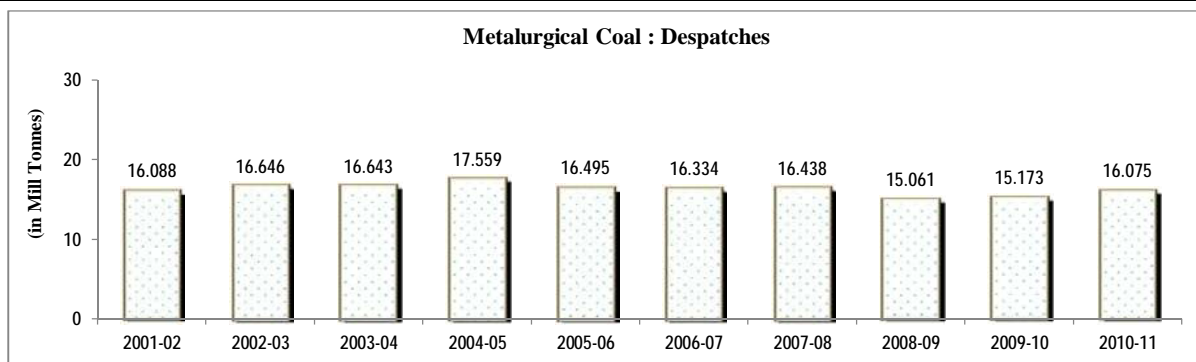
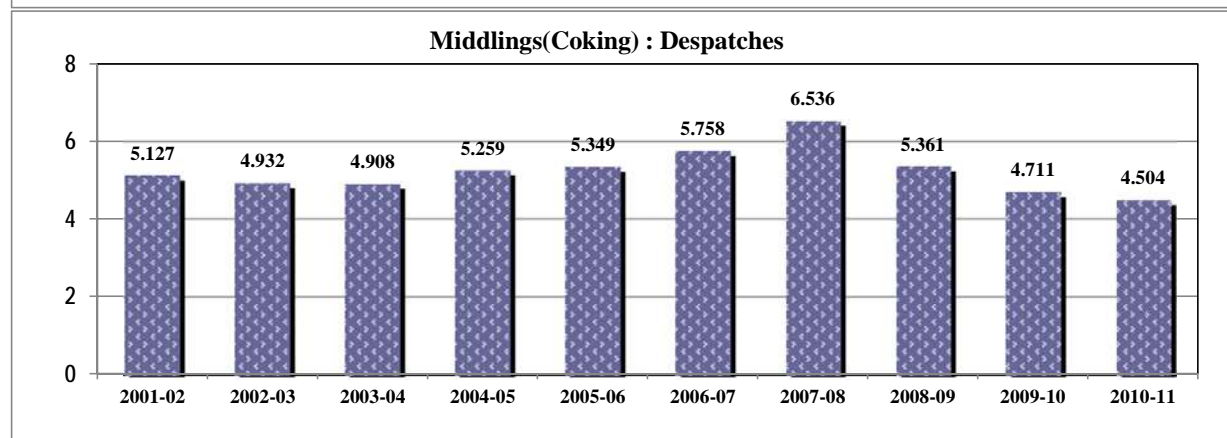
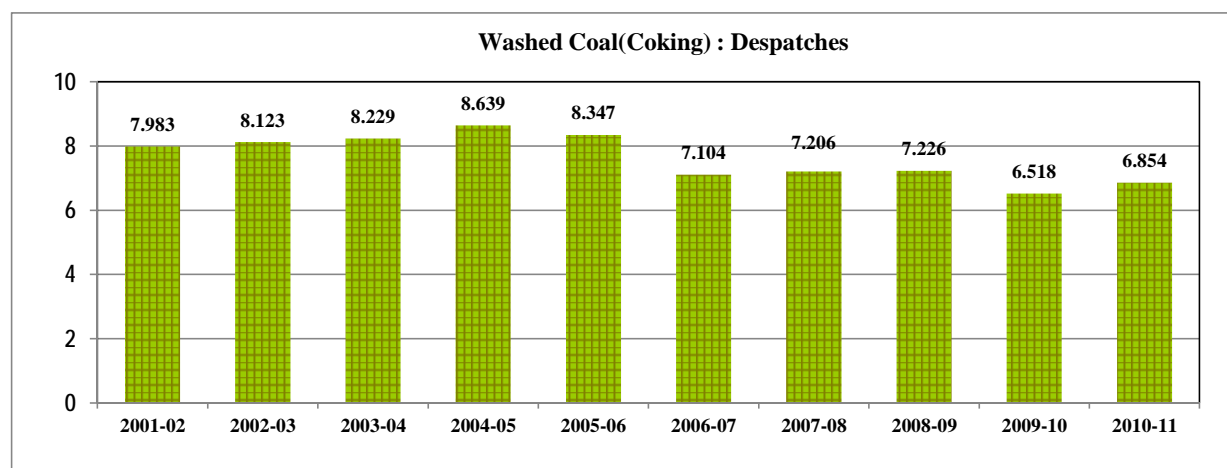


TABLE 4.3: TREND OF DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS
(in Million Tonnes)

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)
2001-02	7.983	-8.00			5.127	-21.65			13.494	24.25
2002-03	8.123	1.75			4.932	-3.80			13.702	1.54
2003-04	8.229	1.30	8.680	N.A.	4.908	-0.49	1.028	N.A.	12.914	-5.75
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	10.689	-13.53



Note: 1. All the above figures of Washed Coal & Middling relate to coal companies (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
(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)
2008-09												
April - June	8.027	-16.0	22.5	105.224	-9.3	23.2	113.251	-9.9	23.2	8.466	-16.3	26.6
July - Sept.	8.062	0.4	22.6	104.551	-0.6	23.1	112.613	-0.6	23.0	7.000	-17.3	22.0
Oct. - Dec.	9.243	14.6	25.9	118.193	13.0	26.1	127.436	13.2	26.1	6.669	-4.7	21.0
Jan. - Mar.	10.392	12.4	29.1	125.480	6.2	27.7	135.872	6.6	27.8	9.658	44.8	30.4
TOTAL	35.724	6.5	100.0	453.448	8.0	100.0	489.172	7.8	100.0	31.793	-8.3	100.0
2009-10												
April - June	10.035	25.0	23.6	113.277	7.7	24.0	123.312	8.9	24.0	9.334	10.3	27.1
July - Sept.	10.379	28.7	24.4	106.330	1.7	22.6	116.709	3.6	22.7	7.572	8.2	22.0
Oct. - Dec.	10.634	15.0	25.0	122.124	3.3	25.9	132.758	4.2	25.8	7.927	18.9	23.0
Jan. - Mar.	11.421	9.9	26.9	129.592	3.3	27.5	141.013	3.8	27.4	9.597	-0.6	27.9
TOTAL	42.469	18.9	100.0	471.323	3.9	100.0	513.792	5.0	100.0	34.430	8.3	100.0
2010-11												
April - June	11.905	18.6	24.3	114.217	0.8	24.1	126.122	2.3	24.1	9.994	7.1	26.5
July - Sept.	11.831	14.0	24.2	109.320	2.8	23.0	121.151	3.8	23.1	8.279	9.3	22.0
Oct. - Dec.	12.231	15.0	25.0	123.529	1.2	26.0	135.760	2.3	25.9	8.331	5.1	22.1
Jan. - Mar.	12.970	13.6	26.5	127.462	-1.6	26.9	140.432	-0.4	26.8	11.081	15.5	29.4
TOTAL	48.937	15.2	100.0	474.528	0.7	100.0	523.465	1.9	100.0	37.685	9.5	100.0

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

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

Contd....

TABLE 4.4 : QUARTERLY DESPATCHES OF DIFFERANT TYPES OF COAL, LIGNITE & COAL PRODUCTS IN LAST THREE YEARS
(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)
2008-09															
April - June	1.797	-8.6	24.9	3.042	-11.6	22.6	1.299	-15.4	24.2	0.654	40.9	16.3	3.097	-3.1	24.8
July - Sept.	1.721	-4.2	23.8	2.881	-5.3	21.4	1.346	3.6	25.1	0.889	35.9	22.1	3.325	7.4	26.7
Oct. - Dec.	1.748	1.6	24.2	3.735	29.6	27.8	1.389	3.2	25.9	1.252	40.8	31.2	3.134	-5.7	25.1
Jan. - Mar.	1.960	12.1	27.1	3.787	1.4	28.2	1.327	-4.5	24.8	1.223	-2.3	30.4	2.909	-7.2	23.3
TOTAL	7.226	0.3	100.0	13.445	4.9	100.0	5.361	-18.0	100.0	4.018	62.9	100.0	12.465	-2.4	100.0
2009-10															
April - June	1.542	-14.2	23.7	3.134	3.0	22.4	1.231	-5.2	26.1	0.860	31.5	23.1	2.944	-4.9	23.8
July - Sept.	1.519	-11.7	23.3	3.268	13.4	23.4	1.236	-8.2	26.2	0.751	-15.5	20.2	3.083	-7.3	24.9
Oct. - Dec.	1.639	-6.2	25.1	3.769	0.9	27.0	1.153	-17.0	24.5	1.004	-19.8	26.9	3.201	2.1	25.9
Jan. - Mar.	1.818	-7.2	27.9	3.810	0.6	27.3	1.091	-17.8	23.2	1.111	-9.2	29.8	3.133	7.7	25.3
TOTAL	6.518	-9.8	100.0	13.981	4.0	100.0	4.711	-12.1	100.0	3.726	-7.3	100.0	12.361	-0.8	100.0
2010-11															
April - June	1.747	13.3	25.5	3.336	6.4	22.9	1.144	-7.1	25.4	0.823	-4.3	21.7	2.593	-11.9	24.3
July - Sept.	1.736	14.3	25.3	3.551	8.7	24.4	1.039	-15.9	23.1	0.865	15.2	22.8	2.594	-15.9	24.3
Oct. - Dec.	1.674	2.1	24.4	3.729	-1.1	25.7	1.114	-3.4	24.7	1.051	4.7	27.7	2.793	-12.7	26.1
Jan. - Mar.	1.697	-6.7	24.8	3.921	2.9	27.0	1.207	10.6	26.8	1.051	-5.4	27.7	2.709	-13.5	25.3
TOTAL	6.854	5.2	100.0	14.537	4.0	100.0	4.504	-4.4	100.0	3.790	1.7	100.0	10.689	-13.5	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. Private Washeries 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 2010-11
(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-10	3.929	24.1	8.03	38.553	2.9	8.12	42.482	4.6	8.12	3.448	6.3	9.15
May-10	4.198	20.7	8.58	38.387	0.4	8.09	42.585	2.0	8.14	3.278	2.5	8.70
Jun-10	3.778	11.5	7.72	37.277	-0.8	7.86	41.055	0.2	7.84	3.268	13.0	8.67
1st Quarter	11.905	18.6	24.33	114.217	0.8	24.07	126.122	2.3	24.09	9.994	7.1	26.52
Jul-10	3.935	3.4	8.04	37.244	5.4	7.85	41.179	5.2	7.87	2.813	10.1	7.46
Aug-10	4.025	16.8	8.22	37.203	3.4	7.84	41.228	4.6	7.88	2.773	14.4	7.36
Sep-10	3.871	23.8	7.91	34.873	-0.5	7.35	38.744	1.5	7.40	2.693	3.8	7.15
2nd Quarter	11.831	14.0	24.18	109.320	2.8	23.04	121.151	3.8	23.14	8.279	9.3	21.97
Oct-10	3.956	17.2	8.08	40.229	3.2	8.48	44.185	4.3	8.44	3.012	14.0	7.99
Nov-10	3.873	10.5	7.91	40.356	0.0	8.50	44.229	0.8	8.45	2.371	2.7	6.29
Dec-10	4.402	17.3	9.00	42.944	0.4	9.05	47.346	1.8	9.04	2.948	-1.0	7.82
3rd Quarter	12.231	15.0		123.529	1.2	26.03	135.760	2.3	25.93	8.331	5.1	22.11
Jan-11	4.254	15.2	8.69	43.566	-0.9	9.18	47.820	0.3	9.14	3.760	13.5	9.98
Feb-11	4.067	17.1	8.31	39.045	-3.5	8.23	43.112	-1.9	8.24	3.560	15.5	9.45
Mar-11	4.649	9.3	9.50	44.851	-0.7	9.45	49.500	0.2	9.46	3.761	17.4	9.98
4th Quarter	12.970	13.6	26.50	127.462	-1.6	26.86	140.432	-0.4	26.83	11.081	15.5	29.40
Yr. 2010-2011	48.937	15.2	100.00	474.528	0.7	100.00	523.465	1.9	100.00	37.685	9.5	100.00

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

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

Cont....

TABLE 4.5: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL, LIGNITE AND COAL PRODUCTS IN 2010-11
(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-10	0.609	9.3	8.89	1.171	31.6	8.06	0.372	-4.9	8.26	0.227	89.2	5.99	0.864	-9.9	8.08
May-10	0.566	20.2	8.26	0.990	-14.3	6.81	0.388	-7.8	8.61	0.280	-1.8	7.39	0.875	-12.7	8.19
Jun-10	0.572	11.3	8.35	1.175	7.9	8.08	0.384	-8.4	8.53	0.316	-30.5	8.34	0.854	-13.1	7.99
1st Quarter	1.747	13.3	25.49	3.336	6.4	22.95	1.144	-7.1	25.40	0.823	-4.3	21.72	2.593	-11.9	24.26
Jul-10	0.578	17.0	8.43	1.198	1.7	8.24	0.364	-11.9	8.08	0.279	0.7	7.36	0.908	-13.5	8.49
Aug-10	0.603	13.3	8.80	1.253	14.4	8.62	0.362	-17.7	8.04	0.268	-0.4	7.07	0.833	-20.1	7.79
Sep-10	0.555	12.6	8.10	1.100	10.6	7.57	0.313	-18.3	6.95	0.318	55.1	8.39	0.853	-13.9	7.98
2nd Quarter	1.736	14.3	25.33	3.551	8.7	24.43	1.039	-15.9	23.07	0.865	15.2	22.82	2.594	-15.9	24.27
Oct-09	0.617	13.8	9.00	1.244	-1.5	8.56	0.347	-6.5	7.70	0.317	-29.7	8.36	0.934	-12.6	8.74
Nov-09	0.595	11.2	8.68	1.226	-7.3	8.43	0.366	-8.5	8.13	0.346	21.0	9.13	0.921	-9.7	8.62
Dec-09	0.462	-17.8	6.74	1.259	6.4	8.66	0.401	5.0	8.90	0.388	45.3	10.24	0.938	-15.6	8.78
3rd Quarter	1.674	2.1	24.42	3.729	-1.1	25.65	1.114	-3.4	24.73	1.051	4.7	27.73	2.793	-12.7	26.13
Jan-10	0.538	-8.2	7.85	1.331	5.4	9.16	0.448	29.1	9.95	0.412	6.2	10.87	0.917	-16.9	8.58
Feb-10	0.560	-2.3	8.17	1.248	-3.0	8.58	0.349	2.6	7.75	0.275	-21.9	7.26	0.846	-7.0	7.91
Mar-10	0.599	-9.1	8.74	1.342	6.5	9.23	0.410	1.5	9.10	0.364	-1.9	9.60	0.946	-15.5	8.85
4th Quarter	1.697	-6.7	24.76	3.921	2.9	26.97	1.207	10.6	26.80	1.051	-5.4	27.73	2.709	-13.5	25.34
Yr. 2010-2011	6.854	5.2	100.00	14.537	4.0	100.00	4.504	-4.4	100.00	3.790	1.7	100.00	10.689	-13.5	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 (private& public). Private Washeries 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

(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)
2001-02	31.043	9.43	2.40	0.620	0.19	-18.42	54.826	16.66	142.52
2002-03	33.367	9.85	7.49	0.640	0.19	3.23	58.835	17.38	7.31
2003-04	33.829	9.45	1.38	0.870	0.24	35.94	61.918	17.30	5.24
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
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)
2001-02	0.026	0.01	-23.53	75.402	22.91	148.37	41.746	12.68	-40.69
2002-03	0.024	0.01	-7.69	75.840	22.40	0.58	44.990	13.29	7.77
2003-04	0.031	0.01	29.17	78.882	22.03	4.01	48.910	13.66	8.71
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
Year	State: Maharashtra			State: Meghalaya			State: Orissa		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2001-02	31.789	9.66	10.37	5.149	1.56	21.05	49.030	14.90	3.65
2002-03	31.779	9.39	-0.03	4.406	1.30	-16.86	51.360	15.17	4.75
2003-04	32.582	9.10	2.53	5.439	1.52	18.99	59.443	16.60	15.74
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

TABLE 4.6 : SHARE OF RAW COAL DESPATCHES BY STATES DURING LAST TEN YEARS
(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)
2001-02	18.759	5.70	8.19	20.751	6.30	8.03			
2002-03	17.313	5.11	-7.71	20.054	5.92	-3.36			
2003-04	15.529	4.34	-10.30	20.559	5.74	2.52			
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
Year	All India								
	Quantity			Growth(%)					
(41)	(42)			(43)					
2001-02	329.141			3.68					
2002-03	338.608			2.88					
2003-04	357.992			5.72					
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					

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

(Million Tonnes)

Year	State: Tamilnadu			State: Gujarat		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2001-02	18.071	73.53	-3.87	6.230	25.35	7.27
2002-03	18.609	71.55	2.98	6.928	26.64	11.20
2003-04	21.116	74.13	13.47	6.692	23.49	-3.41
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

Year	State: Rajasthan			ALL INDIA	
	Quantity	Share (%)	Growth (%)	Quantity	Growth (%)
(8)	(9)	(10)	(11)	(12)	(13)
2001-02	0.277	1.13	27.65	24.578	-0.99
2002-03	0.473	1.82	70.76	26.010	5.83
2003-04	0.678	2.38	43.34	28.486	9.52
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

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

(Million Tonnes)

Company	2008-09			2009-10			2010-11		
	Coking	Non-coking	Total	Coking	Non-coking	Total	Coking	Non-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.043	27.806	27.849	0.055	28.772	28.827	0.050	29.314	29.364
BCCL	12.910	11.443	24.353	18.953	5.910	24.863	25.674	3.577	29.251
CCL	13.673	30.156	43.829	14.434	29.840	44.274	14.555	31.663	46.218
NCL	0	64.231	64.231	0	66.669	66.669	0	64.208	64.208
WCL	0.737	44.612	45.349	0.540	44.959	45.499	0.421	42.130	42.551
SECL	0.148	102.846	102.994	0.150	105.720	105.870	0.163	108.837	109.000
MCL	0	91.284	91.284	0	98.147	98.147	0.000	102.087	102.087
NEC	0	0.835	0.835	0	1.071	1.071	0.000	1.102	1.102
CIL	27.511	373.213	400.724	34.132	381.088	415.220	40.863	382.918	423.781
SCCL	0	44.410	44.410	0	49.266	49.266	0	50.046	50.046
JKML	0	0.012	0.012	0	0.017	0.017	0	0.025	0.025
JSMDC	0	0.401	0.401	0	0.461	0.461	0	0.399	0.399
DVC	0.217	0	0.217	0.205	0	0.205	0.193	0	0.193
IISCO	0.735	0.280	1.015	0.934	0.357	1.291	0.855	0.234	1.089
APMDTCL	0	0.129	0.129	0	0.226	0.226	0	0.245	0.245
SAIL	0	0	0	0	0.058	0.058	0.014	0.000	0.014
WBPDC	0	0	0	0	0.101	0.101	0	0.268	0.268
DVC EMTA	0	0	0	0	0	0	0	0	0
Total Public	28.463	418.445	446.908	35.271	431.574	466.845	41.925	434.135	476.060
BECML	0	4.132	4.132	0	3.300	3.300	0	2.883	2.883
ICML	0	2.972	2.972	0	2.985	2.985	0	2.923	2.923
JSPL	0	5.997	5.997	0	5.999	5.999	0	5.995	5.995
Meghalaya	0	5.489	5.489	0	5.767	5.767	0	6.974	6.974
TSL	7.249	0.033	7.282	7.169	0.052	7.221	7.003	0.023	7.026
MIL	0	1.016	1.016	0	1.000	1.000	0	0.960	0.960
BLA	0	0.235	0.235	0	0.301	0.301	0	0.297	0.297
CML	0	0	0	0	0	0	0	0	0
HIL	0	2.032	2.032	0	2.444	2.444	0	2.272	2.272
PANEM	0	6.156	6.156	0	8.449	8.449	0	8.126	8.126
PIL	0	0.918	0.918	0	1.000	1.000	0	1.000	1.000
JNL	0	0.391	0.391	0	0.519	0.519	0	0.477	0.477
JPL	0	4.606	4.606	0	5.249	5.249	0	5.249	5.249
SIL	0	0.048	0.048	0	0.137	0.137	0	0.102	0.102
ESCL	0.012	0	0.012	0.029	0	0.029	0.022	0	0.022
UML	0	0.013	0.013	0	0.058	0.058	0	0.300	0.300
KEMTA	0	0.964	0.964	0	2.216	2.216	0	2.368	2.368
SEML	0	0.001	0.001	0	0.273	0.273	0	0.431	0.431
BS ISPAT							0	0	0
Total Private	7.261	35.003	42.264	7.198	39.749	46.947	7.025	40.380	47.405
ALL INDIA	35.724	453.448	489.172	42.469	471.323	513.792	48.950	474.515	523.465
LIGNITE :									
NLC			20.748			22.812			23.081
GMDCL			8.111			8.374			10.232
GIPCL			1.701			1.714			2.548
RSMLL			0.999			1.207			0.883
GHCL			0.234			0.323			0.299
VS LIGNITE									0.642
ALL INDIA			31.793			34.430			37.685
COAL & LIGNITE			520.965			548.222			561.150

**TABLE 4.9 : DESPATCHES OF RAW COAL AND COAL PRODUCTS (Washed Coal and Middlings)
BY COMPANIES IN 2010-11**

(Million Tonnes)

Company	Raw Coal		Washed Coal		Middlings	
	Despatches	Offtake	Despatches	Offtake	Despatches	Offtake
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COAL :						
ECL	29.364	29.744				
BCCL	29.251	29.342	1.826	1.826	0.880	0.880
CCL	46.218	46.228	9.448	9.448	0.963	0.963
NCL	64.208	64.208	3.332	3.332	0	0.000
WCL	42.551	42.560	0.193	0.193	0.138	0.138
SECL	109.000	109.020				
MCL	102.087	102.092				
NEC	1.102	1.102				
CIL	423.781	424.296	14.799	14.799	1.981	1.981
SCCL	50.046	50.144	0.651	0.651		
JKML	0.025	0.025				
JSMDCL	0.399	0.399				
DVC	0.193	0.194				
IISCO	1.089	1.089	0.601	0.601	0.243	0.243
APMDTCL	0.245	0.245				
SAIL	0.014	0.014				
WBPDCCL	0.268	0.268				
DVC EMTA	0	0				
Total Public	476.060	476.674	16.051	16.051	2.224	2.224
BECML	2.883	2.883				
ICML	2.923	2.923				
JSPL	5.995	5.995	1.923	1.923	3.790	3.790
HIL	2.272	2.272				
MEG	6.974	6.974				
TISCO	7.026	7.033	3.162	3.162	2.280	2.280
MIL	0.960	0.960				
BLA	0.297	0.297	0.255	0.255		
CML	0	0				
PANEM	8.126	8.126				
PIL	1.000	1.000				
JNL	0.477	0.477				
JPL	5.249	5.249				
SIL	0.102	0.102				
KEMTA	2.368	2.368				
UML	0.300	0.300				
ESCL	0.022	0.022				
SEML	0.431	0.431				
BS ISPAT	0	0				
PRIVATE	47.405	47.412	5.340	5.340	6.070	6.070
ALL INDIA	523.465	524.086	21.391	21.391	8.294	8.294

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

YEAR	Companies	Hard Coke	CIL Coke	Coke Fines	Coal gas (Unit: NM3)	Coal Fines
2008-09	BCCL	6.0				
	CCL					
	WCL					
	DCC		29.2	106.2	58.7	181.8
	SAIL	8387.0				
	RINL	2132.0				
	TSL	1940.0				
	TOTAL	12465.0	29.2	106.2	58.7	181.8
2009-10	BCCL					
	CCL					
	WCL					
	DCC		17.1	82.4	54.9	156.4
	SAIL	8224.0				
	RINL	2240.0				
	TSL	1897.0				
	TOTAL	12361.0	17.1	82.4	54.9	156.4
2010-11	BCCL					
	CCL					
	WCL					
	DCC	30.607	61.006	5.58	137.831	
	SAIL	8724				
	TSL	1965				
		TOTAL	10689	30.607	61.006	5.58

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

(Million Tonnes)

States	Company	2008-2009			2009-2010			2010-11		
		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		44.410	44.410		49.266	49.266	0	50.046	50.046
Arunachal Pradesh	APMDTCL		0.129	0.129		0.226	0.226	0	0.245	0.245
Assam	NEC		0.835	0.835		1.071	1.071	0	1.102	1.102
Chhattisgarh	SECL	0.148	89.945	90.093	0.150	92.731	92.881	0.163	95.287	95.450
Chhattisgarh	JSPL		5.997	5.997		5.999	5.999	0	5.995	5.995
Chhattisgarh	MIL		1.016	1.016		1.000	1.000	0	0.960	0.960
Chhattisgarh	PIL		0.918	0.918		1.000	1.000	0	1.000	1.000
Chhattisgarh	JNL		0.391	0.391		0.519	0.519	0	0.477	0.477
Chhattisgarh	JPL		4.606	4.606		5.249	5.249	0	5.249	5.249
Chhattisgarh	SEML		0.001	0.001		0.273	0.273	0	0.431	0.431
Chhattisgarh	TOTAL	0.148	102.874	103.022	0.150	106.771	106.921	0.163	109.399	109.562
Jammu & Kashmir	JKML		0.012	0.012		0.017	0.017	0	0.025	0.025
Jharkhand	ECL	0.020	12.510	12.530	0.047	13.365	13.412	0.043	14.239	14.282
Jharkhand	BCCL	12.844	11.385	24.229	18.909	5.853	24.762	25.642	3.560	29.202
Jharkhand	CCL	13.673	30.156	43.829	14.434	29.840	44.274	14.555	31.663	46.218
Jharkhand	JSMDCL		0.401	0.401		0.461	0.461	0	0.399	0.399
Jharkhand	DVC	0.217		0.217	0.205		0.205	0.193	0.0	0.193
Jharkhand	IISCO	0.735	0.010	0.745	0.934		0.934	0.855	0.0	0.855
Jharkhand	TSL	7.249	0.033	7.282	7.169	0.052	7.221	7.003	0.023	7.026
Jharkhand	CML			0.000			0.000			0
Jharkhand	PANEM		6.156	6.156		8.449	8.449		8.126	8.126
Jharkhand	UML		0.013	0.013		0.058	0.058		0.300	0.300
Jharkhand	ESCL	0.012		0.012	0.029		0.029	0.022	0.0	0.022
Jharkhand	SAIL			0.000		0.058	0.058	0.014	0.0	0.014
Jharkhand	TOTAL	34.750	60.664	95.414	41.727	58.136	99.863	48.327	58.310	106.637
Madhya Pradesh	NCL		51.783	51.783		53.082	53.082	0	48.815	48.815
Madhya Pradesh	WCL	0.737	6.386	7.123	0.540	6.569	7.109	0.421	6.360	6.781
Madhya Pradesh	SECL		12.901	12.901		12.989	12.989		13.550	13.550
Madhya Pradesh	BLA		0.235	0.235		0.301	0.301		0.297	0.297
Madhya Pradesh	TOTAL	0.737	71.305	72.042	0.540	72.941	73.481	0.421	69.022	69.443
Maha Rashtra	WCL		38.226	38.226		38.390	38.390	0	35.770	35.770
Maha Rashtra	SIL		0.048	0.048		0.137	0.137		0.102	0.102
Maha Rashtra	KEMTA		0.964	0.964		2.216	2.216		2.368	2.368
Maha Rashtra	BS ISPAT								0	0
Maha Rashtra	TOTAL		39.238	39.238		40.743	40.743	0	38.240	38.240
Meghalaya	MEGHALAYA		5.489	5.489		5.767	5.767		6.974	6.974
Orissa	MCL		91.284	91.284		98.147	98.147		102.087	102.087
Orissa	HIL		2.032	2.032		2.444	2.444		2.272	2.272
Orissa	TOTAL		93.316	93.316		100.591	100.591		104.359	104.359
Uttar Pradesh	NCL		12.448	12.448		13.587	13.587		15.393	15.393
West Bengal	ECL	0.023	15.296	15.319	0.008	15.407	15.415	0.007	15.075	15.082
West Bengal	BCCL	0.066	0.058	0.124	0.044	0.057	0.101	0.032	0.017	0.049
West Bengal	IISCO		0.270	0.270		0.357	0.357		0.234	0.234
West Bengal	BECML		4.132	4.132		3.300	3.300		2.883	2.883
West Bengal	ICML		2.972	2.972		2.985	2.985		2.923	2.923
West Bengal	WBPDCCL					0.101	0.101		0.268	0.268
West Bengal	DVC EMTA								0	0
West Bengal	TOTAL	0.089	22.728	22.817	0.052	22.207	22.259	0.039	21.400	21.439
Total Public		28.463	418.445	446.908	35.271	431.574	466.845	41.925	434.135	476.060
Total Private		7.261	35.003	42.264	7.198	39.749	46.947	7.025	40.380	47.405
All India		35.724	453.448	489.172	42.469	471.323	513.792	48.950	474.515	523.465

TABLE 4.12: GRADEWISE DESPATCHES OF COKING COAL BY COMPANIES IN 2010-11

(Million Tonnes)											
Companies	DESPATCHES OF COKING COAL										
	Steel-I	Steel-II	SC	Wash-I	Wash-II	Wash-III	Wash-IV	SLV1	Met.Coal	Non Met	Tot. Coking
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ECL			0.007			0.043			0.007	0.043	0.050
BCCL	0.224	1.226		0.193	1.047	5.312	17.649	0.023	4.791	20.883	25.674
CCL					0.128	2.845	11.582		3.021	11.534	14.555
NCL											0
WCL					0.421				0.384	0.037	0.421
SECL			0.163						0.000	0.163	0.163
MCL											0
NEC											0
CIL	0.224	1.226	0.170	0.193	1.596	8.200	29.231	0.023	8.203	32.660	40.863
SCCL											0
JKML											0
JSMDCL											0
DVC							0.193			0.193	0.193
IISCO						0.084	0.771		0.855	0.000	0.855
APMDTCL											0
WBPDCCL											0
SAIL							0.014		0.014	0.000	0.014
DVC EMTA											0
PUBLIC	0.224	1.226	0.170	0.193	1.596	8.284	30.209	0.023	9.072	32.853	41.925
BECML											0
ICML											0
JSPL											0
HIL											0
Meghalaya											0
TSL					0.005	2.148	4.850		7.003	0.000	7.003
MIL											0
BLA											0
CML											0
PANEM											0
PIL											0
JNL											0
JPL											0
SIL											0
UML											0
KEMTA											0
SEML											0
ESCL							0.022			0.022	0.022
BS ISPAT											0
PRIVATE	0.000	0.000	0.000	0.000	0.005	2.148	4.872	0.000	7.003	0.022	7.025
India (10-11)	0.224	1.226	0.170	0.193	1.601	10.432	35.081	0.023	16.075	32.875	48.950
India (09-10)	0.091	1.057	0.158	0.291	1.756	9.114	30.000	0.002	15.144	27.296	42.469
India (08-09)	0.064	0.871	0.171	0.309	2.551	7.841	23.865	0.052	15.061	20.663	35.724

TABLE 4.12A: GRADEWISE DESPATCHES OF NON COKING COAL BY COMPANIES IN 2010-11

(Million Tonnes)

Companies	DESPATCHES OF NON-COKING COAL										Total Coal
	A	B	C	D	E	F	G	SLV2	Ungr	Tot. NCKg	
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
ECL	0.987	11.307	2.822	1.553	1.077	11.568				29.314	29.364
BCCL		0.002	2.651	0.924						3.577	29.251
CCL	0.175	0.404	3.009		23.458	4.259			0.358	31.663	46.218
NCL		0.809	20.338	7.941	35.120					64.208	64.208
WCL		0.476	3.020	11.134	26.259	1.241				42.130	42.551
SECL	2.238	11.508	9.085	4.368	0.478	81.160				108.837	109.000
MCL		0.338	0.051	1.869	14.524	85.293	0.012			102.087	102.087
NEC	1.102									1.102	1.102
CIL	4.502	24.844	40.976	27.789	100.916	183.521	0.012	0.000	0.358	382.918	423.781
SCCL	0.051	0.689	8.391	15.688	12.693	11.111	0.647		0.776	50.046	50.046
JKML									0.025	0.025	0.025
JSMDCL						0.399				0.399	0.399
0.421										0	0.193
IISCO		0.109	0.069						0.056	0.234	1.089
APMDTCL	0.245									0.245	0.245
WBPDCCL									0.268	0.268	0.268
SAIL										0	0.014
DVC EMTA										0	0
PUBLIC	4.798	25.642	49.436	43.477	113.609	195.031	0.659	0.000	1.483	434.135	476.060
BECML			2.883							2.883	2.883
ICML						2.923				2.923	2.923
JSPL						0.600	5.395			5.995	5.995
HIL						2.272				2.272	2.272
Meghalaya	6.974									6.974	6.974
TSL				0.023						0.023	7.026
MIL				0.458		0.502				0.960	0.960
BLA		0.006	0.003	0.209	0.079					0.297	0.297
CML										0	0
PANEM			2.438	4.063	1.219	0.406				8.126	8.126
PIL				1.000						1.000	1.000
JNL				0.294		0.183				0.477	0.477
JPL						5.249				5.249	5.249
SIL					0.102					0.102	0.102
UML					0.300					0.300	0.300
KEMTA					2.368					2.368	2.368
SEML						0.410	0.021			0.431	0.431
ESCL										0	0.022
BS ISPAT										0	0
PRIVATE	6.974	0.006	5.324	6.047	4.068	12.545	5.416	0	0	40.380	47.405
India (10-11)	11.772	25.648	54.760	49.524	117.677	207.576	6.075	0	1.483	474.515	523.465
India (09-10)	10.266	27.689	53.242	52.679	118.933	205.325	2.712	0	0.477	471.323	513.792
India (08-09)	4.023	26.024	46.101	53.338	117.612	191.143	8.833	0.437	5.937	453.448	489.172

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 2010-11
(Million Tonnes)

Grade	Andhra Pradesh	Arunachal Pradesh	Assam	Chhattisgarh	Jammu & Kashmir	Jharkhand	Madhya Pradesh	Maharashtra	Meghalaya	Orissa	Uttar Pradesh	West Bengal	India (10-11)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Steel-I						0.215						0.009	0.224
Steel-II						1.226							1.226
SC-I				0.163								0.007	0.170
Wash-I						0.193							0.193
Wash-II						1.180	0.421						1.601
Wash-III						10.432							10.432
Wash-IV						35.081							35.081
SLV1												0.023	0.023
Met.Coal						15.675	0.384					0.016	16.075
Non Met				0.163		32.652	0.037					0.023	32.875
Tot Ckg.	0	0	0	0.163	0	48.327	0.421	0	0	0	0	0.039	48.950
A	0.051	0.245	1.102	0.894		0.464	1.344		6.974			0.698	11.772
B	0.689			9.210		0.472	3.248	0.341		0.338		11.350	25.648
C	8.391			3.097		9.346	26.999	2.122		0.051	0.228	4.526	54.760
D	15.688			2.200		5.865	8.864	8.261		1.869	6.079	0.698	49.524
E	12.693			0.478		25.173	28.825	26.275		14.524	8.828	0.881	117.677
F	11.111			88.104		16.632		1.241		87.565		2.923	207.576
G	0.647			5.416						0.012			6.075
SLV2													0
Ungr	0.776				0.025	0.358						0.324	1.483
Tot. Nckg	50.046	0.245	1.102	109.399	0.025	58.310	69.280	38.240	6.974	104.359	15.135	21.400	474.515
Total Coal	50.046	0.245	1.102	109.562	0.025	106.637	69.701	38.240	6.974	104.359	15.135	21.439	523.465

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

Table 4.14: GRADEWISE DESPATCHES OF COKING COAL AND NON COKING COAL IN INDIA DURING LAST TEN YEARS
(Million Tonnes)

Type	Grade	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
COKING COAL	Steel-I	0.206	0.255	0.191	0.146	0.130	0.133	0.089	0.064	0.091	0.224
	Steel-II	0.547	0.270	0.099	0.106	0.976	0.512	0.280	0.871	1.057	1.226
	SC-1	0.466	0.209	0.212	0.204	0.188	0.188	0.178	0.171	0.158	0.170
	Wash-I	0.452	0.490	0.373	0.329	0.228	0.275	0.462	0.309	0.291	0.193
	Wash-II	3.476	3.849	4.294	2.622	4.490	3.242	2.106	2.551	1.756	1.601
	Wash-III	5.899	6.285	5.848	7.217	5.742	6.893	7.212	7.841	9.114	10.432
	Wash-IV	18.486	19.546	19.876	20.008	18.586	20.600	23.014	23.865	30.000	35.081
	SLV1				0.116	0.197	0.084	0.202	0.052	0.002	0.023
	Met.Coal	16.088	16.646	16.651	17.559	16.495	16.334	16.438	15.061	15.144	16.075
	Non Met	13.444	14.258	14.242	13.189	14.042	15.593	17.105	20.663	27.325	32.875
	Total Coking	29.532	30.904	30.893	30.748	30.537	31.927	33.543	35.724	42.469	48.950
NON - COKING COAL	A	3.258	3.301	3.707	3.704	4.360	4.825	4.650	4.023	10.266	11.772
	B	23.312	24.430	23.198	24.342	23.556	23.524	24.717	26.024	27.689	25.648
	C	46.921	44.033	49.252	48.467	48.680	52.197	53.177	46.101	53.242	54.760
	D	42.871	40.575	42.088	43.072	43.215	42.543	47.928	53.338	52.679	49.524
	E	66.082	72.256	75.444	80.282	90.436	93.693	101.850	117.612	118.933	117.677
	F	109.699	114.850	124.045	137.959	142.501	157.304	174.411	191.143	205.325	207.576
	SLV	1.998	0.263	3.648	2.254	6.501	7.652	6.375	8.833	2.712	0.000
	G	0.293	3.566	0.067	0.000	0.000	0.000	0.000	0.437	0.000	6.075
	Ungr	5.175	4.430	5.650	7.830	5.801	6.135	6.916	5.937	0.477	1.483
		Total Non-coking	299.609	307.704	327.099	347.910	365.050	387.873	420.024	453.448	471.323
TOTAL COAL		329.141	338.608	357.992	378.658	395.587	419.800	453.567	489.172	513.792	523.465

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

TABLE 4.15: MODEWISE COMPANYWISE DESPATCHES OF COAL (External & Internal) /COAL PRODUCTS (Washed Coal & Middlings) IN 2010-11
(Million Tonnes).

Company	Raw Coal/Coal Product	YEAR 2010-11 (External)							YEAR 2010-11 (Internal)							Grand Total
		RAIL	ROAD	MGR	BELT	ROPE	Other	TOTAL	RAIL	ROAD	MGR	BELT	ROPE	Other	TOTAL	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ECL	RC	17.755	1.554	10.055				29.364							0.000	29.364
BCCL	RC	19.915	5.186					25.101	1.370	2.780					4.150	29.251
BCCL	CP	1.826	0.880					2.706							0.000	2.706
CCL	RC	22.315	11.709					34.024		12.194					12.194	46.218
CCL	CP	10.394	0.017					10.411							0.000	10.411
NCL	RC	20.350	4.045	35.321		0.903		60.619		3.589					3.589	64.208
NCL	CP	3.332						3.332							0.000	3.332
WCL	RC	17.539	20.153	0.813	1.236	2.426		42.167						0.384	0.384	42.551
WCL	CP	0.331						0.331							0.000	0.331
SECL	RC	40.463	41.737	18.249	5.482		3.069	109.000							0.000	109.000
MCL	RC	59.239	25.125	16.107	1.616			102.087							0.000	102.087
NEC	RC	0.857	0.245					1.102							0.000	1.102
CIL	RC	198.433	109.754	80.545	8.334	3.329	3.069	403.464	1.370	18.563	0.000	0.000	0.000	0.384	20.317	423.781
CIL	CP	15.883	0.897	0.000	0.000	0.000	0.000	16.780	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.780
SCCL	RC	27.021	11.846	9.427		0.513		48.807		1.239					1.239	50.046
SCCL	CP		0.651					0.651							0.000	0.651
JKML	RC		0.025					0.025							0.000	0.025
JSMDCL	RC		0.399					0.399							0.000	0.399
DVC	RC		0.193					0.193							0.000	0.193
IISCO	RC		0.234					0.234	0.855						0.855	1.089
IISCO	CP	0.844						0.844							0.000	0.844
APMDTCL	RC		0.245					0.245							0.000	0.245
WBPDCCL	RC	0.268						0.268							0.000	0.268
SAIL	RC							0.000	0.014						0.014	0.014
PUBLIC	RC	225.722	122.696	89.972	8.334	3.842	3.069	453.635	2.239	19.802	0.000	0.000	0.000	0.384	22.425	476.060
PUBLIC	CP	16.727	1.548	0.000	0.000	0.000	0.000	18.275	0.000	0.000	0.000	0.000	0.000	0.000	0.000	18.275
BECML	RC	2.883						2.883							0.000	2.883
ICML	RC		2.923					2.923							0.000	2.923
JSPL	RC		0.220					0.220				5.775			5.775	5.995
JSPL	CP		5.713					5.713							0.000	5.713
HIL	RC		2.272					2.272							0.000	2.272
MEG	RC		6.974					6.974							0.000	6.974
TISCO	RC		0.023					0.023		0.411		4.547	2.045		7.003	7.026
TISCO	CP	5.368	0.074					5.442							0.000	5.442
MIL	RC		0.960					0.960							0.000	0.960
BLA	RC							0.000		0.297					0.297	0.297
BLA	CP		0.255					0.255							0.000	0.255
CML	RC							0.000							0.000	0.000
PANEM	RC	8.126						8.126							0.000	8.126
PIL	RC		1.000					1.000							0.000	1.000
JNL	RC	0.077	0.400					0.477							0.000	0.477
JPL	RC		0.030		5.219			5.249							0.000	5.249
SIL	RC	0.044	0.058					0.102							0.000	0.102
UML	RC		0.300					0.300							0.000	0.300
KEMTA	RC		2.368					2.368							0.000	2.368
ESCL	RC		0.022					0.022							0.000	0.022
SEML	RC	0.030	0.401					0.431							0.000	0.431
PRIVATE	RC	11.160	17.951	0.000	5.219	0.000	0.000	34.330	0.000	0.708	0.000	10.322	2.045	0.000	13.075	47.405
PRIVATE	CP	5.368	6.042	0.000	0.000	0.000	0.000	11.410	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.410
INDIA	RC	236.882	140.647	89.972	13.553	3.842	3.069	487.965	2.239	20.510	0.000	10.322	2.045	0.384	35.500	523.465
INDIA	CP	22.095	7.590	0.000	0.000	0.000	0.000	29.685	0.000	0.000	0.000	0.000	0.000	0.000	0.000	29.685

TABLE 4.16A: COMPANYWISE OFF-TAKE OF RAW COAL TO DIFFERENT PRIORITY SECTORS (INCLUDING WASHERIES) DURING 2010-11

(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	26.209	0.534	0.007		0.039		0.465	0.157		0.329		0.039	0.098	0.017		1.470	29.364	0.244	0.136	29.744
BCCL	19.713	0.132	0.173	3.833	1.351	0.317			1.105							2.627	29.251	0.069	0.022	29.342
CCL	21.592	2.303	0.358	3.022		9.172		0.218	0.945	1.446		0.057			7.105	46.218		0.010	46.228	
NCL	55.029	3.313				3.589				0.109	0.248				1.920	64.208			64.208	
WCL	30.848	1.341		0.384	0.037			1.902		0.369		0.104	0.474	0.098	6.994	42.551	0.009		42.560	
SECL	76.253	9.834	0.163				0.592	4.787	0.702	4.302		0.014	0.248	0.039	12.066	109.000		0.020	109.020	
MCL	61.174	13.551						0.260	0.030	5.516	0.534	0.012	0.342		20.668	102.087	0.005		102.092	
NEC	0.393							0.069			0.384		0.095		0.161	1.102			1.102	
CIL	291.211	31.008	0.701	7.239	1.427	13.078	1.057	7.393	2.782	12.071	1.166	0.226	1.257	0.154	0.000	53.011	423.781	0.327	0.188	424.296
SCCL	32.149	3.259				1.239	0.131	6.789		1.565		0.283	1.175	0.121	0.114	3.221	50.046	0.098		50.144
JKML																0.025	0.025			0.025
JSMDCL	0.080								0.160						0.159		0.399			0.399
APMDTCL																0.245	0.245			0.245
DVC	0.193																0.193	0.001		0.194
DVC EMTA																	0.000			0.000
IISCO				0.855			0.177									0.057	1.089			1.089
TASRA				0.014													0.014			0.014
WBPDCCL	0.268																0.268			0.268
PUBLIC	323.901	34.267	0.701	8.108	1.427	14.317	1.365	14.182	2.942	13.636	1.166	0.509	2.432	0.275	0.273	56.559	476.060	0.425	0.189	476.674
BECML	2.883																2.883			2.883
ICML	2.923																2.923			2.923
JSPL						5.775				0.220							5.995			5.995
HIL		2.272															2.272			2.272
MEG															6.974		6.974			6.974
TISCO		0.023		7.003													7.026	0.007		7.033
MIL										0.960							0.960			0.960
BLA						0.297											0.297			0.297
CML																	0.000			0.000
PANEM	8.126																8.126			8.126
PIL										1.000							1.000			1.000
JNL										0.477							0.477			0.477
JPL		5.249															5.249			5.249
SIL										0.102							0.102			0.102
ESCL			0.022														0.022			0.022
UML										0.300							0.300			0.300
SEML		0.107								0.324							0.431			0.431
KEMTA	2.368																2.368			2.368
BSISPAT																	0.000			0.000
PRIVATE	16.300	7.651	0.022	7.003	0.000	6.072	0.000	0.000	0.000	3.383	0.000	0.000	0.000	0.000	0.000	6.974	47.405	0.007	0.000	47.412
ALL INDIA	340.201	41.918	0.723	15.111	1.427	20.389	1.365	14.182	2.942	17.019	1.166	0.509	2.432	0.275	0.273	63.533	523.465	0.432	0.189	524.086

TABLE 4.16B: COMPANYWISE OFF-TAKE OF LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2010-11

(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	2.548																2.548			2.548
GMDCL	2.977							0.108				1.106	2.519	1.028	0.529	1.965	10.232			10.232
NLCL	22.722							0.242				0.002	0.045		0.016	0.054	23.081			23.081
RSMML	0.711							0.011				0.014		0.147			0.883			0.883
GHCL	0.299																0.299			0.299
VS Lignite	0.642																0.642			0.642
TOTAL	29.899	0.000	0.000	0.000	0.000	0.000	0.000	0.361	0.000	0.000	0.000	1.122	2.564	1.175	0.545	2.019	37.685	0.000	0.000	37.685

TABLE 4.17: COMPANYWISE OFF-TAKE OF RAW COAL AND LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2010-11

(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)
COAL																		
ECL	26.209	0.534	0.007	0.039	0.465	0.157		0.329		0.039	0.098	0.017		1.470	29.364	0.244	0.136	29.744
BCCL	20.030	0.132	0.173	5.184			1.105							2.627	29.251	0.069	0.022	29.342
CCL	30.764	2.303	0.358	3.022		0.218	0.945	1.446		0.057				7.105	46.218		0.010	46.228
NCL	58.618	3.313						0.109	0.248					1.920	64.208			64.208
WCL	30.848	1.341		0.421		1.902		0.369		0.104	0.474	0.098		6.994	42.551	0.009		42.560
SECL	76.253	9.834	0.163		0.592	4.787	0.702	4.302		0.014	0.248	0.039		12.066	109.000		0.020	109.020
MCL	61.174	13.551				0.260	0.030	5.516	0.534	0.012	0.342			20.668	102.087	0.005		102.092
NEC	0.393					0.069			0.384		0.095			0.161	1.102			1.102
CIL	304.289	31.008	0.701	8.666	1.057	7.393	2.782	12.071	1.166	0.226	1.257	0.154	0.000	53.011	423.781	0.327	0.188	424.296
SCCL	32.788	3.259			0.131	7.389		1.565		0.283	1.175	0.121	0.114	3.221	50.046	0.098		50.144
JKML														0.025	0.025			0.025
JSMDCL	0.080						0.160					0.159			0.399			0.399
APMDTCL														0.245	0.245			0.245
DVC	0.193														0.193		0.001	0.194
DVC EMTA															0.000			0.000
IISCO				0.855	0.177									0.057	1.089			1.089
TASRA				0.014											0.014			0.014
WBPDCCL	0.268														0.268			0.268
PUBLIC	337.618	34.267	0.701	9.535	1.365	14.782	2.942	13.636	1.166	0.509	2.432	0.275	0.273	56.559	476.060	0.425	0.189	476.674
BECML	2.883														2.883			2.883
ICML	2.923														2.923			2.923
JSPL								5.995							5.995			5.995
HIL		2.272													2.272			2.272
MEG														6.974	6.974			6.974
TISCO		0.023		7.003											7.026	0.007		7.033
MIL								0.960							0.960			0.960
BLA						0.297									0.297			0.297
CML															0.000			0.000
PANEM	8.126														8.126			8.126
PIL								1.000							1.000			1.000
JNL								0.477							0.477			0.477
JPL		5.249													5.249			5.249
SIL								0.102							0.102			0.102
ESCL				0.022											0.022			0.022
UML								0.300							0.300			0.300
SEML		0.107						0.324							0.431			0.431
KEMTA	2.368														2.368			2.368
BSISPAT															0.000			0.000
PRIVATE	16.300	7.651	0.022	7.003	0.000	0.297	0.000	9.158	0.000	0.000	0.000	0.000	0.000	6.974	47.405	0.007	0.000	47.412
ALL INDIA	353.918	41.918	0.723	16.538	1.365	15.079	2.942	22.794	1.166	0.509	2.432	0.275	0.273	63.533	523.465	0.432	0.189	524.086

TABLE 4.17: COMPANYWISE OFF-TAKE OF RAW COAL AND LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2010-11

(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)
LIGNITE																		
GIPCL	2.548														2.548			2.548
GMDCL	2.977					0.108				1.106	2.519	1.028	0.529	1.965	10.232			10.232
NLCL	22.722					0.242				0.002	0.045		0.016	0.054	23.081			23.081
RSMMML	0.711					0.011				0.014		0.147			0.883			0.883
GHCL	0.299														0.299			0.299
VS Lignite	0.642														0.642			0.642
TOTAL	29.899					0.361				1.122	2.564	1.175	0.545	2.019	37.685			37.685

TABLE-4.18A: SECTORWISE OFFTAKE OF COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION -COMPANYWISE IN 2010-11

(Million Tonnes)

COMPANY	Type of coal/ coal products/Lignite	Power (Utility)	Power (Captive)	Metallurgical Use			Non Coking Washery	Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic-Metal	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)	(22)
ECL	RCE			0.007		0.039											0.004	0.050			0.050
	TOT	0.000	0.000	0.007	0.000	0.039				0.000							0.004	0.050	0.000	0.000	0.050
BCCL	RCE	17.610		0.173		1.351				0.825							1.882	21.841	0.053	0.018	21.912
	WC					1.506												1.506			1.506
	MID	0.626	0.254															0.880			0.880
	TOT	18.236	0.254	0.173	0.000	2.857				0.825							1.882	24.227	0.053	0.018	24.298
CCL	RCE	8.072		0.358						0.204							2.899	11.533		0.007	11.540
	WC					1.392												1.392			1.392
	MID	0.075				0.888												0.963			0.963
	TOT	8.147	0.000	0.358	0.000	2.280				0.204							2.899	13.888	0.000	0.007	13.895
WCL	RCE					0.037												0.037	0.001		0.038
	WC					0.193												0.193			0.193
	MID	0.138																0.138			0.138
	TOT	0.138	0.000	0.000	0.000	0.230				0.000							0.000	0.368	0.001	0.000	0.369
SECL	RCE			0.163														0.163			0.163
	WC																	0.000			0.000
	MID																	0.000			0.000
	TOT	0.000	0.000	0.163	0.000	0.000				0.000							0.000	0.163	0.000	0.000	0.163
CIL	RCE	25.682	0.000	0.701	0.000	1.427				1.029							4.785	33.624	0.054	0.025	33.703
	WC					3.091												3.091			3.091
	MID	0.839	0.254			0.888												1.981			1.981
	TOT	26.521	0.254	0.701	0.000	5.406				1.029							4.785	38.696	0.054	0.025	38.775
DVC	RCE	0.193																0.193		0.001	0.194
	WC																	0.000			0.000
	MID																	0.000			0.000
	TOT	0.193	0.000	0.000	0.000	0.000				0.000							0.000	0.193		0.001	0.194
IISCOJ	RCE																	0.000			0.000
	WC					0.601												0.601			0.601
	MID		0.243															0.243			0.243
	TOT	0.000	0.243	0.000	0.000	0.601				0.000							0.000	0.844			0.844
PUBLIC	RCE	25.875	0.000	0.701	0.000	1.427				1.029							4.785	33.817	0.054	0.026	33.897
	WC	0.000	0.000	0.000	0.000	3.692				0.000							0.000	3.692	0.000	0.000	3.692
	MID	0.839	0.497	0.000	0.000	0.888				0.000							0.000	2.224	0.000	0.000	2.224
	TOT	26.714	0.497	0.701	0.000	6.007				1.029							4.785	39.733	0.054	0.026	39.813
TISCO	RCE																	0.000	0.007		0.007
	WC					3.162												3.162			3.162
	MID	1.990	0.110														0.180	2.280			2.280
	TOT	1.990	0.110			3.162											0.180	5.442	0.007	0.000	5.449
ESCL	RCE			0.022														0.022			0.022
	WC																	0.000			0.000
	MID																	0.000			0.000
	TOT			0.022														0.022			0.022
PRIVATE	RCE			0.022		0.000											0.000	0.022	0.007	0.000	0.029
	WC					3.162											0.000	3.162			3.162
	MID	1.990	0.110			0.000											0.180	2.280			2.280
	TOT	1.990	0.110	0.022	0.000	3.162				0.000							0.180	5.464	0.007	0.000	5.471
India (10-11)	RCE	25.875	0.000	0.723	0.000	1.427				1.029							4.785	33.839	0.061	0.026	33.926
	WC	0.000	0.000	0.000	0.000	6.854				0.000							0.000	6.854	0.000	0.000	6.854
	MID	2.829	0.607	0.000	0.000	0.888				0.000							0.180	4.504	0.000	0.000	4.504
	TOT	28.704	0.607	0.723	0.000	9.169				1.029							4.965	45.197	0.061	0.026	45.284

TABLE-4.18B: SECTORWISE OFFTAKE OF NON-COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION-COMPANYWISE IN 2010-11

(Million Tonnes)																	
COMPANY	Type of coal/ coal products/Lignite	Power (Utility)	Power (Captive)	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)
ECL	RCE	26.209	0.534	0.465	0.157		0.329		0.039	0.098	0.017		1.466	29.314	0.244	0.136	29.694
	TOT	26.209	0.534	0.465	0.157	0.000	0.329	0.000	0.039	0.098	0.017	0.000	1.466	29.314	0.244	0.136	29.694
BCCL	RCE	2.103	0.132			0.280							0.745	3.260	0.016	0.004	3.280
	WC	0.320												0.320			0.320
	TOT	2.423	0.132	0.000	0.000	0.280	0.000	0.000	0.000	0.000	0.000	0.000	0.745	3.580	0.016	0.004	3.600
CCL	RCE	13.520	2.303		0.218	0.741	1.448		0.057				4.204	22.491		0.003	22.494
	WC	8.026	0.030											8.056			8.056
	TOT	21.546	2.333	0.000	0.218	0.741	1.448	0.000	0.057	0.000	0.000	0.000	4.204	30.547	0.000	0.003	30.550
NCL	RCE	55.029	3.313				0.109	0.248					1.920	60.619			60.619
	WC	3.332												3.332			3.332
	TOT	58.361	3.313	0.000	0.000	0.000	0.109	0.248	0.000	0.000	0.000	0.000	1.920	63.951	0.000	0.000	63.951
WCL	RCE	30.848	1.341		1.902		0.369		0.104	0.474	0.098		6.994	42.130	0.008		42.138
	TOT	30.848	1.341		1.902		0.369		0.104	0.474	0.098		6.994	42.130	0.008		42.138
SECL	RCE	76.253	9.834	0.592	4.787	0.702	4.302		0.014	0.248	0.039		12.066	108.837		0.020	108.857
	TOT	76.253	9.834	0.592	4.787	0.702	4.302	0.000	0.014	0.248	0.039	0.000	12.066	108.837	0.000	0.020	108.857
MCL	RCE	61.174	13.551		0.260	0.030	5.516	0.534	0.012	0.342			20.668	102.087	0.005		102.092
	TOT	61.174	13.551	0.000	0.260	0.030	5.516	0.534	0.012	0.342	0.000	0.000	20.668	102.087	0.005	0.000	102.092
NEC	RCE	0.393			0.069			0.385		0.095			0.160	1.102			1.102
	TOT	0.393	0.000	0.000	0.069	0.000	0.000	0.385	0.000	0.095	0.000	0.000	0.160	1.102	0.000	0.000	1.102
CIL	RCE	265.529	31.008	1.057	7.393	1.753	12.073	1.167	0.226	1.257	0.154	0.000	48.223	369.840	0.273	0.163	370.276
	WC	11.678	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.708	0.000	0.000	11.708
	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
	TOT	277.207	31.038	1.057	7.393	1.753	12.073	1.167	0.226	1.257	0.154	0.000	48.223	381.548	0.273	0.163	381.984
SCCL	RCE	32.149	3.259	0.131	6.789		1.565		0.283	1.175	0.121	0.114	3.221	48.807	0.098		48.905
	WC	0.234	0.039		0.251		0.005				0.016	0.003	0.103	0.651			0.651
	TOT	32.383	3.298	0.131	7.040	0.000	1.570	0.000	0.283	1.175	0.137	0.117	3.324	49.458	0.098	0.000	49.556
JKML	RCE												0.025	0.025			0.025
	TOT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.025	0.000	0.000	0.025
JSMDCL	RCE	0.080				0.159							0.160	0.399			0.399
	TOT	0.080	0.000	0.000	0.000	0.159	0.000	0.000	0.000	0.000	0.000	0.160	0.000	0.399	0.000	0.000	0.399
IISCO	RCE			0.177									0.057	0.234			0.234
	TOT	0.000	0.000	0.177	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.234	0.000	0.000	0.234
APMDTCL	RCE												0.245	0.245			0.245
	TOT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.245	0.245	0.000	0.000	0.245
WBPDCL	RCE	0.268												0.268			0.268
	TOT	0.268	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.268	0.000	0.000	0.268
TASRA	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
PUBLIC	RCE	298.026	34.267	1.365	14.182	1.912	13.638	1.167	0.509	2.432	0.275	0.274	51.771	419.818	0.371	0.163	420.352
	WC	11.912	0.069	0.000	0.251	0.000	0.005	0.000	0.000	0.000	0.016	0.003	0.103	12.359	0.000	0.000	12.359
	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
	TOT	309.938	34.336	1.365	14.433	1.912	13.643	1.167	0.509	2.432	0.291	0.277	51.874	432.177	0.371	0.163	432.711

Contd...

TABLE-4.18B: SECTORWISE OFFTAKE OF NON-COKING COAL (RAW COAL, WASHED COAL & MIDDLING) FOR FINAL CONSUMPTION-COMPANYWISE IN 2010-11

(Million Tonnes)																	
COMPANY	Type of coal/ coal products/Lignite	Power (Utility)	Power (Captive)	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)
BECML	RCE	2.883												2.883			2.883
	TOT	2.883	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.883	0.000	0.000	2.883
ICML	RCE	2.923												2.923			2.923
	TOT	2.923	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.923	0.000	0.000	2.923
JSPL	RCE						0.220							0.220			0.220
	WC						1.923							1.923			1.923
	MID	0.741	3.049											3.790			3.790
	TOT	0.741	3.049	0.000	0.000	0.000	2.143	0.000	0.000	0.000	0.000	0.000	0.000	5.933	0.000	0.000	5.933
HIL	RCE		2.272											2.272			2.272
	TOT	0.000	2.272	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.272	0.000	0.000	2.272
MEG	RCE												6.974	6.974			6.974
	TOT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.974	6.974	0.000	0.000	6.974
MIL	RCE						0.960							0.960			0.960
	TOT	0.000	0.000	0.000	0.000	0.000	0.960	0.000	0.000	0.000	0.000	0.000	0.000	0.960	0.000	0.000	0.960
BLA	RCE													0.000			0.000
	WC				0.255									0.255			0.255
	TOT	0.066	0.000	0.000	0.255	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.255	0.000	0.000	0.255
TISCO	RCE		0.023											0.023			0.023
	TOT	0.000	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000	0.000	0.023
PANEM	RCE	8.126												8.126			8.126
	TOT	8.126	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.126	0.000	0.000	8.126
PIL	RCE						1.000							1.000			1.000
	TOT	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						0.477							0.477			0.477
	TOT	0.000	0.000	0.000	0.000	0.000	0.477	0.000	0.000	0.000	0.000	0.000	0.000	0.477	0.000	0.000	0.477
JPL	RCE		5.249											5.249			5.249
	TOT	0.000	5.249	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.249	0.000	0.000	5.249
SIL	RCE						0.102							0.102			0.102
	TOT	0.000	0.000	0.000	0.000	0.000	0.102	0.000	0.000	0.000	0.000	0.000	0.000	0.102	0.000	0.000	0.102
UML	RCE						0.300							0.300			0.300
	TOT	0.000	0.000	0.000	0.000	0.000	0.300	0.000	0.000	0.000	0.000	0.000	0.000	0.300	0.000	0.000	0.300
KEMTA	RCE	2.368												2.368			2.368
	TOT	2.368	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.368	0.000	0.000	2.368
SEML	RCE		0.107				0.324							0.431			0.431
	TOT	0.000	0.107	0.000	0.000	0.000	0.324	0.000	0.000	0.000	0.000	0.000	0.000	0.431	0.000	0.000	0.431
PRIVATE	RCE	16.300	7.651	0.000	0.000	0.000	3.383	0.000	0.000	0.000	0.000	0.000	6.974	34.308	0.000	0.000	34.308
	WC	0.000	0.000	0.000	0.255	0.000	1.923	0.000	0.000	0.000	0.000	0.000	0.000	2.178	0.000	0.000	2.178
	MID	0.741	3.049	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.790	0.000	0.000	3.790
	TOT	17.041	10.700	0.000	0.255	0.000	5.306	0.000	0.000	0.000	0.000	0.000	6.974	40.276	0.000	0.000	40.276
India(10-11)	RCE	314.326	41.918	1.365	14.182	1.912	17.021	1.167	0.509	2.432	0.275	0.274	58.745	454.126	0.371	0.163	454.660
	WC	11.912	0.069	0.000	0.506	0.000	1.928	0.000	0.000	0.000	0.016	0.003	0.103	14.537	0.000	0.000	14.537
	MID	0.741	3.049	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.790	0.000	0.000	3.790
	TOT	326.979	45.036	1.365	14.688	1.912	18.949	1.167	0.509	2.432	0.291	0.277	58.848	472.453	0.371	0.163	472.987

TABLE-4.19: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDLEINGS FOR FINAL CONSUMPTION TO DIFFERENT STATES: 2010-11
(Thousand 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)	37.172	3.363			0.121	4.510		0.821	0.277	0.969	0.031	0.110	2.872	50.246	0.098			50.344
An. Pradesh	Washed Coal	0.234	0.039		0.385		0.206		0.005				0.016	0.003	0.102	0.990			0.990
An. Pradesh	Tot Coal (FC)	37.406	3.402		0.385	0.121	4.716		0.826	0.277	0.969	0.047	0.113	2.974	51.236	0.098			51.334
Aru. Pradesh	Raw Coal (FC)														0.263	0.263			0.263
Aru. Pradesh	Tot Coal (FC)														0.263	0.263			0.263
Assam	Raw Coal (FC)						0.029			0.097	0.095				0.018	0.239			0.239
Assam	Tot Coal (FC)						0.029			0.097	0.095				0.018	0.239			0.239
Bihar	Raw Coal (FC)	10.513			0.035		0.049			0.002	0.013				1.702	12.314			12.314
Bihar	Tot Coal (FC)	10.513			0.035		0.049			0.002	0.013				1.702	12.314			12.314
Chhattisgarh	Raw Coal (FC)	34.579	11.644	0.160	0.000	0.592	1.471		6.758			0.023			7.509	62.736		0.007	62.743
Chhattisgarh	Washed Coal								1.923							2.869			2.869
Chhattisgarh	Middlings	0.741	3.061		0.030											3.832			3.832
Chhattisgarh	Tot Coal (FC)	35.320	14.705	0.160	0.976	0.592	1.471		8.681			0.023			7.509	69.437		0.007	69.444
Delhi	Raw Coal (FC)	1.340													0.131	1.471			1.471
Delhi	Washed Coal	1.599														1.599			1.599
Delhi	Tot Coal (FC)	2.939													0.131	3.070			3.070
Gujarat	Raw Coal (FC)	18.507	0.394				0.168	0.375			0.063	0.004	0.023		0.271	19.805			19.805
Gujarat	Tot Coal (FC)	18.507	0.394				0.168	0.375			0.063	0.004	0.023		0.271	19.805			19.805
Haryana	Raw Coal (FC)	12.270	0.060					0.622		0.035	0.001	0.061			0.078	13.127			13.127
Haryana	Washed Coal	0.494														0.494			0.494
Haryana	Tot Coal (FC)	12.764	0.060					0.622		0.035	0.001	0.061			0.078	13.621			13.621
H.Pradesh	Raw Coal (FC)		0.074				0.541								0.034	0.649			0.649
H.Pradesh	Tot Coal (FC)		0.074				0.541								0.034	0.649			0.649
J.& K	Raw Coal (FC)						0.051								0.108	0.159			0.159
J.& K	Tot Coal (FC)						0.051								0.108	0.159			0.159
Jharkhand	Raw Coal (FC)	14.456	1.495	0.445	1.200		0.075	0.160	1.697	0.024			0.159	4.384	24.095	0.078	0.044		24.217
Jharkhand	Washed Coal	0.837	0.030		3.041											3.908			3.908
Jharkhand	Middlings	2.057	0.110		0.543									0.118	2.828				2.828
Jharkhand	Tot Coal (FC)	17.350	1.635	0.445	4.784		0.075	0.160	1.697	0.024			0.159	4.502	30.831	0.078	0.044		30.953
Kerala	Raw Coal (FC)						0.034				0.179					0.213			0.213
Kerala	Tot Coal (FC)						0.034				0.179					0.213			0.213
Karnataka	Raw Coal (FC)	7.667	1.235			0.010	1.924		0.694	0.006	0.277	0.090	0.004	0.193	12.100				12.100
Karnataka	Washed Coal						0.045							0.001	0.046				0.046
Karnataka	Tot Coal (FC)	7.667	1.235			0.010	1.969		0.694	0.006	0.277	0.090	0.004	0.194	12.146				12.146
Maharashtra	Raw Coal (FC)	34.997	0.611				1.817		0.720	0.031	0.283	0.055		5.441	43.955	0.004			43.959
Maharashtra	Tot Coal (FC)	34.997	0.611				1.817		0.720	0.031	0.283	0.055		5.441	43.955	0.004			43.959
Meghalaya	Raw Coal (FC)						0.040							6.982	7.022				7.022
Meghalaya	Tot Coal (FC)						0.040							6.982	7.022				7.022

Contd....

TABLE-4.19: SECTORWISE OFFTAKE OF RAW COAL, WASHED COAL, MIDDLINGS FOR FINAL CONSUMPTION TO DIFFERENT STATES: 2010-11
(Thousand 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)	31.505	2.658	0.037			1.993		0.077		0.010	0.227	0.059		3.084	39.650	0.005	0.013	39.668
M. Pradesh	Washed Coal						0.255									0.255			0.255
M. Pradesh	Middlings	0.138														0.138			0.138
M. Pradesh	Tot Coal (FC)	31.643	2.658	0.037			2.248		0.077		0.010	0.227	0.059		3.084	40.043	0.005	0.013	40.061
Orissa	Raw Coal (FC)	21.162	13.077	0.039		0.205	0.337	0.030	4.842	0.534	0.012	0.148			21.803	62.189	0.005		62.194
Orissa	Washed Coal				0.496											0.496			0.496
Orissa	Middlings		0.023	0.101											0.004	0.128			0.128
Orissa	Tot Coal (FC)	21.162	13.100	0.039	0.597	0.205	0.337	0.030	4.842	0.534	0.012	0.148			21.807	62.813	0.005		62.818
Panjab	Raw Coal (FC)	12.545	0.260					1.111		0.246					0.240	14.402			14.402
Panjab	Washed Coal	0.049														0.049			0.049
Panjab	Tot Coal (FC)	12.594	0.260					1.111		0.246					0.240	14.451			14.451
Rajasthan	Raw Coal (FC)	12.654	1.892				0.722	0.327		0.014					0.191	15.800			15.800
Rajasthan	Washed Coal	1.725														1.725			1.725
Rajasthan	Tot Coal (FC)	14.379	1.892				0.722	0.327		0.014					0.191	17.525			17.525
Tamilnadu	Raw Coal (FC)	12.695	0.488				0.246	0.115				0.073			0.030	13.647			13.647
Tamilnadu	Tot Coal (FC)		0.488				0.246	0.115				0.073			0.030	13.647			13.647
U. Pradesh	Raw Coal (FC)	41.286	3.871	0.131			0.169	0.317	0.177	0.249	0.021	0.022			5.683	51.926			51.926
U. Pradesh	Washed Coal	6.974														6.974			6.974
U. Pradesh	Middlings	0.249													0.058	0.307			0.307
U. Pradesh	Tot Coal (FC)	48.509	3.871	0.131			0.169	0.317	0.177	0.249	0.021	0.022			5.741	59.207			59.207
Uttaranchal	Raw Coal (FC)		0.402												0.344	0.746			0.746
Uttaranchal	Tot Coal (FC)		0.402												0.344	0.746			0.746
W. Bengal	Raw Coal (FC)	36.853	0.394	0.079	0.024	0.437	0.006		1.089	0.002	0.037	0.072	0.017		1.816	40.826	0.242	0.125	41.193
W. Bengal	Washed Coal				1.986											1.986			1.986
W. Bengal	Middlings	0.385	0.462	0.214												1.061			1.061
W. Bengal	Tot Coal (FC)	37.238	0.856	0.079	2.224	0.437	0.006		1.089	0.002	0.037	0.072	0.017		1.816	43.873	0.242	0.125	44.240
Others	Raw Coal (FC)								0.031	0.001					0.353	0.385			0.385
Others	Tot Coal (FC)								0.031	0.001					0.353	0.385			0.385
All India	Raw Coal (FC)	340.201	41.918	0.723	1.427	1.365	14.182	2.942	17.021	1.166	0.509	2.433	0.275	0.273	63.530	487.965	0.432	0.189	488.586
All India	Washed Coal	11.912	0.069		6.854		0.506		1.928				0.016	0.003	0.103	21.391			21.391
All India	Middlings	3.570	3.656	0.888											0.180	8.294			8.294
All India	Tot Coal (FC)	355.683	45.643	0.723	9.169	1.365	14.688	2.942	18.949	1.166	0.509	2.433	0.291	0.276	63.813	517.650	0.432	0.189	518.271

TABLE 4.20 : AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL FROM PUBLIC & PRIVATE SECTORS DURING LAST TEN YEARS
(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)
2001-02	21.372	312.525	333.897	313.872	1.794	315.666	18.075	0.060	15.262	15.322	15.269	0.004	15.273	0.049	21.432	327.787	349.219	329.141	1.798	330.939	18.124
2002-03	18.075	325.433	343.508	322.771	1.479	324.250	19.347	0.049	15.839	15.888	15.837	0.003	15.840	0.047	18.124	341.272	359.396	338.608	1.482	340.090	19.394
2003-04	19.347	341.841	361.188	338.705	1.324	340.029	21.144	0.047	19.414	19.461	19.287	0.002	19.289	0.147	19.394	361.255	380.649	357.992	1.326	359.318	21.291
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

TABLE 4.21 : AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL FROM CAPTIVE AND NON-CAPTIVE MINES DURING LAST TEN YEARS

(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)
2001-02	0.135	11.084	11.219	11.074	0.012	11.086	0.098	21.297	316.703	338.000	318.067	1.786	319.853	18.026	21.432	327.787	349.219	329.141	1.798	330.939	18.124
2002-03	0.098	16.830	16.928	16.846	0.010	16.856	0.142	18.026	324.442	342.468	321.762	1.472	323.234	19.252	18.124	341.272	359.396	338.608	1.482	340.090	19.394
2003-04	0.142	20.565	20.707	20.453	0.009	20.462	0.211	19.252	340.690	359.942	337.539	1.317	338.856	21.080	19.394	361.255	380.649	357.992	1.326	359.318	21.291
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	532.042	579.359	513.792	0.762	514.554	64.863
2010-11	1.732	34.224	35.956	33.664	0.000	33.664	0.719	63.131	498.470	561.603	489.801	0.621	490.423	71.473	64.863	532.694	597.559	523.465	0.621	524.087	72.192

TABLE 4.22: AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2009-10 & 2010-11
(Million Tonnes)

Company	2009-10							2010-11						
	A V A I L A B I L I T Y			O F F - T A K E			Closing Stock	A V A I L A B I L I T Y			O F F - T A K E			Closing Stock
	Opening Stock	Production	Total	Despatches	Colliery Consumption	Total		Opening Stock	Production	Total	Despatches	Colliery Consumption	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
CIL	46.570	431.259	477.829	415.220	0.659	415.879	61.866	61.866	431.321	493.187	423.781	0.515	424.296	68.900
SCCL	0.152	50.429	50.581	49.266	0.102	49.368	1.224	1.224	51.333	52.557	50.046	0.098	50.144	2.413
JKML	0.002	0.023	0.025	0.017		0.017	0.008	0.008	0.024	0.032	0.025		0.025	0.004
JSMDCL		0.461	0.461	0.461		0.461	0.000	0.000	0.399	0.399	0.399		0.399	0.000
DVC	0.064	0.141	0.205	0.205		0.205	0.000	0.000	0.311	0.311	0.193	0.001	0.194	0.117
IISCO	0.010	1.298	1.308	1.291	0.001	1.292	0.015	0.015	1.082	1.097	1.089		1.089	0.008
APMDTCL	0.022	0.251	0.273	0.226		0.226	0.049	0.049	0.299	0.348	0.245		0.245	0.104
SAIL		0.063	0.063	0.058		0.058	0.000	0.000	0.014	0.014	0.014		0.014	0.000
WBPDC		0.115	0.115	0.101		0.101	0.013	0.013	0.257	0.270	0.268		0.268	0.002
DVC EMTA									0.021	0.021	0.000		0.000	0.021
PUBLIC	46.820	484.040	484.054	466.845	0.762	467.607	63.175	63.175	485.061	548.236	476.060	0.614	476.674	71.569
BECML	0.014	3.303	3.432	3.300	0.000	3.300	0.013	0.013	2.876	2.889	2.883		2.883	0.006
ICML	0.129	3.213	3.214	2.985	0.000	2.985	0.357	0.357	2.929	3.286	2.923		2.923	0.363
JSPL	0.001	5.999	5.999	5.999	0.000	5.999	0.001	0.001	5.999	6.000	5.995		5.995	0.005
MEGA	0.000	5.767	5.797	5.767	0.000	5.767	0.000	0.000	6.974	6.974	6.974		6.974	0.000
TSL	0.030	7.210	7.226	7.221	0.000	7.221	0.018	0.018	7.026	7.044	7.026	0.007	7.033	0.010
MIL	0.016	1.000	1.003	1.000	0.000	1.000	0.016	0.016	0.952	0.968	0.960		0.960	0.007
BLA	0.003	0.299	0.319	0.301	0.000	0.301	0.000	0.000	0.297	0.297	0.297		0.297	0.008
CML	0.020	0.000	0.075	0.000	0.000	0.000	0.020	0.020	0.000	0.020	0.000		0.000	0.020
HIL	0.075	2.330	2.423	2.444	0.000	2.444	0.066	0.066	2.285	2.351	2.272		2.272	0.008
PANEM	0.093	8.476	8.477	8.449	0.000	8.449	0.100	0.100	8.031	8.131	8.126		8.126	0.006
PIL	0.001	1.000	1.031	1.000	0.000	1.000	0.001	0.001	1.000	1.001	1.000		1.000	0.001
JNL	0.031	0.560	0.607	0.519	0.000	0.519	0.072	0.072	0.406	0.478	0.477		0.477	0.001
JPL	0.047	6.045	6.048	5.249	0.000	5.249	0.842	0.842	5.688	6.530	5.249		5.249	0.001
SIL	0.003	0.140	0.141	0.137	0.000	0.137	0.006	0.006	0.114	0.120	0.102		0.102	0.019
ESCL	0.001	0.055	0.055	0.029	0.000	0.029	0.028	0.028	0.034	0.062	0.022		0.022	0.040
UML	0.000	0.062	0.088	0.058	0.000	0.058	0.004	0.004	0.300	0.304	2.368		2.368	0.005
KEMTA	0.026	2.252	2.259	2.216	0.000	2.216	0.119	0.119	2.275	2.394	0.300		0.300	0.025
SEML	0.007	0.291	0.291	0.273	0.000	0.273	0.025	0.025	0.432	0.457	0.431		0.431	0.011
BS ISPAT								0.000	0.015		0.000		0.000	0.015
PRIVATE	0.497	48.002	48.499	46.947	0.000	46.947	1.688	1.688	47.633	49.306	47.405	0.007	47.412	0.551
INDIA	47.317	532.042	579.359	513.792	0.762	514.554	64.863	64.863	532.694	597.542	523.465	0.621	524.086	72.120

Table 4.23: COMPANYWISE AND SECTORWISE OFF-TAKE OF LIGNITE IN LAST THREE YEARS
(Million Tonnes)

Company	Year	Power	Steel	Cement	Fertilizer	Textiles	B & C	Paper	Brick	Chemical	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
GIPCL	2008-09	1.701										1.701
GMDCL	2008-09	2.915	0.122		0.108		0.61	2.218		0.364	1.774	8.111
GHCL	2008-09	0.234										0.234
NLCL	2008-09	20.397	0.077								0.274	20.748
RSMML	2008-09	0.465	0.143	0.007			0.083	0.245		0.001	0.055	0.999
TOTAL	2008-09	25.712	0.342	0.007	0.108	0.000	0.693	2.463	0.000	0.365	2.103	31.793
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
GHCL	2009-10	0.323										0.323
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	0.38	0	0.785	0	1.818	0.512	0.503	2.29	34.43
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
GHCL	2010-11	0.299										0.299
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
VS LIGNITE	2010-11	0.642										0.642
TOTAL	2010-11	29.899	0	0.361	0	1.175	0	2.564	0.545	1.122	2.019	37.69

TABLE 4.24 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF RAW COAL & LIGNITE DURING 2009-10 & 2010-11
(Million Tonnes)

Availability (within India)			Supply (within India)	2009-2010				2010-11			
	2009-10	2010-11		Raw Coal	Lignite	Imported Coal	Total	Raw Coal	Lignite	Imported Coal	Total
(A) Production			Sectors								
Coking Coal	44.413	49.547									
Non-coking Coal	487.629	483.147									
Lignite	34.071	37.733	Steel & Washery	18.974		24.690	43.664	17.261		19.484	36.745
Total	566.113	570.427	Power (Utility+Captive)	390.576	28.142	23.200	441.918	395.836	29.9	18.296	444.032
(B) Change of Vendible Stock (Closing - Opening)			Cement	14.663	0.380	6.950	21.993	15.079	0.361	8.520	23.960
Coking Coal	4.634	1.489	Textile	0.272	0.785		1.057	0.275	1.175		1.450
Non-coking Coal	12.912	5.840	Sponge Iron	23.096			23.096	22.794			22.794
Lignite	-0.338	0.045	Fertilizer & Chem.	3.174	0.503		3.677	4.108	1.122		5.230
Total Change (Cl - Op)	17.208	7.374	Paper	2.335	1.818		4.153	2.432	2.564		4.996
(C) Import			Brick	0.494	0.512		1.006	0.275	0.545		0.820
Coking Coal	24.690	19.484	Others	62.208	2.290	18.415	82.913	65.405	2.019	22.618	90.042
Non-coking Coal	48.565	49.434	Colliery Consmn.	0.763			0.763	0.621			0.621
Total Raw Coal	73.255	68.918	Total Off-take	516.555	34.430	73.255	624.240	524.086	37.69	68.918	630.690
(D) Export	2.454	4.409	Statistical Difference				-4.534				-3.128
(E) Total Availability	619.706	627.562	Total Supply				619.706				627.562

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

Section: V

Pit-Head Closing Stock

Change of Stock which is nothing but the difference between opening and closing stock of an item is an important aspect in deriving supply of the item from producer's end to consumer's end. Assuming change of stock as net of opening stock over closing stock, it is positive when stock depletes. In other words, offtake from indigenous source exceeds indigenous production of the item. On the other hand, if change of stock was negative, this would mean that the closing stock is more than the opening stock and the amount of difference was the amount that production exceeds offtake during the period.

Further information on Pit-head Stock is necessary for policy planners, mine managers to frame policy guideline and to take management decisions.

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. On the other hand, CIL etc. describe closing stock of an item pertaining to a company taking into account the stock lying in stockyards, in transition and in washeries and coke plants etc. Similarly for washed coal, middlings and hard coke, closing stock refers to those stocks lying with the producers of these items. There are two concepts of pit-head closing stocks used, viz., Book stock and Vendible stock. While Vendible stock is the actual physical stock available for sale etc., Book stock is one that is derived by calculation:-

$$\begin{aligned} \text{Closing Book Stock} &= \\ \text{Opening Book Stock} &+ \text{Production} - \text{Off-take} \\ \text{Where Offtake} &= \\ \text{Despatches} &+ \text{Colliery Consumption} \end{aligned}$$

Except CIL subsidiaries, in all other companies there are practically no differences between these two types of

stocks. For CIL subsidiaries, Vendible stock, wherever these are available, are used.

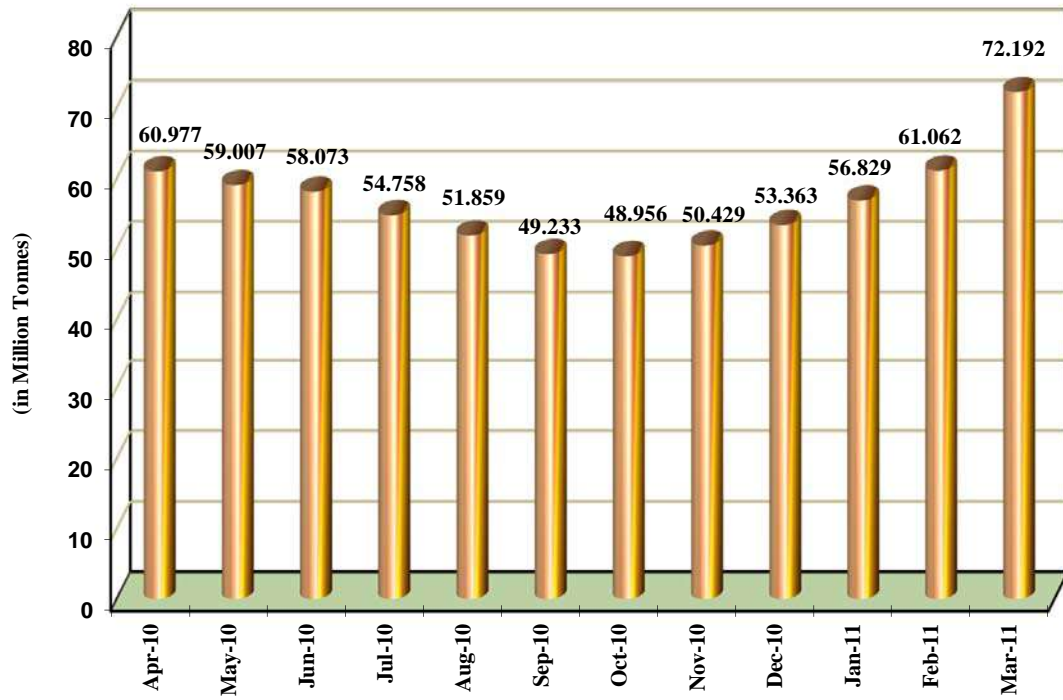
It may be mentioned that in the year 1998-99, Opening Stock of raw coal of BCCL was book stock while closing stock was vendible stock. In 1999-2000, the same was adopted for CCL. Since 2000-01, vendible stock is being taken for all coal companies and these have been followed this year and would be continued in future so that true picture of Coal Supply (Total Coal & Lignite Supply) can be derived reasonably accurately.

Some difficulties are apprehended due to adoption of Book Stock as closing stock of a year while adopting Vendible stock as Closing Stock in the next year. But this is followed in order to keep the comparability with past data. **Data Users may derive the vendible opening stock of a company, in case it is reported in book stock form, by simply deducting production quantum from the sum of vendible closing stock and off-take during the year.**

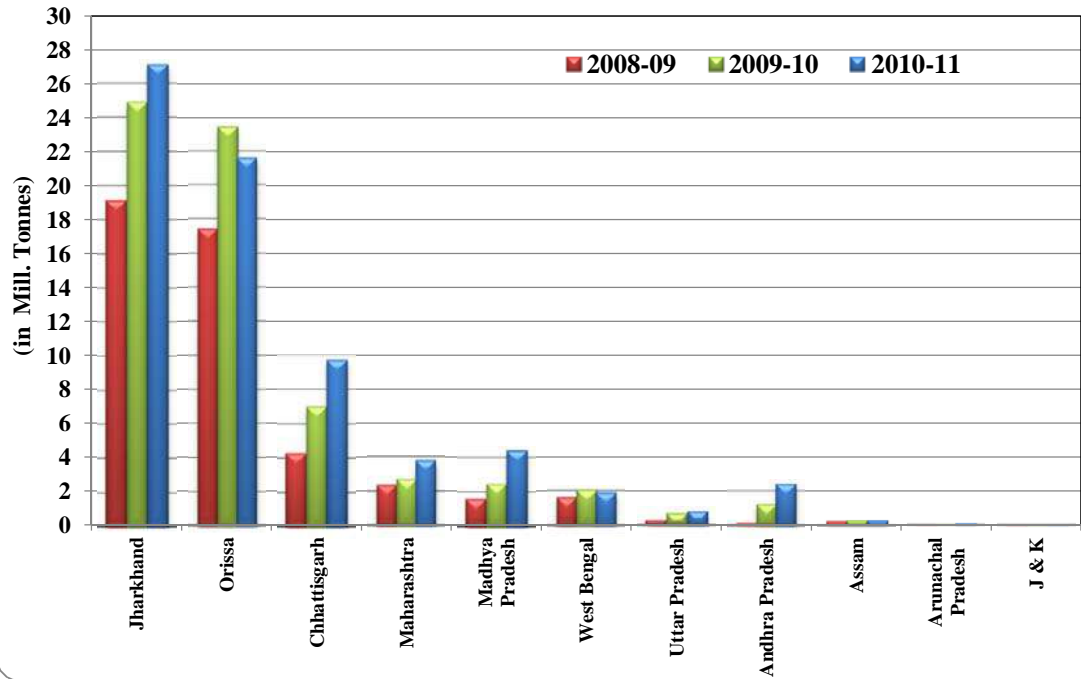
It is a fact that physical stock verification and financial accounts are not finalised by many companies at the time of submission of ASCI (Annual Survey on Coal Industries) Returns. This may result in slight variation of closing stock figures when these are firmed up afterwards. However, on the basis of trend of such deviations as seen in past years, these are expected to be negligible. For this reason closing stock of a year is taken as opening stock in the next year.

As reported earlier stock of washed coal, middlings are related to public sector coking coal washeries only. Similarly stocks of hard coke relate to public sector producers end.

Ch. V.I : Monthly Pit Head Closing Stock of Raw Coal During 2010-11



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



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

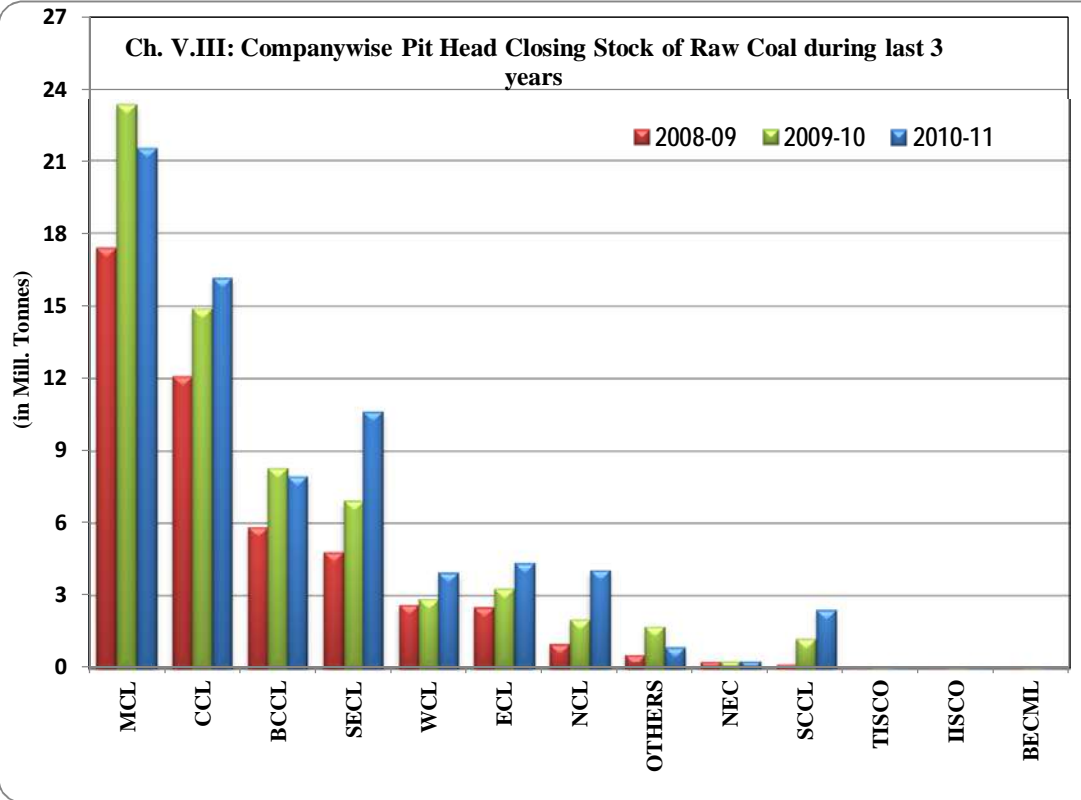


TABLE-5.1. TRENDS OF PIT-HEAD CLOSING STOCK OF DIFFERENT SOLID FOSSIL FUELS IN LAST TEN YEARS
(Million Tonnes)

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)
2001-02	18.124	96.07	-15.43	0.742	3.93	49.00	18.866	-13.97
2002-03	19.394	96.37	7.01	0.731	3.63	-1.48	20.125	6.67
2003-04	21.291	99.01	9.78	0.212	0.99	-71.00	21.503	6.85
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

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

Year	Coking Coal									Non Coking Coal			Raw Coal	
	Metallurgical Coal			Non Metallurgical Coal			Total Coking Coal			Pit-head Closing Stock	Share in coal (%)	Change over previous year (%)	Pit-head Closing Stock	Change over previous year (%)
	Pit-head Closing Stock	Share in total solid coking coal (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total coking coal (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total solid fossil fuel (%)	Change over previous year (%)					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2001-02	0.468	21.1	-68.1	1.752	78.9	260.5	2.220	12.2	13.7	15.904	87.8	-18.4	18.124	-15.4
2002-03	1.258	42.3	168.8	1.715	57.7	-2.1	2.973	15.3	33.9	16.421	84.7	3.3	19.394	7.0
2003-04	1.685	65.7	33.9	0.879	34.3	-48.7	2.564	12.0	-13.8	18.727	88.0	14.0	21.291	9.8
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

**TABLE-5.3 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS
IN 2010-11**

(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-10	60.977	0.862	0.174	0.184	0.326	2.451	0.014
May-10	59.007	1.264	0.174	0.083	0.336	2.502	0.019
Jun-10	58.073	1.443	0.182	0.047	0.323	2.499	0.029
1st Quarter	58.073	1.443	0.182	0.047	0.323	2.499	0.029
Jul-10	54.758	1.216	0.186	0.058	0.318	2.556	0.021
Aug-10	51.859	1.014	0.203	0.043	0.291	2.617	0.015
Sep-10	49.233	0.770	0.230	0.091	0.287	2.624	0.028
2nd Quarter	49.233	0.770	0.230	0.091	0.287	2.624	0.028
Oct-10	48.956	0.296	0.235	0.141	0.319	2.581	0.024
Nov-10	50.429	0.400	0.233	0.179	0.309	2.533	0.022
Dec-10	53.363	0.458	0.288	0.038	0.328	2.368	0.031
3rd Quarter	53.363	0.458	0.288	0.038	0.328	2.368	0.031
Jan-11	56.829	0.377	0.295	0.077	0.333	2.171	0.029
Feb-11	61.062	0.438	0.276	0.086	0.380	2.179	0.018
Mar-11	72.192	0.610	0.279	0.032	0.291	2.286	0.021
4th Quarter	72.192	0.610	0.279	0.032	0.291	2.286	0.021

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

(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)
2001-02	0.582	3.21	-38.93	0.480	2.65	3.45	4.769	26.31	-15.80
2002-03	0.341	1.76	-41.41	0.470	2.42	-2.08	3.127	16.12	-34.43
2003-04	0.272	1.28	-20.23	0.331	1.55	-29.57	3.204	15.05	2.46
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

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)
2001-02	0.016	0.09	128.57	6.375	35.17	9.78	1.298	7.16	-32.40
2002-03	0.017	0.09	6.25	8.580	44.24	34.59	1.469	7.57	13.17
2003-04	0.005	0.02	-70.59	8.934	41.96	4.13	1.804	8.47	22.80
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

Year	State: Maharashtra			State: Arunachal Pradesh			State: Orissa		
	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)	Quantity	Share(%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2001-02	1.004	5.54	-49.04				1.672	9.23	-42.90
2002-03	0.575	2.96	-42.73				2.480	12.79	48.33
2003-04	0.897	4.21	56.00				3.153	14.81	27.14
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

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

(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)
2001-02	0.270	1.49	342.62	1.658	9.15	0.00	18.124	-15.43
2002-03	0.742	3.83	174.81	1.593	8.21	-3.92	19.394	7.01
2003-04	1.004	4.72	35.31	1.687	7.92	5.90	21.291	9.78
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	-42.24	1.657	3.50	-16.40	47.317	1.15
2009-10	0.664	1.02	-5.41	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

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

(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)
2001-02	0.705	95.01	77.14	0.037	4.99	-63.00	0		
2002-03	0.721	98.63	2.27	0.010	1.37	-72.97	0		
2003-04	0.161	75.94	-77.67	0.051	24.06	410.00	0		
2004-05	0.491	91.60	204.97	0.045	8.40	-11.76	0		
2005-06	0.466	88.76	-5.09	0.049	9.33	8.89	0		
2006-07	0.973	97.11	108.80	0.029	2.89	-40.82	0	0	0
2007-08	0.302	92.07	-68.96	0.026	7.93	-10.34	0	0	0
2008-09	0.862	95.46	185.43	0.041	4.54	57.69	0	0	0
2009-10	0.410	72.57	-52.44	0.155	27.43	278.05	0	0	0
2010-11	0.471	77.21	14.88	0.139	22.79	-10.32	0	0	0

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
2001-02	0.742	49.00
2002-03	0.731	-1.48
2003-04	0.212	-71.00
2004-05	0.536	152.83
2005-06	0.525	-2.05
2006-07	1.002	90.86
2007-08	0.328	-67.27
2008-09	0.903	175.30
2009-10	0.565	-37.43
2010-11	0.610	7.96

TABLE-5.6 : TRENDS OF PIT-HEAD CLOSING STOCK OF RAW COAL AND LIGNITE BY COMPANIES IN LAST FIVE YEARS
(Million Tonnes)

Company	2008-09		2009-10		2010-11	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COAL :						
ECL	2.521	5.3	3.282	5.1	4.342	6.0
BCCL	5.846	12.4	8.283	12.8	7.951	11.0
CCL	12.100	25.6	14.868	22.9	16.163	22.4
NCL	1.010	2.1	2.010	3.1	4.055	5.6
WCL	2.630	5.6	2.856	4.4	3.950	5.5
SECL	4.812	10.2	6.930	10.7	10.615	14.7
MCL	17.399	36.8	23.343	36.0	21.531	29.8
NEC	0.252	0.5	0.294	0.5	0.293	0.4
CIL	46.570	98.4	61.866	95.4	68.900	95.4
SCCL	0.152	0.3	1.224	1.9	2.413	3.3
JKML	0.002	0.0	0.008	0.0	0.004	0.0
JSMDC						
DVC	0.064	0.1			0.117	0.2
IISCO	0.010	0.0	0.015	0.0	0.008	0.0
APMDTCL	0.022	0.0	0.049	0.1	0.104	0.1
SAIL						
WBPDC			0.013	0.0	0.002	0.0
DVC EMTA					0.021	0.0
Total Public	46.820	98.9	63.175	97.4	71.569	99.1
BECML	0.014	0.0	0.013	0.0	0.006	0.0
ICML	0.129	0.3	0.357	0.6	0.363	0.5
JSPL	0.001	0.0	0.001	0.0	0.005	0.0
HIL	0.075	0.2	0.066	0.1	0.080	0.1
Megha						
TSL	0.030	0.1	0.018	0.0	0.010	0.0
MIL	0.016	0.0	0.016	0.0	0.007	0.0
BLA	0.003	0.0			0.008	0.0
CML	0.020	0.0	0.020	0.0	0.020	0.0
PANEM	0.093	0.2	0.100	0.2	0.006	0.0
PIL	0.001	0.0	0.001	0.0	0.001	0.0
JNL	0.031	0.1	0.072	0.1	0.001	0.0
JPL	0.047	0.1	0.842	1.3	0.001	0.0
SIL	0.003	0.0	0.006	0.0	0.019	0.0
ESCL	0.001	0.0	0.028	0.0	0.040	0.1
UML			0.004	0.0	0.005	0.0
KEMTA	0.026	0.1	0.119	0.2	0.025	0.0
SEML	0.007	0.0	0.025	0.0	0.011	0.0
BS ISPAT					0.015	0.0
Total Private	0.497	1.1	1.688	2.6	0.623	0.9
ALL INDIA	47.317	100	64.863	100	72.192	100.0
LIGNITE :						
NLC	0.862	95.5	0.410	72.6	0.471	77.2
GMDCL					0.000	
GIPCL	0.034	3.8	0.155	27.4	0.127	20.8
GHCL	0.007	0.8			0.012	2.0
RSMML						
VS ISPAT						
ALL INDIA	0.903	100	0.565	100	0.610	100
COAL & LIGNITE	48.220		65.428		72.802	

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

(Million Tonnes)

STATES	COAL COMPANY	2008-2009			2009-2010			2010-2011		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(3)	(4)	(5)	(3)	(4)	(5)
Andhra Pradesh	SCCL		0.152	0.152		1.224	1.224	0	2.413	2.413
Arunachal Pradesh	APMDTCL		0.022	0.022		0.049	0.049	0	0.104	0.104
Assam	NEC		0.252	0.252		0.294	0.294	0	0.293	0.293
Chhattisgarh	SECL	0.005	4.195	4.200	0.005	6.053	6.058	0.003	9.702	9.705
Chhattisgarh	MIL		0.016	0.016		0.016	0.016		0.007	0.007
Chhattisgarh	JSPL		0.001	0.001		0.001	0.001		0.005	0.005
Chhattisgarh	PIL		0.001	0.001		0.001	0.001		0.001	0.001
Chhattisgarh	JNL		0.031	0.031		0.072	0.072		0.001	0.001
Chhattisgarh	JPL		0.047	0.047		0.842	0.842		0.001	0.001
Chhattisgarh	SEML		0.007	0.007		0.025	0.025		0.011	0.011
Chhattisgarh	TOTAL	0.005	4.298	4.303	0.005	7.010	7.015	0.003	9.728	9.731
Jammu & Kashmir	JKML		0.002	0.002		0.008	0.008	0.000	0.004	0.004
Jharkhand	ECL	0.052	1.256	1.308	0.050	1.815	1.865	0.047	3.003	3.050
Jharkhand	BCCL	3.308	2.244	5.552	6.199	1.831	8.030	6.681	1.036	7.717
Jharkhand	CCL	2.875	9.225	12.100	4.668	10.200	14.868	5.583	10.580	16.163
Jharkhand	JSMDCL			0.000			0		0	0.000
Jharkhand	DVC	0.064		0.064	0		0	0.117		0.117
Jharkhand	IISCO	0.003		0.003	0		0	0		0.000
Jharkhand	TSL	0.030		0.030	0.018		0.018	0.010		0.010
Jharkhand	CML	0.020		0.020	0.020		0.020	0.020		0.020
Jharkhand	PANEM		0.093	0.093		0.100	0.100		0.006	0.006
Jharkhand	UML			0.000		0.004	0.004		0.005	0.005
Jharkhand	ESCL		0.001	0.001	0.028		0.028	0.040		0.040
Jharkhand	SAIL					0.000	0.000		0	0.000
Jharkhand	TOTAL	6.352	12.819	19.171	10.983	13.950	24.933	12.498	14.630	27.128
Madhya Pradesh	NCL		0.727	0.727		1.346	1.346		3.257	3.257
Madhya Pradesh	WCL	0.021	0.252	0.273	0.025	0.255	0.280	0.006	0.210	0.216
Madhya Pradesh	SECL		0.612	0.612		0.872	0.872		0.910	0.910
Madhya Pradesh	BLA		0.003	0.003		0.000	0.000		0.008	0.008
Madhya Pradesh	TOTAL	0.021	1.594	1.615	0.025	2.473	2.498	0.006	4.385	4.391
Maha Rashtra	WCL		2.357	2.357		2.576	2.576		3.734	3.734
Maha Rashtra	SIL		0.003	0.003		0.006	0.006		0.019	0.019
Maha Rashtra	KEMTA		0.026	0.026		0.119	0.119		0.025	0.025
Maha Rashtra	BS ISPAT								0.015	0.015
Maha Rashtra	TOTAL	0.000	2.386	2.386	0.000	2.701	2.701		3.793	3.793
Meghalaya	PRIVATE			0		0	0		0	0.000
Orissa	MCL		17.399	17.399		23.343	23.343		21.531	21.531
Orissa	HIL		0.075	0.075		0.066	0.066		0.080	0.080
Orissa	TOTAL	0.000	17.474	17.474	0.000	23.409	23.409		21.611	21.611
Uttar Pradesh	NCL		0.283	0.283		0.664	0.664		0.798	0.798
West Bengal	ECL	0.007	1.206	1.213	0.015	1.402	1.417	0.014	1.278	1.292
West Bengal	BCCL	0.245	0.049	0.294	0.236	0.017	0.253	0.232	0.002	0.234
West Bengal	IISCO		0.007	0.007		0.015	0.015		0.008	0.008
West Bengal	BECML		0.014	0.014		0.013	0.013		0.006	0.006
West Bengal	ICML		0.129	0.129		0.357	0.357		0.363	0.363
West Bengal	WBPDCCL					0.013	0.013		0.002	0.002
West Bengal	DVC EMTA								0.021	0.021
West Bengal	TOTAL	0.252	1.405	1.657	0.251	1.817	2.068	0.246	1.680	1.926
Total Public		6.580	40.240	46.820	11.198	51.977	63.175	12.683	58.886	71.569
Total Private		0.050	0.447	0.497	0.066	1.622	1.688	0.070	0.553	0.623
All India		6.630	40.687	47.317	11.264	53.599	64.863	12.753	59.439	72.192

Section-VI

Pit-head Value, Price & Duties

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 - thus it does not involve any cost of loading, transportation from pit-head, loading, Cess, Royalty, Sales tax, Stowing Excise Duty etc. This is followed for all non-captive coal companies viz. CIL Subsidiaries, Singareni Collieries Companies (SCCL), Jharkhand State Mineral Development Corporation Ltd. (JSMDCL) and Jammu & Kashmir Mineral Ltd.(JKML).

In case of captive collieries, however, 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 should be on the basis of such cost price. This practice is found to be followed in captive collieries of public sector units.

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.).

Even there are private sector collieries being managed by the parent company engaged in manufacturing 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 are 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 depend on the value figures submitted by these units or calculate as described.

For Meghalaya coal, average unit price of NEC coal is adopted considering geographical proximity and of same coal quality.

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.

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.

Price: CIL & SCCL are two major non-captive coal companies in the country. Attempts have been made to provide average basic price of coal for each grade of coal of CIL and SCCL. Unlike previous years where detailed price of each grade, each variety viz., Long flame and Non long flame, wherever applicable, of different size i.e, Run of Mine (ROM), Slack, Steam & Rubble of every CIL Subsidiaries were given, presently such detailed information are not provided as that does not serve any statistical purpose rather than commercial.

Attempts are made here to analyse internal relation among these basic prices of different grade, varieties. It is found that the price difference due to size characteristics and variety change are related to original basic price additively. Price of ROM variety of non-coking and coking coal are provided in table 6.3 & 6.4. These prices are reported for non long flame variety.

Stowing Excise Duty (SED) and Royalty rates on Indian coal & lignite have been provided in table 6.5 and 6.6. Table 6.7 gives price of specific grade of coal from three spots for last few years and along with

important components like SED/Royalty, Sales tax so that effect of these components can be examined over the years. Methodology adopted for selecting these grades and source have been explained in the attached note in page 6.9. As the loading cost, transport costs etc. have not been reported these prices are not the landed cost. Basically this approach is followed by International Energy Agency (IEA) and Coal Controller's Organisation, Kolkata have been sending the required data on coal prices in the line mentioned here.

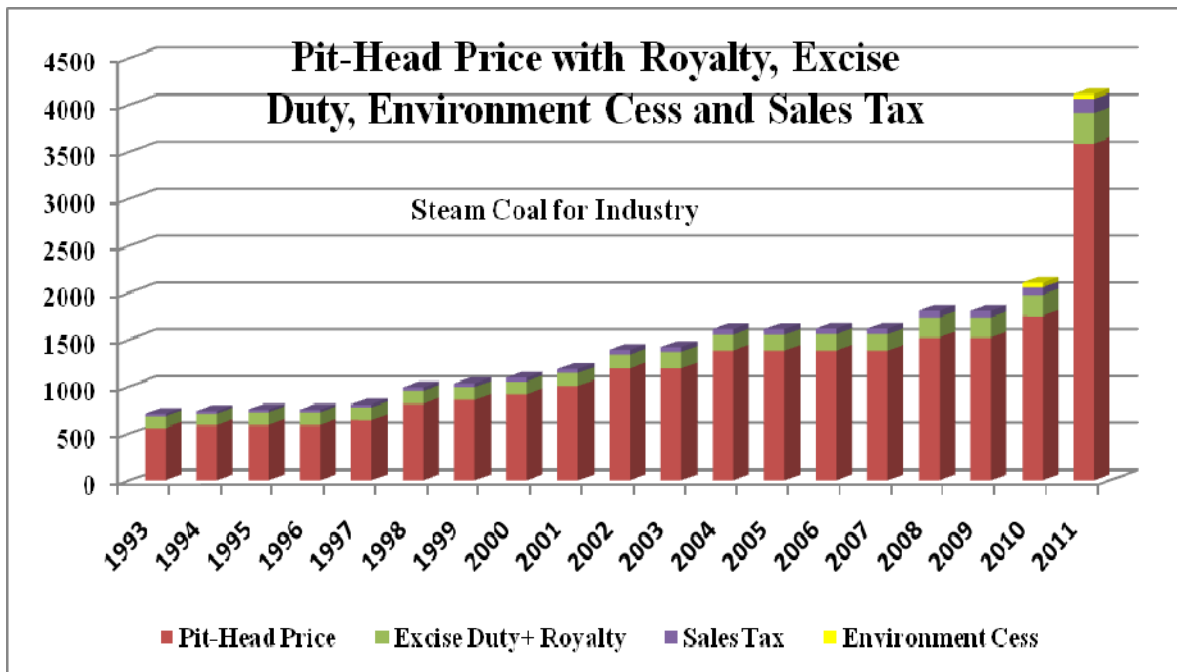


TABLE 6.1: STATEWISE PRODUCTION OF COAL AND LIGNITE vis-à-vis VALUE DURING LAST FIVE YEARS
(Million Tonnes/ Million Rupees)

STATES	2006 - 07		2007 - 08		2008 - 09		2009-10		2010-11	
	Production	Value	Production	Value	Production	Value	Production	Value	Production	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
COAL :										
Andhra Pradesh	37.707	37727.4	40.604	44405.3	44.546	55682.5	50.429	67373.1	51.333	81106.1
Arunachal P.	0.000	0.0	0.079	143.6	0.142	323.8	0.251	894.3	0.299	1106.0
Assam	1.050	1386.0	1.101	2001.4	1.009	2707.9	1.113	3965.2	1.101	4072.6
Chhattisgarh	83.241	53201.2	90.173	58121.1	101.922	67873.6	109.953	50308.3	113.824	58256.2
Jharkhand	88.764	75765.3	90.895	84357.3	96.272	96741.7	105.917	140529.4	108.949	185716.2
J & K	0.016	12.0	0.017	13.8	0.011	57.8	0.023	18.6	0.024	22.4
Madhya Pradesh	59.726	59098.5	67.841	68703.2	71.325	78404.1	74.074	84933.1	71.104	93673.6
Maharashtra	36.215	36281.9	36.402	40012.8	38.705	47850.3	41.005	50887.5	39.336	53628.8
Meghalaya	5.787	7638.8	6.541	5292.4	5.489	12514.9	5.767	20545.6	6.974	25796.8
Orissa	81.160	33437.8	89.482	42115.5	98.402	51725.7	106.409	58751.3	102.565	73545.3
Uttar Pradesh	12.228	9202.1	11.426	8864.1	12.029	8747.2	13.968	15067.8	15.526	15122.3
West Bengal	24.938	34616.8	22.521	30606.5	22.905	32740.7	23.133	19908.2	21.659	28164.1
ALL INDIA	430.832	348367.9	457.082	384637.1	492.757	455370.1	532.042	513182.5	532.694	620210.4
LIGNITE :										
Gujarat	9.808	6635.3	11.788	8277.8	10.114	8926.3	10.526	7013.7	13.064	13480.3
Tamilnadu	21.014	19197.6	21.586	20819.2	21.308	26791.6	22.338	30262.9	23.144	28755.3
Rajasthan	0.463	427.4	0.606	511.8	0.999	1160.0	1.207	479.4	1.525	1071.6
ALL INDIA	31.285	26260.3	33.980	29608.8	32.421	36877.9	34.071	37756.0	37.733	43307.2

Note : (1) Above mentioned value, computed on the basis of Basic Price, is the value of production

(2) Pit head value of Meghalaya coal estimated by NEC price.

(3) Value of private coal block, where not available, are estimated by nearby CIL subsidiary basic price of the similar grade.

TABLE 6.2 : STATEWISE PRODUCTION OF COAL AND ITS VALUE - BY SECTOR & CAPTIVE / NON-CAPTIVE UNITS DURING 2010-11

(Million Tonnes/ Million Rupees)

Block	Sector	Quantity / Value	Andhra Pradesh	Arunachal Pradesh	Assam	Chhattisgarh	Jharkhand	Jammu & Kashmir	Madhya Pradesh	Maharashtra	Meghalaya	Orissa	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.	0.299		0.014		0.278		0.591		0.278		0.591			
		Value	1106.0		17.9		750.8		1874.6		750.8		1874.6			
	PRIVATE	Prdn.	14.477		8.365		0.297		2.404		2.285		5.805		33.633	
		Value	4655.4		34464.5		1279.8		3401.3		3048.5		10099.1		56948.5	
	TOTAL	Prdn.	0.0	0.3	0.0	14.5	8.4	0.0	0.3	2.4	0.0	2.3	0.0	6.1	34.2	
		Value	0.0	1106.0	0.0	4655.4	34482.3	0.0	1279.8	3401.3	0.0	3048.5	0.0	10849.9	58823.1	
NON CAPTIVE	PUBLIC	Prdn.	51.333	1.101		99.347	93.544	0.024	70.807	36.932	100.280		15.526	15.576	484.470	
		Value	81106.1	4072.6		53600.8	139116.2	22.4	92393.8	50227.5	70496.8		15122.3	17314.2	523472.8	
	PRIVATE	Prdn.	7.026		6.974		14.000		14.000		14.000		14.000		14.000	
		Value	12117.7		25796.8		37914.5		37914.5		37914.5		37914.5		37914.5	
	TOTAL	Prdn.	51.333	0.000	1.101	99.347	100.570	0.024	70.807	36.932	6.974	100.280	15.526	15.576	498.470	
		Value	81106.1	0.0	4072.6	53600.8	151233.9	22.4	92393.8	50227.5	25796.8	70496.8	15122.3	17314.2	561387.3	
TOTAL	PUBLIC	Prdn.	51.333	0.299	1.101	99.347	93.558	0.024	70.807	36.932	0.000	100.280	15.526	15.854	485.061	
		Value	81106.1	1106.0	4072.6	53600.8	139134.1	22.4	92393.8	50227.5	0.0	70496.8	15122.3	18065.0	525347.5	
	PRIVATE	Prdn.	0.000	0.000	0.000	14.477	15.391	0.000	0.297	2.404	6.974	2.285	0.000	5.805	47.633	
		Value	0.0	0.0	0.0	4655.4	46582.1	0.0	1279.8	3401.3	25796.8	3048.5	0.0	10099.1	94863.0	
	TOTAL	Prdn.	51.333	0.299	1.101	113.824	108.949	0.024	71.104	39.336	6.974	102.565	15.526	21.659	532.694	
		Value	81106.1	1106.0	4072.6	58256.2	185716.2	22.4	93673.6	53628.8	25796.8	73545.3	15122.3	28164.1	620210.4	

Table 6.3 : BASIC PRICE OF NON-COKING COAL (RUN OF MINE) IN 2010-11 (Rs. Per Tonne)

COMPANIES	Period	A	B	C	D	E	F	G	UNG
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL (Specified S P Mines)	15/06/04 - 12/12/07	1870	1670	1470	1270	850	650	450	
ECL (Specified S P Mines)	13/12/07 - 15/10/09	2060	1840	1620	1400	940	720	500	
ECL (Specified S P Mines)	16/10/09-26/2/11	2370	2120	1860	1610	1080	830	580	
ECL (Specified S P Mines)	27/02/11-31/12/2011	4100	3990	1860	1610	1080	830	580	
ECL (Specified Raniganj)	01/04/04 - 12/12/07	1740	1640	1440	1240	770	570	380	
ECL (Specified Raniganj)	13/12/07 - 15/10/09	1910	1800	1580	1360	850	630	420	
ECL (Specified Raniganj)	15/10/09-26/2/11	2200	2070	1820	1560	980	730	480	
ECL (Specified Raniganj)	27/02/11-31/12/2011	4100	3990	1820	1560	980	730	480	
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)	27/02/11-31/12/2011	3690	3590	1500	1240	990	740	480	
ECL(Rajmahal)	15/06/04 - 12/12/07				1050 (LF)	810	690	550	
ECL(Rajmahal)	13/12/07 - 15/10/09				1160 (LF)	890	760	610	
ECL(Rajmahal)	15/10/09-26/2/11	x	x	x1330 (LF)		1020	870	700	
ECL(Rajmahal)	27/02/11-31/12/2011	x	x	x1331 (LF)		1020	870	700	
ECL (Others)	15/06/04 - 12/12/07	1350	1220	1020	820	620	480	340	
ECL (Others)	13/12/07 - 15/10/09	1490	1340	1120	900	680	530	370	
ECL (Others)	15/10/09-26/2/11	1710	1540	1290	1040	780	610	430	
ECL (Others- FOR 12 UNITS)	27/02/11-31/12/2011	3690	3590	1290	1040	780	610	430	
BCCL	15/06/04 - 12/12/07	1310	1190	990	820	650	520	370	
BCCL	13/12/07 - 15/10/09	1440	1310	1090	900	720	570	410	
BCCL	15/10/09-26/2/11	1660	1510	1250	1040	830	660	470	
BCCL	27/02/11-31/12/2011	3690	3590	1250	1040	830	660	470	
CCL (Specified 7 units)	15/06/04 - 12/12/07	1600	1440	1240	1040	820	620	420	
CCL (Specified 7 units)	13/12/07 - 15/10/09	1760	1580	1360	1140	900	680	460	
CCL (Specified 7 units)	15/10/09-26/2/11	1940	1740	1500	1250	990	750	510	
CCL (Specified 7 units)	27/02/11-31/12/2011								
CCL (Specified 16 units)	15/06/04 - 12/12/07	1500	1360	1160	970	X	X	X	
CCL (Specified 16 units)	13/12/07 - 15/10/09	1650	1500	1280	1070	X	X	X	
CCL (Specified 16 units)	15/10/09-26/2/11	1820	1650	1410	1180	X	X	X	
CCL (Specified 16 units)	27/02/11-31/12/2011	4100	3990	1410	1180	X	X	X	
CCL (Others)	15/06/04 - 12/12/07	1340	1210	1010	830	650	520	370	
CCL (Others)	13/12/07 - 15/10/09	1470	1330	1110	910	720	570	410	
CCL (Others)	15/10/09-26/2/11	1620	1460	1220	1000	790	630	450	
CCL (Others)	27/02/11-31/12/2011	3690	3590	1220	1000	790	630	450	
NCL	15/06/04 - 12/12/07	1230	1110	910	760	610	480	350	
NCL	13/12/07 - 15/10/09	1350	1220	1000	840	670	530	390	
NCL	15/10/09-26/2/11	1490	1340	1100	920	740	580	430	
NCL	27/02/11-31/12/2011	3690	3590	1100	920	740	580	430	
WCL	15/06/04 - 12/12/07	1320	1250	1160	1100	900	710	540	
WCL	13/12/07 - 15/10/09	1450	1380	1280	1210	990	780	590	
WCL	15/10/09-26/2/11	1600	1520	1410	1330	1090	860	650	
WCL	27/02/11-31/12/2011	4100	3990	1410	1330	1090	860	650	

Table 6.3 : BASIC PRICE OF NON-COKING COAL (RUN OF MINE) IN 2010-11 (Rs. Per Tonne)

COMPANIES	Period	A	B	C	D	E	F	G	UNG
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
SECL (Specified)	15/06/04 - 12/12/07	1330	1250	1070	920	720	520	360	
SECL (Specified)	13/12/07 - 15/10/09	1460	1380	1180	1010	790	570	400	
SECL (Specified)	15/10/09-26/2/11	1190	1110	950	800	660	520	390	
SECL (Specified)	27/02/11-31/12/2011	4100	3990	1300	1110	870	630	440	
MCL	15/06/04 - 12/12/07	1610	1520	1300	1110	870	630	440	
MCL	13/12/07 - 15/10/09	1050	940	780	650	510	400	290	
MCL	15/10/09-26/2/11	1160	1030	860	720	560	440	320	
MCL	27/02/11-31/12/2011	3690	3590	1050	880	730	570	430	
NEC	15/06/04 - 12/12/07	1320	1050						
NEC	13/12/07 - 15/10/09	1520	1210						
NEC	15/10/09-26/2/11	2510	2000						
NEC	27/02/11-31/12/2011	4100	3990						
SCCL	14/09/04 - 07/09/07	1528	1419	1277	1130	817	681	503	
SCCL	08/09/07 - 12/01/2011		1703	1532	1243	817	681	503	320
SCCL	13/01/11-31/12/2011	2610	2220	1840	1500	1130	690	510	

Note: Above mentioned prices are for ROM(not processed) and non-long flame variety . However since Jan,2012 prices have been revised based on Gross Calorific Value.

Source: Websites of CIL and SCCL

Table 6.4: BASIC PRICE OF COKING COAL (RUN OF MINE) IN 2010-11 (Rs. Per Tonne)

COMPANIES	Period	SI	SII	WI	WII	WIII	WIV	SCI	SCII
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL (Mugma / Raniganj)	15/06/04 - 12/12/07			1890	1570	1160	1080	1700	1420
ECL (Mugma / Raniganj)	13/12/07 - 15/10/09			2080	1730	1280	1190	1870	1560
ECL (Mugma / Raniganj)	15/10/09-26/2/11			2390	1990	1470	1370	2150	1790
ECL (Mugma / Raniganj)	27/02/11-31/12/2011			3110	2590	1910	1780	2800	2330
BCCL(specified)	15/06/04 - 12/12/07	2960	2480	2160	1560	1170	1080		
BCCL(specified)	13/12/07 - 15/10/09	3260	2730	2380	1720	1290	1190		
BCCL(specified)	15/10/09-26/2/11	3750	3140	2740	1980	1480	1370		
BCCL(specified)	27/02/11-31/12/2011	4880	4080	3560	2570	1920	1780		
BCCL (Unspecified)	15/06/04 - 12/12/07			1600	1330	980	910		
BCCL (Unspecified)	13/12/07 - 15/10/09			1760	1460	1080	1000		
BCCL (Unspecified)	15/10/09-26/2/11			2020	1680	1240	1150		
BCCL (Unspecified)	27/02/11-31/12/2011			2630	2180	1610	1500		
CCL	15/06/04 - 12/12/07			1620	1340	990	930		
CCL	13/12/07 - 15/10/09			1780	1470	1090	1020		
CCL	15/10/09-26/2/11			1960	1620	1200	1120		
CCL	27/02/11-31/12/2011			2550	2110	1560	1460		
WCL	15/06/04 - 12/12/07				1160	1060			
WCL	13/12/07 - 15/10/09			1550	1280	1170			
WCL	15/10/09-26/2/11			1710	1410	1290			
WCL	27/02/11-31/12/2011			2220	1830	1680			
SECL	15/06/04 - 12/12/07							1440	1200
SECL	13/12/07 - 15/10/09							1580	1320
SECL	15/10/09-26/2/11							1740	1450
SECL	27/02/11-31/12/2011							2260	1890

Note: Price have been changed for CIL Subsidiaries w.e.f 27/02/2011. However, since Jan,2012 prices have been once again revised based on Gross Calorific Value.

Source: Websites of CIL and SCCL

Table 6.5: STOWING EXCISE DUTY ON INDIAN COAL SINCE 1974 (Rs./tonne)

PERIOD	Rate of SED (Rs. Per Tonne)	
	Coking Coal	Non Coking Coal
(1)	(2)	(3)
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 29/11/78, SED is charged on raw coal irrespective of location and ownership of Coal Mines, Washery and Coke Oven plants.

(2) SED is not charged on imported coal yet.

Table 6.6: ROYALTY RATES ON INDIAN COAL AND LIGNITE (Rs./tonne)

Coal category	With effect from -->	12.2.81	1.08.91		11.10.94		02.09.96		17.08.02		1.08.07		1.01.2012*	
		All States	All states except Assam	Assam & W.B.	All states except W.B.	W.B.	All states except Meghalaya & W.B.	Meghalaya & W.B.	All states except W.B.	W.B.	All states except W.B.	W.B.	All states except W.B.	W.B.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Group I Coking coal														
Steel grade I, Steel grade II, Washery grade I, Direct Feed		7.00	150.00	7.00	195.00	7.00	195.00	7.00	250.00	7.00	180+0.05P	7.00	180+0.05P	7.00
Hand picked coal (Assam, Arunachal Pradesh Meghalaya & Nagaland)		7.00	150.00	7.00	150.00	6.50	150.00	150.00						
Group II Coking coal														
Washery grade II, Washery grade III		6.50	120.00	6.50	135.00	6.50	135.00	6.50	165.00	6.50	130+0.05P	6.50	130+0.05P	6.50
Semi-Coking coal														
Semi Coke grade I, Semi Coke grade II														
Non-coking coal														
GCV (Kcal/KG) more than 6101					120.00		120.00							
Ungraded R.O.M. coal (Assam, Arunachal Pradesh, Meghalaya & Nagaland)														
Group III Coking coal														
Washery grade IV		5.50	75.00	5.50	95.00	5.50	95.00	5.50	115.00	5.50	90+0.05P	5.50	90+0.05P	5.50
Non-coking coal														
GCV (Kcal/KG) in the range 5201-6100		5.50	75.00	5.50										
Group IV Non-coking coal														
GCV (Kcal/KG) in the range 4301-5200		4.30	45.00	4.30	70.00	4.30	70.00	4.30	85.00	4.30	70+0.05P	4.30	70+0.05P	4.30
Group V Non-coking coal														
GCV (Kcal/KG) in the range 3101-4300		2.50	25.00	2.50	50.00	2.50	50.00	2.50	65.00	2.50	55+0.05P	2.50	55+0.05P	2.50
Lignite			2.50				2.50		50.00		45+0.02P		45+0.02P	
Middling (GCV <3100)													45+0.05P	
Group VI Coal produced in Andhra Pradesh (SCCL)		5.50	70.00		75.00		75.00		90.00		As applicable for Gr II-Gr V			

Note: (a) For the state of West Bengal, in addition to royalty, other charges are: RE Cess: 20%, PWD Road Cess: Rs.1, PE Cess: 5%, AMBH: Rs. 1, CST and SED are applicable as mentioned in note (b) & (c).

(b) For states except West Bengal, that levy cess and other taxes specific to coal bearing lands, royalty allowed shall be adjusted for the local cesses or such taxes so as to limit the overall revenues to the formula based yield.

(c) The rates of Royalty (R), which shall be a combination of specific and ad-velem rates of royalty shall be : $R = a + bP$, Where P (Price) shall mean basic pithead price of run of mine (ROM) coal and Lignite as reflected in the invoice, excluding taxes, levies and other charges and the value of a (fixed component) and b(variable or ad velorem component) would be as above (GOI Notification GSR 522(E) dated 1.8.07

(d) Stowing Excise duty applicable for all state as mentioned in table 6.5

(e) Central Sales Tax @ 4% of { Basic price + Royalty + cess (wherever applicable) + Surface transport charge (from pit head to loading point) }

INDICATIVE RAW COAL PRICES OVER TIME

Prices of various grades of coal of CIL and SCCL are noted in table 6.3 & 6.4. However the same for last few years are not available in a single place. To meet this requirement, particularly to help to understand price change with all other related taxes and duties over time, prices & taxes of some selected grades and source are reported here.

Effect of different factors on Coal Prices.

Pit-head coal prices including taxes & duties depend on quality as well as source (state). Rates of Royalties are not same for all the states. Gross coal price can be obtained by adding transport cost and loading cost with such pithead price. For a colliery, loading point of a particular mode being more or less fixed, loading cost vary over collieries. Further transport cost is not only dependent on the choice of a particular mode but also not a linear function of distance between the loading point and the final point of delivery. Thus examination of both landed cost and pithead price of coal are necessary. However for these, fixation of particular grades and sources are necessary to understand the effect of change of price over the period.

It may be noted that while selecting grades, firstly sectors/ industries using steam and coking coal are decided after which grade of coal used in these selected industries and the stable source of such coal are fixed. Sources are desired to be stable so that reasonable amount of coal of selected grade from these sources would be available for sufficiently long period.

Steam Coal (Non Coking Coal)

- (1) Industry sector that mostly uses superior grades steam coal (A-C).
- (2) Power generation which mostly uses power grades steam coal (D-F)

Coking Coal

- (1) Steel making / metallurgical uses.

The detailed specifications of such representative samples and various rates of taxes and duties are reported below. The pithead prices including taxes of these specification are reported in the next page.

STEAM COAL (NON-COKING COAL)

Special Taxes

1. *Stowing Excise Duty (SED)*. Rates are equal for all grades of steam coal.

From	To	Rs./ tonne
08.02.83	26.06.03	3.50
27.06.03	present	10.00

2. *Royalties* (applicable for following specification (grades & sources).

From	To	Steam coal for Industry (Grade-B) (Rs./ tonne)	Steam coal for Electricity (Grade-E) (Rs./ tn.)
12.02.81	31.07.91	6.50	4.30
01.08.91	10.10.94	120.00	45.00
11.10.94	16.08.02	135.00	70.00
07.08.02	31.07.07	165.00	85.00
01.08.07	present	130+0.05 *price	70+0.05 *price

Specifications

1. Use:

Quality:

Industry

Non-coking coal, **Grade B** (Run of Mine – Non-Long Flame) of Mugma Area of ECL (CIL), Jharkhand.

Av. GCV/NCV: 6250 /5940 kcal/kg

2. Use:

Quality:

Electricity Generation

Non-coking coal, **Grade E** (Run of Mine–Non-Long Flame) of Rajmahal Area of ECL (CIL), Jharkhand

Av. GCV/NCV: 4 800 /4 560 kcal/kg

COKING COAL

Special Taxes

1. *Stowing Excise Duty (SED)*. Rates are equal for all grades of steam coal.

From	To	Rs./ tonne
08.02.83	26.06.03	4.25
27.06.03	present	10.00

2. *Royalties* (applicable for following specification (grade & source)

From	To	Coking coal -Steel Gr. II (Rs./Tn.)
12.02.81	31.07.91	7.00
01.08.91	10.10.94	150.00
11.10.94	16.08.02	195.00
07.08.02	31.07.07	250.00
01.08.07	present	180+0.05*price

Specifications

Use:

Steel making/ Coke Oven for BF Coke.

Quality:

Steel Grade II (Run of Mine)- from collieries of BCCL (CIL), State-Jharkhand, linked to Washeries.

Av. GCV/NCV: 6600/6350 kcal/kg.

Ash content: 15 - 18%

Table 6.7: PRICES OF SELECTED GRADES OF STEAM COAL AND COKING COAL FROM SPECIFIED SOURCES (For specification see page 6.9).

Year & Quarter	Steam Coal for Industry (per tonne)							Steam Coal for Electricity Generation (per tonne)							Coking Coal for Industry (per tonne)						
	Pit head Price	Excise & Royalty	Sales Tax (%)	Sales tax Amount	Clean Energy Cess	Total Tax	Total Price	Pit head Price	Excise & Royalty	Sales Tax (%)	Sales tax Amount	Clean Energy Cess	Total Tax	Total Price	Pit head Price	Excise & Royalty	Sales Tax (%)	Sales tax Amount	Clean Energy Cess	Total Tax	Total Price
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
1993	557.00	123.50	4.00	27.22		150.72	707.72	306	48.5	4.00	14.18		66.7	372.7	831	154.25	4.00	39.41		193.66	1024.66
1994	586.00	123.50	4.00	28.38		151.88	737.88	322	48.5	4.00	14.82		67.3	389.3	875	154.25	4.00	41.17		195.42	1070.42
1995	586.00	138.50	4.00	28.98		167.48	753.48	322	73.5	4.00	15.82		93.3	415.3	875	199.25	4.00	42.97		242.22	1117.22
1996	586.00	138.50	4.00	28.98		167.48	753.48	465	73.5	4.00	21.54		99.0	564.0	1094	199.25	4.00	51.73		250.98	1344.98
1997	638.00	138.50	4.00	31.06		169.56	807.56	559	73.5	4.00	25.30		102.8	661.8	1226	199.25	4.00	57.01		256.26	1482.26
1998	815.00	138.50	4.00	38.14		176.64	991.64	559	73.5	4.00	25.30		102.8	661.8	1287	199.25	4.00	59.45		258.70	1545.70
1999	856.00	138.50	4.00	39.78		178.28	1034.28	598	73.5	4.00	26.86		104.4	702.4	1384	199.25	4.00	63.33		262.58	1646.58
2000	915.00	138.50	4.00	42.14		180.64	1095.64	639	73.5	4.00	28.50		106.0	745.0	1453	199.25	4.00	66.09		265.34	1718.34
2001	1007.00	138.50	4.00	45.82		184.32	1191.32	703	73.5	4.00	31.06		108.6	811.6	1598	199.25	4.00	71.89		271.14	1869.14
2002	1197.00	138.50	4.00	53.42		191.92	1388.92	703	73.5	4.00	31.06		108.6	811.6	1598	199.25	4.00	71.89		271.14	1869.14
2003	1197.00	168.50	4.00	54.62		223.12	1420.12	703	88.5	4.00	31.66		124.2	827.2	1650	254.25	4.00	76.17		330.42	1980.42
2004	1380.00	168.50	4.00	61.94		230.44	1610.44	810	88.5	4.00	35.94		128.4	938.4	2480	254.25	4.00	109.37		363.62	2843.62
2005	1380.00	168.50	4.00	61.94		230.44	1610.44	810	88.5	4.00	35.94		128.4	938.4	2480	254.25	4.00	109.37		363.62	2843.62
2006	1380.00	175.00	4.00	62.20		237.20	1617.20	810	95.0	4.00	36.20		135.2	945.2	2480	260.00	4.00	109.60		369.60	2849.60
2007	1380.00	175.00	4.00	62.20		237.20	1617.20	810	95.0	4.00	36.20		135.2	945.2	2480	260.00	4.00	109.60		369.60	2849.60
2008	1520.00	216.00	4.00	69.44		285.44	1805.44	890	184.5	4.00	42.98		231.5	1121.5	2730	326.50	4.00	122.26		448.76	3178.76
2009	1520.00	216.00	4.00	69.44		285.44	1805.44	890	184.5	4.00	42.98		231.5	1121.5	2730	326.50	4.00	122.26		448.76	3178.76
2010	1750.00	227.50	4.00	79.10	50.00	306.60	2056.60	1020	191.0	4.00	48.44	50	293.4	1313.4	3140	347.00	4.00	139.48	50	486.48	3626.48
2011	3590.00	319.50	4.00	156.38	50.00	475.88	4065.88	1020	191.0	4.00	48.44	50	293.4	1313.4	4080	394.00	4.00	178.96	50	572.96	4652.96

Note: (1) Prices of Calendar year related to 1st July of the calendar.

TABLE 6.8: IMPORT DUTIES ON COKING AND NON-COKING COAL IMPORTED TO INDIA

Year/ w.e.f	Import duties							
	Coking Coal: Ash < 12%		Coking Coal: Ash > 12%		Non-Coking Coal		Coke	
	Basic Duties (advelorem)	Effective Duties	Basic Duties (advelorem)	Total effective Duties	Basic Duties (advelorem)	Total effective Duties	Basic Duties (advelorem)	Total effective Duties
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1992-93	5%	5%	85%	85%	85%	85%	85%	85%
1993-94	5%	5%	85%	85%	85%	85%	85%	85%
1994-95	5%	5%	35%	35%	35%	35%	35%	35%
1995-96	5%	5%	35%	35%	35%	35%	35%	35%
1996-97	3%	5%	22%	22%	20%	22%	20%	22%
1997-98	3%	8%	15%	15%	10%	15%	10%	15%
1998-99	3%	12.32%	15%	19.60%	10%	19.60%	10%	19.60%
1999-00	5%	9.72%	15%	21.16%	15%	21.16%	15%	21.16%
2000-01	5%	9.72%	15%	21.16%	25%	32.60%	15%	21.16%
2001-02	5%	9.20%	15%	19.60%	25%	30.00%	15%	19.60%
2002-03	5%	9.20%	15%	19.60%	25%	30.00%	5%/15%	9.2%/19.6%
2003-04	5%	9.20%	15%	19.60%	25%	30.00%	10%	14.40%
2003-04 (9.1.2004)	5%	5.00%	15%	15.00%	15%	15.00%	10%	10.00%
2003-04 (28.2.2004)	0%	0.00%	5%	5.00%	5%	5.00%	5%	5.00%
2004-05 (1.3.2005)	0%	0.00%	5%	5.00%	5%	5.00%	5%	5.00%
2005-06	0%	0.00%	5%	5.00%	5%	5.00%	5%	5.00%
2006-07 (1.4.2006)	0%	0.00%	5%	5.00%	5%	5.00%	5%	5.00%
2007-08 (1.4.2007)	0%	0.00%	5%	5.00%	5%	5.00%	5%	5.00%
2008-09	0%	0.00%	5%	5.00%	5%	5.00%	5%	5.00%
2009-10	0%	0.00%	5%	5.00%	5%	5.00%	5%	5.00%
2010-11	0%	0.00%	5%	5.00%	5%	5.00%	5%	5.00%

Section-VII

Import & Export

In last several years the rate of indigenous coal production was less than that of demand. On the other hand, ash content of Indian coal is high. Therefore, to bridge the demand-supply gap as well as sweeten indigenous production, good amount of low-ash coal is imported each year. A small amount of coal is also exported to cater to the need of neighboring nations.

Coal has been put under Open General License (OGL) during 1993. Import of coal exhibits upward trends in consonance with the consumers' inclination for using improved quality of coal through blending.

Demand, production and import of coking coal are given in the table given below-

(in Mt.)			
Year	Demand*	Production	Import
2006-07	43.700	32.097	17.877
2007-08	38.000	34.455	22.029
2008-09	44.000	33.809	21.080
2009-10	20.290	44.413	24.690
2010-11	50.510	49.547	19.484

*Source: Annual Plan, MOC

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.

Demand, production and import of non-coking coal are given in the table given below-

(in Mt.)			
Year	Demand*	Production	Import
2006-07	430.480	398.735	25.204
2007-08	454.500	422.627	27.765
2008-09	506.000	457.948	37.923
2009-10	584.040	487.629	48.565
2010-11	605.800	483.147	49.434

*Source: Annual Plan, MOC

Data Source:

The main source of import and export data is the Directorate General of Commercial Intelligence & Statistics (DGCI&S), Kolkata. DGCI&S publication "Monthly Statistics of Foreign Trade of India" is generally available with a time lag of four months. The statistics contained in this publication relate to import & export including re-export of merchandise through all the recognised seaports, airports and land custom stations of India.

Exports and re-exports are credited to the final destination whereas imports are, by and large, credited to the country of consignment. The export and import statistics are based on declaration made respectively by the individual exporters in shipping bills and the importers in the bills of entry.

Commodity Classification:

The 8-digit codes of Indian Trade Classification (based on Harmonised Coding System) have been adopted in classifying the various grades of coal and coal products. In this publication various grades of coal are merged into two ranks viz., coking and non-coking coal.

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 thus included under coke.

Data Collection & Processing:

Final data at unit level is being collected from the DGCI&S on regular basis to process and report various information to meet the demand of the publications of the Office of the Coal Controller, Ministry of Coal for effective monitoring the import of coal and planning of the trade policy relating to coal.

The data gathered from various ports, Infrastructure Bulletin of SAIL, Central Electricity Authority and Cement Manufacturer's Association are being used to estimate sectoral consumption of imported coal (Details given in Chapter IV).

In 2010-11, there is 5.29% fall in coal import compared to last year which is resulted out of sharp fall in import of coking coal (by 21.1%). There is a marginal increase in the import of non-coking coal (1.8%).

Among the coking coal exporting countries, Australia remained on the top with 81.9% share of total coking coal imported to India. Other major leading countries are USA, New Zealand and Indonesia. Coking coal is mainly imported through eastern sea ports namely Paradip (25.5%), Kolkata (21.9%) and Visakhapatnam (20.9%).

(in Mt.)

Import of Coking Coal in 2010-11		
Country	Quantity (in MT)	Share in %
Australia	15.948	81.9
USA	1.481	7.6
New Zealand	0.795	4.1
Indonesia	0.581	3.0
Russia	0.244	1.3
Total	19.484	

Port	Quantity (in MT)	Share in %
Paradip Sea	4.966	25.5
Kolkata Sea	4.262	21.9
Visakhapatnam Sea	4.069	20.9
Krishnapatnam	2.333	12.0
Mundra	0.801	4.1

Leading non-coking coal exporting country to India is Indonesia (71.5%) followed by South Africa (22.2%) and USA (0.6%). Leading ports through which non-coking coal is imported are Chennai Sea (13.3%), Mundra (10.8%) and Krishnapatnam (8.6%).

Import of Non-Coking Coal in 2010-11		
Country	Quantity (in Mt.)	Share in %
Indonesia	35.363	71.5
South Africa	10.990	22.2
USA	0.290	0.6
Philippines	0.262	0.5
Vietnam Soc Rep	0.241	0.5
Total	49.434	

Port	Quantity (in Mt.)	Share in %
Chennai Sea	6.577	13.3
Mundra	5.342	10.8
Krishnapatnam	4.256	8.6
Navlakhi	4.134	8.4
Paradip Sea	4.106	8.3

In 2010-11, there was 59% fall in coking coal export. However, 97% hike in non-coking coal resulted into 80% hike in total coal export. Major destinations for coking coal export are Bangladesh and Nepal. This coal is exported mainly through land.

Export of Coking Coal from India during 2010-11		
Country	Quantity (in Mt.)	Share in %
Bangladesh	0.099	89.5
Nepal	0.011	10.3
Total	0.111	

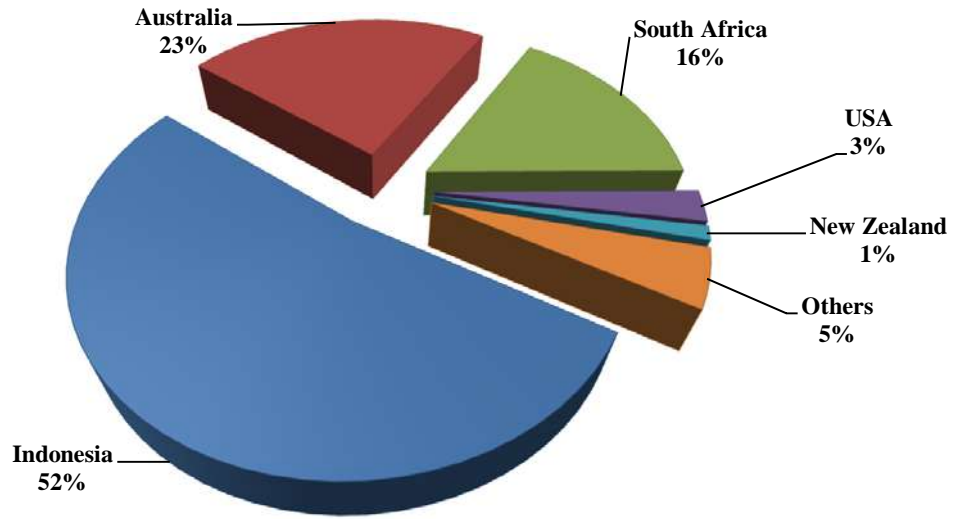
Port	Quantity (in Mt.)	Share in %
Chasuapara	0.072	65.1
Dalu	0.020	18.0
Panitanki	0.008	7.0
Kotwaligate (Mohedipur)	0.008	6.9
Hili (West)	0.001	1.0

Following table will provide major destination states and ports through which maximum amount (88%) of non-coking coal is exported.

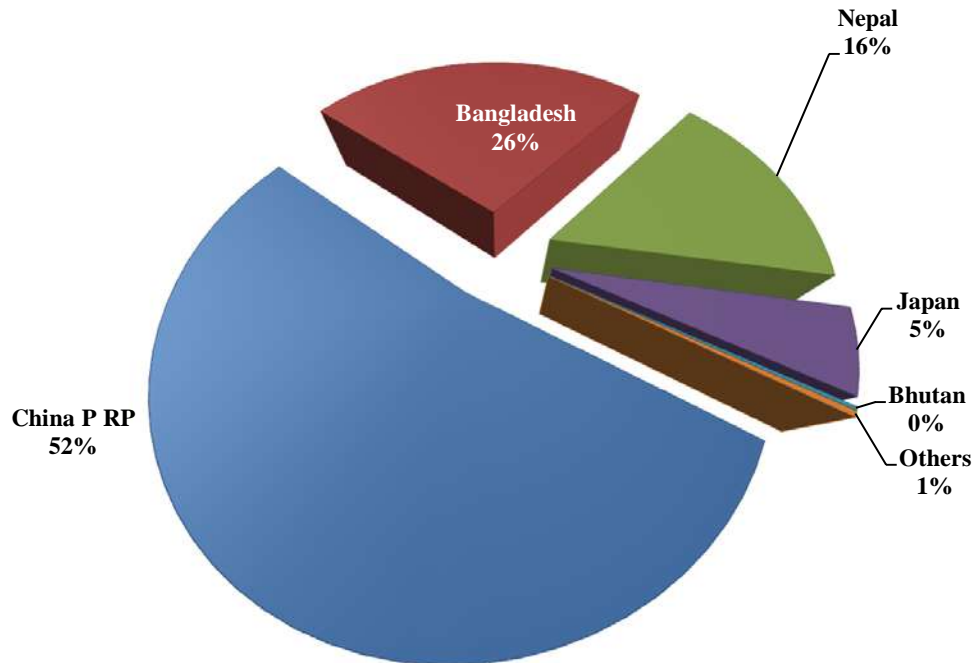
Export of Non-Coking Coal from India during 2010-11		
Country	Quantity (in Mt.)	Share in %
China P RP	2.301	53.5
Bangladesh	1.060	24.7
Nepal	0.693	16.1
Japan	0.232	5.4
Bhutan	0.008	0.2
Total	4.298	

Port	Quantity (in Mt.)	Share in %
Panaji	2.479	56.2
Borsorah	0.528	12.0
Panitanki	0.387	8.8
Chasuapara	0.212	4.8
Nautanwa (Sonauli)	0.255	5.8

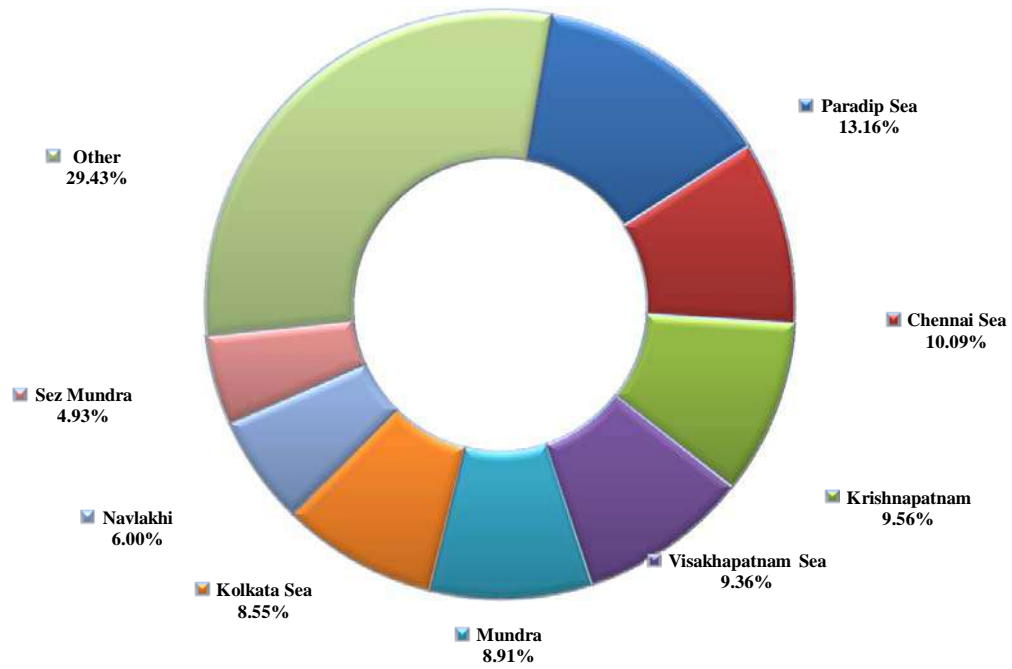
Ch.7.1: SOURCE COUNTRY WISE IMPORT OF COAL IN 2010-11



Ch.7.2: DESTINATION COUNTRY WISE EXPORT OF COAL IN 2010-11



Ch. 7.3: PORT WISE IMPORT OF COAL IN 2010-11



Ch. 7.4: PORT WISE EXPORT OF COAL IN 2010-11

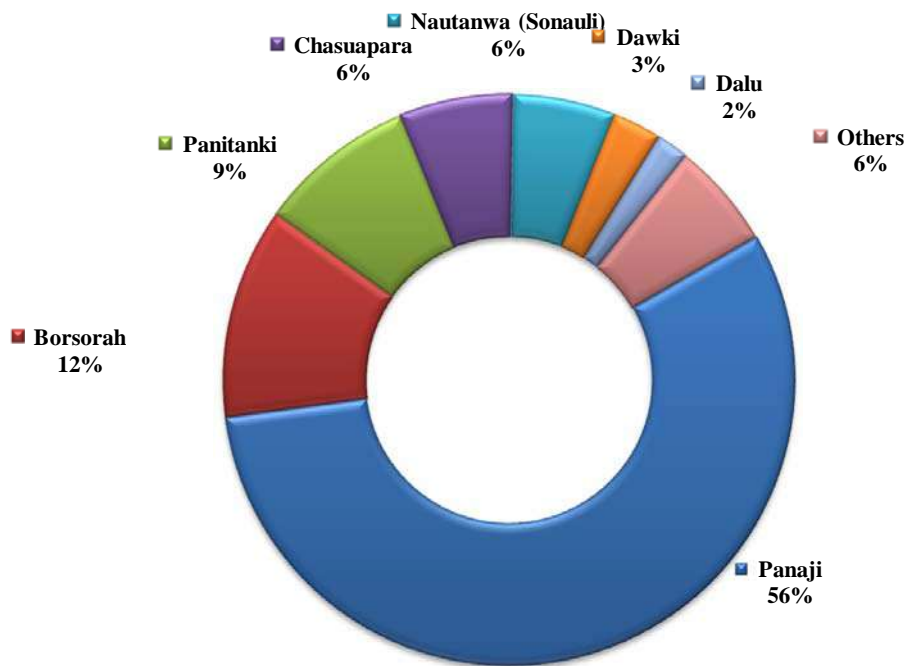


TABLE 7.1 : YEAR WISE IMPORT OF COAL AND COKE TO INDIA DURING LAST TEN YEARS

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

Year	Coking Coal		Non-Coking Coal		Total Coal		Coke	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2001-02	11.107	27919	9.441	17437	20.548	45356	2.284	9171
2002-03	12.947	33954	10.313	16325	23.260	50279	2.245	10121
2003-04	12.992	36702	8.691	13385	21.683	50087	1.894	14741
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

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	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2001-02	0.879	1359	1.024	1545	1.903	2904	0.006	17
2002-03	0.163	312	1.354	2274	1.517	2586	0.003	10
2003-04	0.158	252	1.469	2670	1.627	2922	0.197	100
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	0.269	696	2.185	4349	2.454	5045	0.178	2264
2010-11	0.111	265	4.298	12376	4.409	12641	0.650	9912

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.

Table 7.3 : Source country- wise Import of Coal and Coke to India during 2010-11

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

Country	Coking Coal		Non-Coking Coal		Total Coal		Coke	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Indonesia	0.581	4740	35.363	130048	35.944	134788		
Australia	15.948	171192	0.001	2	15.949	171194	0.222	3911
South Africa	0.224	1341	10.990	55931	11.214	57273		
USA	1.481	18504	0.290	1325	1.771	19829	0.176	3070
New Zealand	0.795	7704			0.795	7704		
Russia	0.244	2588	0.180	1628	0.423	4217	0.090	1748
Philippines			0.262	802	0.262	802		
China PRP	0.112	1350	0.131	402	0.242	1753	0.701	16212
Vietnam Soc Rep			0.241	2581	0.241	2581	0.041	942
Colombia			0.100	443	0.100	443	0.037	827
UK	0.002	30	0.074	418	0.075	448	0.029	644
Kenya	0.050	676			0.050	676		
Mexico	0.022	239			0.022	239		
Iran	0.014	107			0.014	107		
Malaysia	0.011	147			0.011	147		
Canada	0.000	1	0.000	1	0.000	2		
Others	0.000	0.347	1.804	13293	1.804	13293	0.195	3850.141
Total	19.484	208621	49.434	206875	68.918	415496	1.490	31204

Table 7.4 : Destination Country Wise Export Of Coal And Coke From India During 2010-11

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

Country	Coking Coal		Non-Coking Coal		Total Coal		Coke	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
China P RP			2.301	7024	2.301	7024		
Bangladesh	0.099	227	1.060	2236	1.159	2463		
Nepal			0.693	1210	0.693	1210		
Japan			0.232	1865	0.232	1865		
Bhutan			0.008	24	0.008	24	0.132	480
U S A			0.000	0	0.000	0	0.036	693
Turkey			0.000	0	0.000	0	0.080	1466
Brazil					0.000	0	0.323	6042
Pakistan					0.000	0	0.020	372
Liberia	0.000	0						
N. Mariana Is.	0.000	0						
Nepal	0.011	37						
Others	0.000	0	0.003	16	0.015	54	0.060	859
Total	0.111	265	4.298	12376	4.409	12641	0.650	9912

Table 7.5 : Port Wise Import of Coal & Coke to India during 2010-11

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

PORT	Coking Coal		Non-Coking Coal		Total Coal		Coke	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Paradip Sea	4.967	50807	4.106	23968	9.073	74775	0.551	11514
Chennai Sea	0.376	3840	6.577	25189	6.953	29028	0.184	4323
Krishnapatnam	2.334	24127	4.256	20019	6.590	44145	0.202	3011
Visakhapatnam Sea	4.070	46698	2.384	8892	6.454	55590	0.109	2354
Mundra	0.801	7161	5.342	28609	6.143	35771		
Kolkata Sea	4.262	50376	1.631	10152	5.894	60528	0.021	487
Navlakhi			4.134	16164	4.134	16164		
Sez Mundra			3.395	6314	3.395	6314		
Surat	0.033	250	3.258	10608	3.291	10858	0.160	3667
Mumbai Sea			3.112	11823	3.112	11823		
Tuticorin Sea			2.521	9516	2.521	9516	0.001	15
Kandla Sea	0.466	5378	1.457	5483	1.922	10861		
Newmangalore Sea	0.321	2804	1.447	5321	1.768	8125	0.049	1131
Pipavab(Vicyor)	0.103	1129	1.271	5287	1.373	6416		
Bedi Sea	0.723	6521	0.140	710	0.862	7231		
Marmagoa Sea	0.625	5475	0.150	656	0.775	6131	0.080	1540
Dehej	0.025	264	0.738	3216	0.763	3480		
Ratnagiri	0.048	515	0.548	2287	0.596	2801		
Muldwarka			0.591	2783	0.591	2783		
Porbandar	0.028	262	0.482	2239	0.511	2502		
Okha	0.053	580	0.415	1804	0.468	2385		
Kakinada Sea	0.097	641	0.324	1400	0.421	2042		
Nagapattinam			0.219	906	0.219	906		
Gangavaram	0.152	1790	0.050	143	0.202	1933		
Bhavnagar			0.162	590	0.162	590		
Sikka			0.108	561	0.108	561		
Cochin Sea			0.030	137	0.030	137		
Others	0.000	1	0.589	2098	0.589	2099	0.133	3163
Total	19.484	208621	49.434	206875	68.918	415496	1.490	31204

Table 7.6 : Port Wise Exort of Coal & Coke from India during 2010-11

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

PORT	Coking Coal		Non-Coking Coal		Total Coal		Coke	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Panaji			2.479	7828	2.479	7828		
Borsorah			0.528	1155	0.528	1155		
Panitanki	0.008	29	0.387	994	0.395	1023		
Chasuapara	0.072	166	0.212	436	0.284	602		
Nautanwa (Sonauli)	0.001	1	0.255	114	0.256	115		
Dawki			0.123	269	0.123	269		
Dalu	0.020	45	0.060	137	0.080	182		
Sutarkandi			0.076	157	0.076	157		
Newmangalore Sea			0.054	1061	0.054	1061		
Nepalganj	0.001	2	0.036	61	0.037	63		
Kotwaligate (Mohedipur)	0.008	17			0.008	17		
Hili (West)	0.001	2			0.001	2		
Ghajadanga	0.001	1			0.001	1		
Gouriphanta	0.000	1			0.000	1		
Joynagar	0.000	0			0.000	0		
Mundra							0.340	6240
Kolkata Sea							0.012	237
Kandla Sea							0.154	2918
Jaigaon							0.132	480
Other	0.000	1	0.089	164	0.089	164	0.012	38
Total	0.111	265	4.298	12376	4.409	12641	0.650	9912

Section: VIII

Coal Consumption in Steel Plants, Power Generation Plants, Cement Plants & Washery Performance

Demand of Power, Steel and Cement in a developing country is closely related to its economic growth. Coal is one of the main input 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.

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 etc.

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.

Generally Indian coking coal is characterised by high ash and low sulfur contents. Around 60% of total coking coal produced indigenously, as of now, are used for metallurgical purpose and the balance are used for non-metallurgical purposes due to inappropriate quality and very high cost of washing to make it suitable for use in steel making. Imported coking coal with low ash content is also blended with indigenous coking coal. Indigenous coking coal is washed in different washeries owned by various coal

companies and integrated steel plants to reduce the ash content. In the process, besides washed coal by-products viz. middling and reject/slurry are produced. Middling is mostly used in power sector.

To understand the performance of washeries, the list of such washeries and information on washeries are collected directly from these washeries and reported in table 8.3 to 8.6. Washery Yield, which is a ratio of washed coal produced to raw coal feed into the washery are worked out for each washery. Due to depleting reserves of good quality coking coal in the existing mines, the production of the same is declining over the years. As on 31.3.2011, there are 19 coking coal washeries with 32.80 Mill Tonnes per annum feed capacity in the country.

Steel plant wise data on coal consumption both indigenous and imported are provided in table 8.1 & 8.2 for the last few years. This information is collected from SAIL and other Steel producing companies.

With the rising demand of washed non-coking coal particularly after the Ministry of Environment & Forest's restriction in using coal having more than 34% ash in the power plant situated more than 1000 km away from the mine/pit head, washing of non coking coal has got momentum in recent years. However data from all the non coking coal washeries yet could not be collected and validated, as such, performance of non coking washeries owned by coal companies only reported in table 8.6 and the list of such washeries are reported in table 8.5.

Besides using coal for preparation of coke, steel plants also use good quantity of non-coking coal for running boiler.

Data on Power Generation installed capacity is collected from Central Electricity Authority. As on 1.4.2011, around 93,918 MW power generating installed capacity belong to coal and lignite based power station out of total 2, 05,143 MW power generating installed capacity in India. Thus 45.78% of total installed capacity is coal-based power station. Tables 8.7 and 8.8 provide data on installed capacity, prime-mover wise for last few years and the generation.

Similarly data on installed capacity of cement production in the country and coal consumption in these plants are collected from Cement Manufacturer's Association and reported in table 8.9 and 8.10.

Some Key indicators for 2010-11

Installed Capacity of Coal Based Power Utilities+ Non-Utilities as on 31.03.2011	93918 MW
Electricity generation in 2010-11	559922 Mn KwH
Installed capacity of Cement Plants as on 2010-11	238.40 MT
Cement Production in 2010-11	169 MT
Installed capacity of Coking Coal Washeries	32.80MT
Washed (Coking) Coal Production	6.955MT

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

PLANT	ITEM	2010-11						2009-10					
		INDIGENOUS			IMPORTED	TOTAL COKING	Boiler Coal	INDIGENOUS			IMPORTED	TOTAL COKING	Boiler Coal
		Prime	Medium	Total				Prime	Medium	Total			
BHILAI (B.S.P.)	Opn. Stock	54	26	80	160	240	76	9	69	78	85	163	78
	Receipt	558	432	990	3866	4856	712	446	539	985	4113	5098	725
	Consumption	704	450	1154	4133	5287	734	455	654	1109	4146	5255	679
	Cls. Stock	12	24	36	65	101	40	54	26	80	160	240	76
ROURKELA (R.S.P.)	Opn. Stock	28	13	41	41	82	104	6	22	28	43	71	146
	Receipt	410	145	555	1666	2221	1517	289	230	519	1655	2174	1507
	Consumption	435	144	579	1674	2253	1533	290	227	517	1654	2171	1528
	Cls. Stock	4	18	22	25	47	95	28	13	41	41	82	104
DURGAPUR (D.S.P.)	Opn. Stock	39	13	52	44	96	44	6	25	31	28	59	72
	Receipt	265	206	471	1464	1935	862	285	236	521	1498	2019	854
	Consumption	307	207	514	1444	1958	832	272	221	493	1477	1970	901
	Cls. Stock	0	13	13	32	45	37	39	13	52	44	96	44
BOKARO (B.S.L.)	Opn. Stock	29	13	42	99	141	36	9	23	32	76	108	49
	Receipt	469	382	851	2584	3435	1491	414	350	764	2840	3604	1767
	Consumption	475	342	817	2661	3478	1435	409	376	785	2808	3593	1794
	Cls. Stock	5	16	21	77	98	66	29	13	42	99	141	36
I.S.P.	Opn. Stock	11	4	15	4	19	9	3	8	11	3	14	6
	Receipt	524	25	549	559	1108	193	554	49	603	268	871	195
	Consumption	495	92	587	550	1137	190	422	196	618	262	880	196
	Cls. Stock	4	10	14	11	25	6	11	4	15	4	19	9
SAIL TOTAL	Opn. Stock	161	69	230	348	578	269	33	147	180	235	415	351
	Receipt	2226	1190	3416	10139	13555	4775	1988	1404	3392	10374	13766	5048
	Consumption	2416	1235	3651	10462	14113	4724	1848	1674	3522	10347	13869	5098
	Cls. Stock	25	81	106	210	316	244	161	69	230	348	578	269
T.I.S.CO.	Opn. Stock	69	104	173	471	644	N.A.	9	54	63	48	111	9
	Receipt	830	1954	2784	2462	5246	N.A.	445	1679	2124	1359	3483	135
	Consumption	847	1921	2768	2406	5174	N.A.	434	1672	2106	1331	3437	139
	Cls. Stock	52	136	188	526	714	N.A.	21	61	82	75	157	5
V.S.P.	Opn. Stock	0	61	61	125	186	132	3	98	101	247	348	53
	Receipt	0	377	377	3511	3888	1389	0	327	327	2463	2790	1634
	Consumption	0	361	361	3444	3805	1452	3	364	367	2654	3021	1556
	Cls. Stock	0	77	77	193	270	69	0	61	61	56	117	131
GRAND TOTAL	Opn. Stock	230	234	464	944	1408	401	45	299	344	530	874	413
	Receipt	3056	3521	6577	16112	22689	6164	2433	3410	5843	14196	20039	6817
	Consumption	3263	3517	6780	16312	23092	6176	2285	3710	5995	14332	20327	6793
	Cls. Stock	77	294	371	929	1300	313	182	191	373	479	852	405

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	2006-07	414	8.6	545	11.3	0	0.0	3875	80.2	4834	100.0	4817
	2007-08	403	8.0	693	13.8	0	0.0	3939	78.2	5035	100.0	5269
	2008-09	481	9.4	664	13.0	0	0.0	3981	77.7	5126	100.0	5387
	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
BSL	2006-07	862	51.7	285	17.1	0	0.0	521	31.2	1668	100.0	4588
	2007-08	626	16.2	544	14.1	0	0.0	2693	69.7	3863	100.0	4658
	2008-09	406	11.3	407	11.3	0	0.0	2794	77.5	3607	100.0	4021
	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
DSP	2006-07	301	16.1	285	15.2	0	0.0	1289	68.7	1875	100.0	2064
	2007-08	328	16.9	321	16.6	0	0.0	1288	66.5	1937	100.0	2186
	2008-09	225	11.8	310	16.2	0	0.0	1376	72.0	1911	100.0	2110
	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
Rourkela	2006-07	712	33.2	446	20.8	0	0.0	985	46.0	2143	100.0	2124
	2007-08	317	16.1	305	15.5	0	0.0	1349	68.4	1971	100.0	2230
	2008-09	278	13.3	254	12.2	0	0.0	1557	74.5	2089	100.0	2201
	2009-10	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
ISP	2006-07	552	45.3	166	13.6	0	0.0	501	41.1	1219	100.0	775
	2007-08	556	47.0	110	9.3	0	0.0	516	43.7	1182	100.0	641
	2007-08	556	47.0	110	9.3	0	0.0	516	43.7	1182	100.0	641
	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
DPL	2006-07	552	45.3	166	13.6	0	0.0	501	41.1	1219	100.0	775
	2007-08	0	0.0	47	14.7	0	0.0	273	85.3	320	100.0	641
	2008-09	0	0.0	25	9.4	0	0.0	242	90.6	267	100.0	598
	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
VSP(RINL) Visakhapatnam	2006-07	0	0.0	418	12.5	0	0.0	2936	87.5	3354	100.0	4046
	2007-08	0	0.0	490	16.4	0	0.0	2490	83.6	2980	100.0	3913
	2007-08	0	0.0	490	16.4	0	0.0	2490	83.6	2980	100.0	3913
	2009-10	3	0.1	364	12.0	0	0.0	2654	87.9	3021	100.0	3900
	2010-11	0	0.0	361	9.5	0	0.0	3444	90.5	3805	100.0	3830
TISCO Jamshedpur	2006-07	649	18.8	1715	49.8	0	0.0	1081	31.4	3445	100.0	5554
	2007-08	446	15.0	1695	57.1	0	0.0	830	27.9	2971	100.0	5374
	2008-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2009-10	434	12.6	1672	48.6	0	0.0	1331	38.7	3437	100.0	7231
	2010-11	847	16.4	1921	37.1	0	0.0	2406	46.5	5174	100.0	7503

TABLE 8.3: COKING COAL WASHERIES IN INDIA DURING 2010-11

Sector	Owner Company	Name of Washery	Year of Commissioning	Feed Type	State	Location/Coal field	Raw Coal Capacity (MTA)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Public	Bharat Coking Coal Ltd.	Dugda-II	1968	Pr. Ckg.	Jharkhand	Jharia	2.00
		Bhojudih	1962 (Expn-64)	Pr. Ckg.	Jharkhand	Jharia	1.70
		Patherdih	1964	Pr. Ckg.	Jharkhand	Jharia	1.60
		Sudamdih	1981	Pr. Ckg.	Jharkhand	Jharia	1.60
		Barora	1982	Pr. Ckg.	Jharkhand	Jharia	0.42
		Moonidih	1983	Pr. Ckg.	Jharkhand	Jharia	1.60
		Mahuda	1990	Md. Ckg.	Jharkhand	Jharia	0.63
		Madhuband	1998	Pr. Ckg.	Jharkhand	Jharia	2.50
		Dugda-I	1998	Pr. Ckg.	Jharkhand	Jharia	2.50
							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
						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
						5.66	
Total Private						5.66	
Grand Total						32.80	

TABLE 8.4: COKING COAL WASHERY PERFORMANCE IN LAST THREE YEARS

(Figs. in Thousand Tonnes)

Year	Owner Company	Raw Coal Feed	Washed Coal	Yield (%)
			Prod.	Washed Coal
(1)	(2)	(3)	(4)	(5)
2010-11	BCCL	3461	1549	44.8
	CCL	3053	1453	47.6
	WCL	502	191	38.0
	Total CIL	7016	3193	45.5
	SAIL	1001.6	592	59.1
	Total Public	8017.6	3785	47.2
	TSL (Private)	7052	3170	45.0
	Total Private	7052	3170	45.0
	Grand Total	15069.6	6955	46.2
2009-10	BCCL	3292.0	1329.0	40.4
	CCL	3059.0	1396.0	45.6
	WCL	501.0	248.0	49.5
	Total CIL	6852.0	2973.0	43.4
	SAIL	1003.0	526.0	52.4
	Total Public	7855.0	3499.0	44.5
	TSL (Private)	6961.0	3048.0	43.8
	Total Private	6961.0	3048.0	43.8
	Grand Total	14816.0	6547.0	44.2
2008-09	BCCL	3314.0	1605.0	48.4
	CCL	3512.0	1709.0	48.7
	WCL	698.0	366.0	52.4
	Total CIL	7524.0	3680.0	48.9
	SAIL	748.0	577.0	77.1
	Total Public	8272.0	4257.0	51.5
	TSL (Private)	6983.0	2925.0	41.9
	Total Private	6983.0	2925.0	41.9
	Grand Total	15255.0	7182.0	47.1

TABLE 8.5: NON COKING COAL WASHERY OWNED BY COLLIRIES IN INDIA DURING 2010-11

Sector	Owner Company	Name of Washery	Year of Commissioning	Feed Type	State	Location/ Coal field	Raw Coal Capacity (MTA)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Public	Bharat Coking Coal Ltd.	Dugda-I	1968	Non-Ckg	Jharkhand	Jharia	1.00	
		Lodna	1955, 1990 (mod)	Non-Ckg	Jharkhand	Jharia	0.48	
		Madhuban	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
	Singreni Collieries Compant Ltd.	Manuguru	2010-11	Non-Coking	A.P.	Khammam	1.50	
		Ramagundam	2010-11	Non-Coking	A.P.		1.50	
							3.00	
Total Public				Non-Coking			23.20	
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		Non-Coking	Chhatisgarh	Korba	6.00	
		DIPKA		Non-Coking	Chhatisgarh	Korba	12.00	
		PANDER PAUNI		Non-Coking	Maharashtra	Bollarpur	3.00	
		GEVRA		Non-Coking	Chhatisgarh	Korba	5.00	
		BINJHRI		Non-Coking	Chhatisgarh	Korba	0.96	
	ARYAN ENERGY PVT LTD	INDARAM		Non-Coking	A.P.	Ramagundam	0.60	
		TALCHER		Non-Coking	Orissa	Talcher	2.00	
		BHATIA INTERNATIONAL LIMITED	WANI		Non-Coking	Maharashtra	Wardha	2.00
	GLOBAL COAL & MINING PVT. LTD	GHUGUS		Non-Coking	Maharashtra	Wardha	4.00	
		IB VALLEY		Non-Coking	Orissa	Ib valley	1.50	
		RAMAGUNDAM		Non-Coking	A.P.	Ramagundam	1.00	
		TALCHER		Non-Coking	Orissa	Talcher	2.50	
	GUPTA COAL FIELD & WASHERIES LTD.	TALCHER		Non-Coking	Orissa	Talcher	2.50	
		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 PV	WANI		Non-Coking	Maharashtra	Wardha	13.00	
		SPECTRUM COAL & POWER LTD (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	
		Earth Minerals Company Ltd	Jharsuguda	2008	Non-Coking	Orissa	Talcher	4.00
Total Private							88.41	
Grand Total							111.61	

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

Year (1)	Company (2)	Raw Coal Feed (3)	Production (4)	Yield (%) (5)
2010-11	BCCL *	317.0	314	99.1
	CCL	9172.0	8063	87.9
	NCL	3589.0	3339	93.0
	Total CIL	13073	11716	89.6
	SCCL	1239	651	52.5
	Total Public	14312	12367	86.4
	JSPL	5775	1927	33.4
	BLA Industries Pvt. Ltd.	297	256	86.2
	Aryan Coal beneficiation Pvt. Ltd.	19615	15271	77.9
	Aryan energy Pvt. Ltd.	80	50	62.5
	Bhatia Internationa Ltd.	1930	1700	88.1
	Global Coal & Mining Pvt. Ltd.	3540	2540	71.8
	Kartikay Coal Washeries Pvt Ld	1050	900	85.7
	Earth Minerals Company Ltd	152.4	117.7	77.2
	Total Private	32439	22761.7	70.2
	Grand Total	46751	35128.7	75.1
2009-10	BCCL *	446.0	301.0	67.5
	CCL	8684.0	7424.0	85.5
	NCL	3931.0	3522.0	89.6
	Total CIL	13061.0	11247.0	86.1
	Total Public	13061.0	11247.0	86.1
	JSPL	5314.7	1766.4	33.2
	BLA Industries Pvt. Ltd.	299.6	293.6	98.0
	Aryan Coal beneficiation Pvt. Ltd.	19162.5	14959.6	78.1
	Aryan energy Pvt. Ltd.	101.4	61.0	60.2
	Bhatia Internationa Ltd.	2124.2	2467.0	116.1
	Global Coal & Mining Pvt. Ltd.	3132.5	2239.7	71.5
	Kartikay Coal Washeries Pvt Ld	924.7	782.3	84.6
	Spectrum Coal & Power Ltd.	6495.0	5145.2	79.2
	Earth Minerals Company Ltd	80.2	67.1	83.6
	Total Private	37634.8	27781.7	73.8
	Grand Total	50695.8	39028.7	77.0
2008-09	BCCL	1143.0	987.0	86.4
	CCL	8108.0	6558.0	80.9
	NCL	3465.0	2961.0	85.5
	Total CIL	12716.0	10506.0	82.6
	Total Public	12716.0	10506.0	82.6
	JSPL	4914.0	1606.0	32.7
	BLA Industries Pvt. Ltd.	235.0	230.0	97.9
	Aryan Coal beneficiation Pvt. Ltd.	20280.7	15112.7	74.5
	Aryan energy Pvt. Ltd.	932.6	723.8	77.6
	Bhatia Internationa Ltd.	1414.9	1162.8	82.2
	Indo Unique Flames Ltd.	443.7	365.9	82.5
	Global Coal & Mining Pvt. Ltd.	1746.2	1315.0	75.3
	Gupta Coal and Washeries Ltd.	5662.0	4594.7	81.1
	Kartikay Coal Washeries Pvt Ld	302.0	257.0	85.1
	Spectrum Coal & Power Ltd.	5767.0	5078.0	88.1
	Earth Minerals Company Ltd	32.4	24.6	76.1
	Total Private	41698.1	30445.9	73.0
	Grand Total	54414.1	40951.9	75.3

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 6 th Plans(31.03.1985)	14460	26311	542	177	27030	1095	0	42585
End of 7 th 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 8 th Plan (31.03.97)	21658	54154	6562	294	61010	2225	902	85795
End of 9 th Plan (31.03.2002)	26269	62131	11163	1135	74429	2720	1628	105046
31.03.2003 (Utilities only)	26767	63951	11633	1178	76762	2720	1628	107877
31.03.2004 (Utilities only)	29507	64956	11840	1173	77969	2720	2488	112684
31.03.2005 (Utilities only)	30942	67791	11910	1202	80902	2770	3811	118426
31.03.2006 (Utilities only)	32326	68519	12690	1202	82411	3360	6191	124287
End of 10 th Plan (31.03.2007)	34654	71121	13692	1202	86015	3900	7761	132329
31.03.2009 (Utilities+Non-Utilities)	36989	91466	18497	9950	119913	4120	13617	174639
Utilities	36878	77649	14876	1200	93725	4120	13242	147965
Non-Utilities	111	13817	3621	8750	26188	0	375	26674
31.03.2010 (Utilities+Non-Utilities)	36989	101381	26513	5568	133462	4560	15975	190986
Utilities	36863	84198	17056	1200	102454	4560	15521	159398
Non-Utilities	55	17183	9457	4368	31008	0	454	31517
31.03.2011* (Utilities+Non-Utilities)	37567	93918	17706	1200	112824	4780	18455	205143
Utilities	37567	93918	17706	1200	112824	4780	18455	173626
Non-Utilities		(bifurcation not available)						31517

Note:

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

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

Table 8.8: Electricity Gross Generation by Prime movers (Million Kwh)

Year	Sector	Hydro	Thermal Electricity				Nuclear	Grand Total
			Coal based	Gas based	Diesel etc.	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2002-03	Utilities	64014	389550	52687	7052	449289	19390	532693
	Non Utilities	90	42230	10198	11332	63760		63850
	Total	64104	431780	62885	18384	513049	19390	596543
2003-04	Utilities	75242	407284	57928	6867	472079	17780	565101
	Non Utilities	97	39610	14874	13591	68075		68172
	Total	75339	446894	72802	20458	540154	17780	633273
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	741167
	Non Utilities	146	73626	15306	10643	99575	0	99721
	Total	110245	585521	86903	43292	715716	14927	840888
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	114257	559922	100257	44144	704323	26266	844846
	Non Utilities #					0	0	114224
	Total	114257	559922	100257	44144	704323	26266	959070

* Provisional

#.- Bifurcation of non-utilities not available.

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

Year	All India/ State	Capacity (Mill. Tonnes)	Clinker		Cement Production	Capacity Utilisation(%)
			Production	Ground		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1996-97	All India	96.68	64.88	62.12	69.98	81
1997-98	All India	101.93	71.28	67.92	76.74	81
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
	Andhra Pradesh	47.25	27.93	23.79	28.97	61.31
	Assam	0.20	0.14	0.13	0.13	65.00
	Bihar	1.00	0.48	0.49	0.76	76.00
	Chhattisgarh	11.63	9.20	6.02	9.34	80.31
	Delhi	0.50	-	-	-	-
	Gujarat	18.72	12.65	10.49	12.18	65.06
	Haryana	2.97	-	1.37	1.93	64.98
	Himachal Pradesh	1.95	2.47	1.18	2.07	106.15
	Jammu & Kashm	0.53	0.12	0.13	0.14	26.42
	Jharkhand	3.40	-	1.73	3.50	102.94
	Karnataka	14.32	9.37	7.95	9.78	68.30
	Kerala	0.62	0.40	0.41	0.58	93.55
	Madhya Pradesh	22.27	19.51	14.30	19.19	86.17
	Maharashtra	11.80	3.84	7.43	9.53	80.76
	Meghalaya	1.76	1.29	1.12	1.55	88.07
	Orissa	6.35	1.64	2.52	4.50	70.87
	Punjab	1.75	-	0.95	1.48	84.57
	Rajasthan	40.86	27.93	23.67	30.92	75.67
	Tamil Nadu	34.38	13.88	15.40	20.63	60.01
	Uttar Pradesh	8.33	1.87	4.35	7.05	84.63
	Uttarakhand	3.00	-	0.95	1.40	46.67
	West Bengal	4.80	-	2.16	3.38	70.42

Source : Cement Manufacturers' Association

TABLE 8.10: CONSUMPTION OF COAL AND FUEL IN CEMENT SECTOR IN 2010-11

(Quantities are in Million Tonnes)

Year	Coal Receipt				Pet coke/ Lignite Purchase	Annual Fuel Procurement	Consumption					Annual Fuel Consumption	Cement Production	Fuel cement Ratio** (%)	Fuel Clinker Ratio** (%)
	Against Linkage	From Market	Imported*	Total			Coal for Kiln	Lignite	Pet Coke	Total	CPP				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1994-95	10.28	2.32	0.71	13.31	0.80	14.11						13.29	58.35		
1995-96	10.06	2.80	1.30	14.16	0.80	14.96						14.25	64.53		
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

* Members of Cement

** The ratio mainly relates to Dry process.

Source: Cement Manufacturers' Association

Section –IX

Captive Blocks Identification, Allotment and Performance.

Under the Coal Mines (Nationalisation) Act, 1973, coal mining was originally reserved for public sector exclusively. The said act was amended from time to time to allow captive mining for the following: –

- (a) captive mining by private companies engaged in production of **iron and steel** and sub-lease for coal mining to private parties in isolated small pockets not amenable to economic development and not requiring rail transport (amended in 1976),
- (b) private sector participation in coal mining as linkage for **generation of power** and for **washing of coal** obtained from a mine or for other end uses to be notified by Government from time to time (amended on. 9.6.1993), in addition to the existing provision for the production of iron and steel,
- (c) Mining of coal for production of **cement** (amended on 15.3.96).
- (d) Mining of coal for production of syn-gas obtained through coal gasification (underground and surface) and coal liquefaction (amended on 12.7.2007).

The Government decided to allow private participation in power sector in 1992 considering the need to augment power generation and to create additional capacity during the Eighth Five Year Plan period. Further, Washeries were desired to be encouraged in the private sector to augment the availability of washed coal for supply to steel plants, power houses etc. Due to resource constraints, it was assumed that total additional requirement of coal/ lignite could not be met by coal and lignite PSUs,

viz., Coal India Ltd., Singareni Collieries Company Ltd. and Neyveli Lignite Corporation Ltd.

Since then, CIL and SCCL have identified number of coal mining blocks which they would not take up for mining in near future, thus can be allotted to private / public sector for mining and the list of such blocks is being augmented from time to time.

Further some of these blocks can also be allocated to State and Central PSUs for captive as well as commercial mining, as the CM(N) Act does not restrict coal mining by public sector.

Guidelines for allocating captive blocks.

The following are the guidelines adopted for identification of blocks by CIL/SCCL for allocation to the public/ private sector for mining:

- (i) The blocks offered to private sector should be at reasonable distance from existing mines and projects of CIL in order to avoid operational problems.
- (ii) Preferably, blocks in green field areas having less or no development of basic infrastructure like road, rail links, etc. may be allotted to the public/ private sector for captive mining. The areas where CIL has already invested in creating such infrastructure for opening new mines should not be handed over to the private sector, except on reimbursement of costs.
- (iii) Blocks already identified for development by CIL where adequate funding is on hand or in sight should not be offered to the private sector.

The following are the guidelines adopted for allocation of blocks to the public/ private sector for captive mining:

(i) The allocation is made to meet the coal requirement of the permitted end use project – generation of power, production of iron & steel, manufacturing of cement, production of Syn-gas etc.

(ii) For allocating blocks, the requirements of coal for about 30 years would be generally considered.

(iii) The block may be allotted to an End User Company, JV or a Mining Company which has firm back-to back tie up with specified End User Company. The Mining Company should have a legally binding & enforceable supply agreement for the mine life.

(iv) The coal produced from the block shall not replace any coal linkage given to the applicant by the CIL Subsidiaries and/or by SCCL without prior permission of Ministry of coal.

(v) Public / private sector should be asked to bear full cost of exploration in these blocks which are allocated.

(vi) Approval of mining plan as required under the Mines and Minerals (Development & Regulation) Act, 1957.

(vii) Inspection for an appropriate enforcement of conservation measures by the Coal Controller under the Coal Mines (Conservation & Development) Act, 1974 with a view to ensuring scientific mining.

(viii) Enforcement of safety regulations by the Directorate General of Mines Safety.

(e) The coal production from captive blocks shall commence within 36 months (42 months in case of forest land) of the date of allocation in OC mine and in 48 months (54 months in case of forest) from allocation date in UG mine.

The allocation of coal/ lignite blocks is made by the Ministry of Coal based on the recommendation of a screening committee under the chairmanship of Secretary (Coal) or directly. Direct allocation made only to PSU for captive use or commercial mining is known as Government Dispensation route while the allocation through screening committee is termed as captive dispensation.

A Screening Committee has been set up in the Ministry of Coal for screening the proposals received for captive mining of coal/lignite as under:-

1. Secretary (Coal)-Chairman
2. Jt. Secretary(Coal)-Member-convener
3. Adviser(Project), MOC – Member
4. Jt. Secretary(LA), MOC – Member
5. Representative from Min. of Railways - Member
6. Representative from Min. of Power - Member
7. Representative of concerned State Government - Member
8. Dir (Tech), CIL – Member
9. CMD, CMPDIL - Member
10. Representative from Min. of Steel - Member
11. CMD of concerned CIL subsidiary / NLC - Member
12. Representative of Dept. of Industrial Policy & Promotion – Member.

Till 31.12.2011, 206 Coal Blocks and 27 Lignite blocks have been allotted. (Not considering de-allocated or surrendered blocks)

As on 31.12.2011, 28 coal blocks and 10 lignite blocks started production.

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

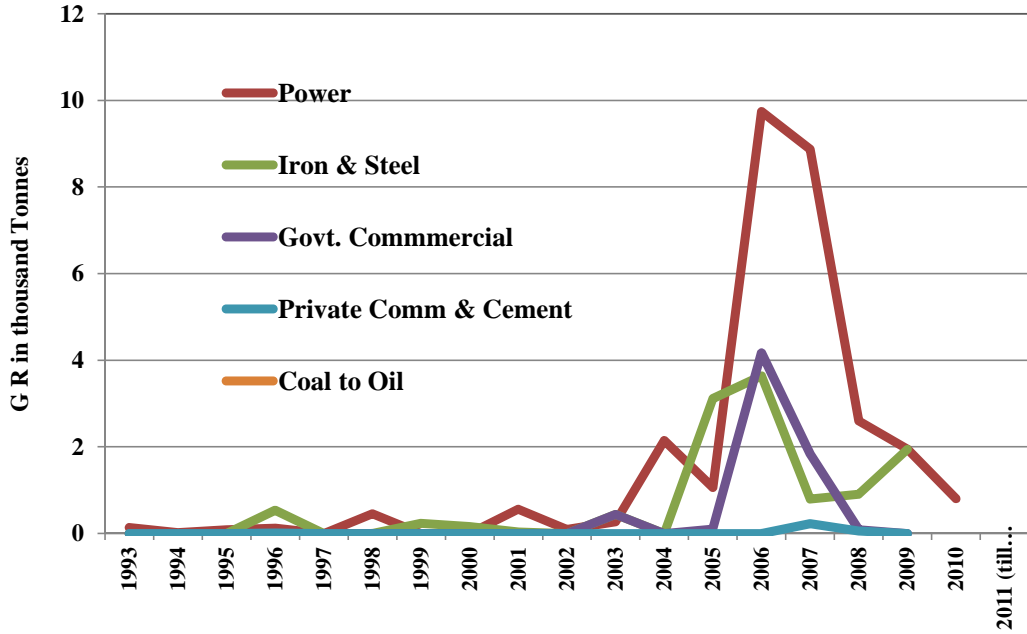


Chart-9.2 : Progressive Allocation of blocks (No.) - Sectorwise & Yearwise

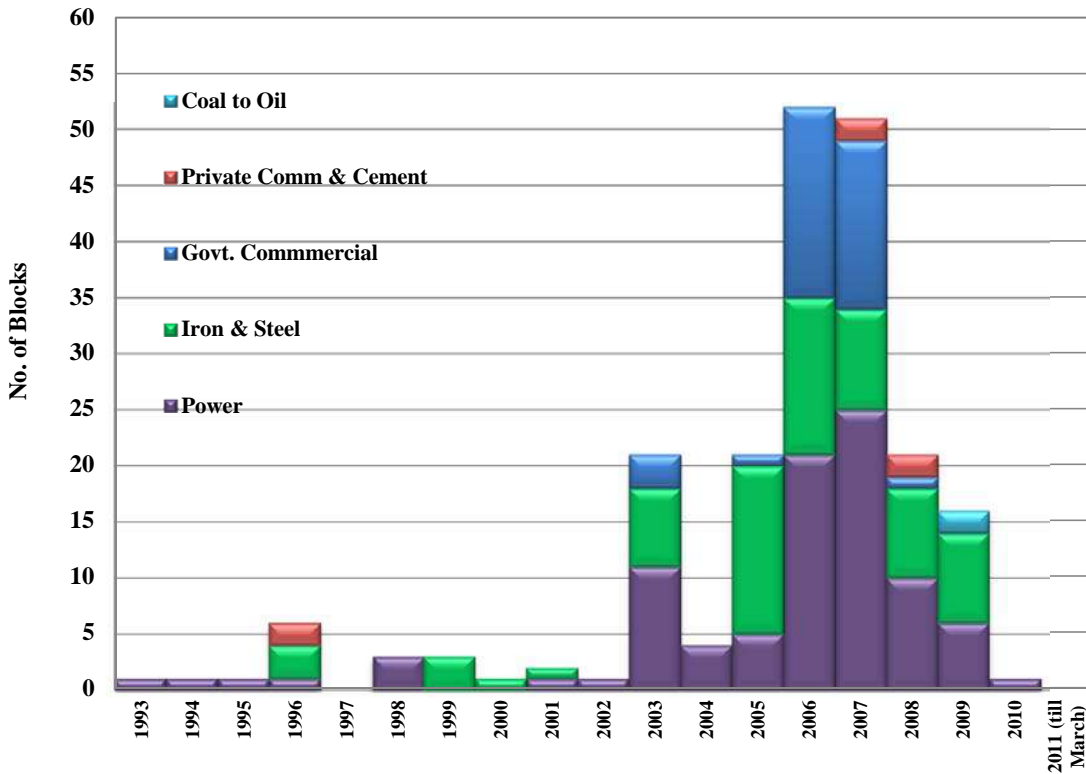


Chart-9.3 : Progressive Allocation of Geological Reserve as on 31/03/2011 - Sectorwise & Statewise

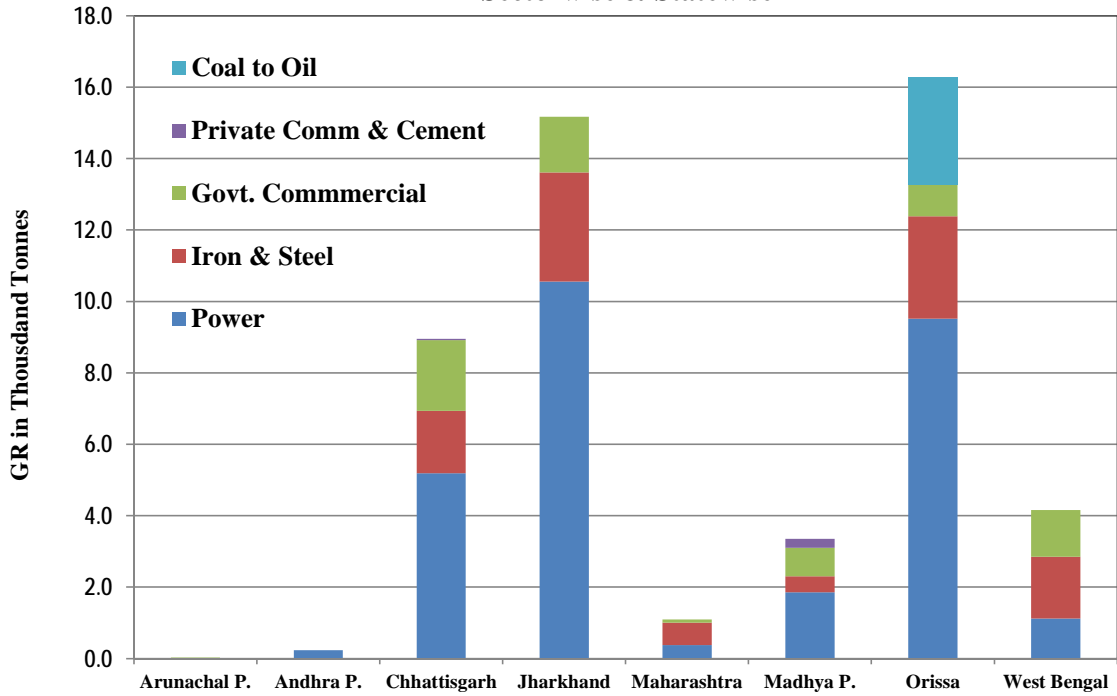
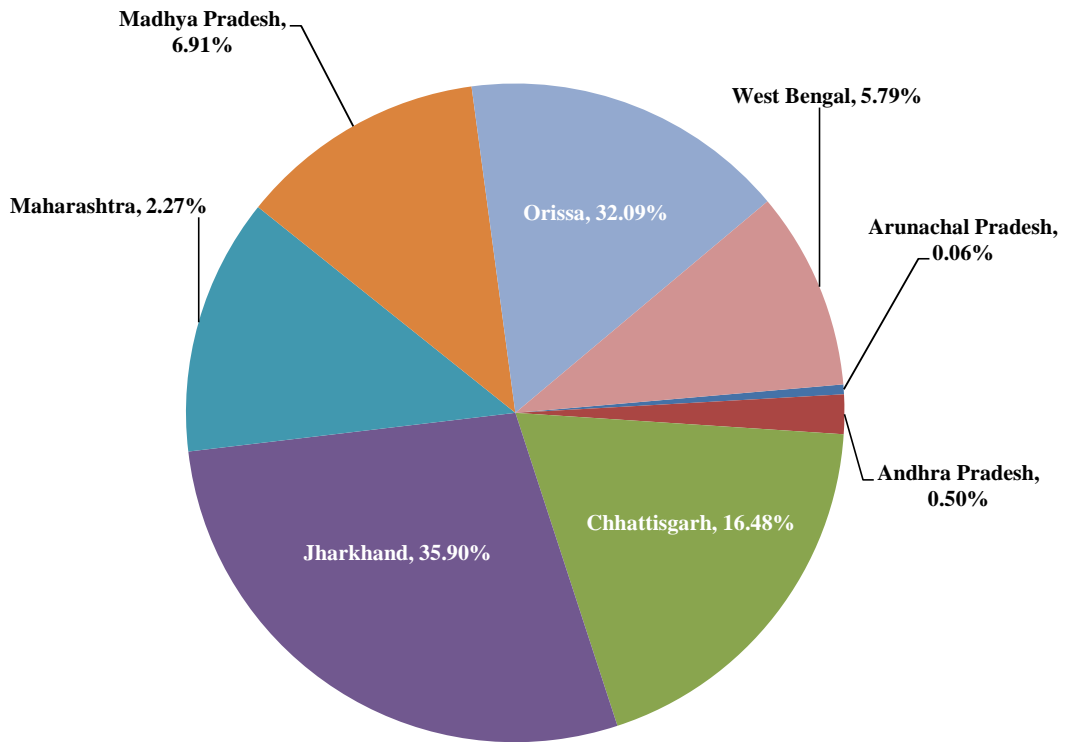


Chart 9.4: Distribution of allotted GR Statewise as on 31/03/2011



TAB. 9.1: SUMMARY OF ALLOCATION OF COAL & LIGNITE BLOCKS TILL 31/03/2011

Sector	End Use	Mode of Allotment	No of blocks	Geological Reserves (MT)
(1)	(2)	(3)	(4)	(5)
A. COAL BLOCKS				
Public Sector Undertakings	Power	Govt. dispensation	21	11384.87
	Power	Captive dispensation	34	8218.86
		Sub total	55	19603.7
	Commercial Mining	Govt. dispensation	37	6635.86
	Iron & Steel	Govt. dispensation	2	84
	Iron & Steel	Captive dispensation	2	393.8
		Sub total	4	477.8
		PSU Total	96	26717.4
Private Companies	Power	Captive dispensation	30	6645.54
	Power	Ultra Mega Power Project	7	2607
		Sub total	37	9252.5
	Iron & Steel	Captive dispensation	65	9996.315
	Cement	Captive dispensation	4	282.43
	Small and Isolated Patch (Commercial Mining)	Captive dispensation	2	9.34
	Coal to Oil	Captive dispensation	2	3000
		Pvt. Total	110	22540.6
ALL INDIA	Power		92	28856.3
	Iron & Steel		69	10474.1
	Cement		4	282.4
	Commercial Mining		39	6645.2
	Coal to Oil		2	3000
		Grand Total	206	49258.015
B. LIGNITE BLOCKS				
State PSU	Power	Govt. dispensation	9	1231.24
	Commercial	Govt. dispensation	12	640.63
		Subtotal	21	1871.87
Private	Power	Captive dispensation	6	124.9
ALL INDIA	Power		15	1356.1
	Commercial		12	640.6
		Grand Total	27	1996.8

Note.

1. The table excludes coal blocks which were deallocated/surrendered and yet not re-allocated.
2. GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan.
3. Till date, 13 more coal blocks have been deallocated and 2 new blocks have been allocated.

Table 9.2: Yearwise and Sectorwise Allotment of Captive Coal Blocks (till 31/3/2011)**GR and PRC are in Mill. Tonnes.**

Year of Allotment	Power		Iron & Steel		Govt. Commercial		Private Comm & Cement		Coal to Oil		Total	
	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves
(1)	(2)	(3)	(4)	(5)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1993	1	140.5	0	0.0	0	0.0	0	0.0			1	140.5
1994	1	22.6	0	0.0	0	0.0	0	0.0			1	22.6
1995	1	84.5	0	0.0	0	0.0	0	0.0			1	84.5
1996	1	125.7	3	535.0	0	0.0	2	9.3			6	670.1
1997	0	0.0	0	0.0	0	0.0	0	0.0			0	0.0
1998	3	454.8	0	0.0	0	0.0	0	0.0			3	454.8
1999	0	0.0	3	233.2	0	0.0	0	0.0			3	233.2
2000	0	0.0	1	156.0	0	0.0	0	0.0			1	156.0
2001	1	562.0	1	34.3	0	0.0	0	0.0			2	596.3
2002	1	92.3	0	0.0	0	0.0	0	0.0			1	92.3
2003	11	271.1	7	442.1	3	439.8	0	0.0			21	1153.0
2004	4	2143.5	0	0.0	0	0.0	0	0.0			4	2143.5
2005	5	1057.6	15	2013.5	1	103.2	0	0.0			21	3174.2
2006	21	9689.2	14	3640.4	17	4172.2	0	0.0			52	17501.8
2007	25	8870.6	9	792.5	15	1836.8	2	225.4			51	11725.3
2008	10	2596.0	8	686.4	1	84.0	2	57.1			21	3423.5
2009	6	1945.9	8	1940.6	0	0.0	0	0.0	2	3000.0	16	6886.5
2010	1	800.0									1	800.0
2011 (till March)											0	0.0
Total	92	28856.2	69	10474.1	37	6636.0	6	291.8	2	3000.0	206	49258.0

Note:

GR=Geological Reserves as estimated during allocation.

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

Table 9.3: Statewise and Sectorwise Allotment of Captive Coal Blocks - (till 31/3/2011)

GR and PRC are in Mill. Tonnes.

States in which blocks are located	Power		Iron & Steel		Govt. Commercial		Private Comm & Cement		Coal to Oil		Total	
	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Arunachal Pradesh	0	0.0	0	0.0	1	27.0	0	0.0			1	27.0
Andhra Pradesh	4	237.2	0	0.0	0	0.0	0	0.0			4	237.2
Chhattisgarh	17	5185.4	13	1753.5	8	1979.6	1	36.2			39	8954.7
Jharkhand	26	10559.1	22	3057.0	10	1559.5	0	0.0			58	15175.5
Maharashtra	9	374.3	15	631.7	2	84.0					26	1090.0
Madhya Pradesh	5	1859.2	7	445.3	8	792.3	5	255.6			25	3352.4
Orissa	21	9517.7	8	2863.1	2	886.3	0	0.0	2	3000.0	33	16267.1
West Bengal	10	1123.4	4	1723.6	6	1307.2	0	0.0			20	4154.2
Total	92	28856.2	69	10474.2	37	6635.9	6	291.8	2	3000.0	206	49258.0

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

2. Till date, 13 more coal blocks have been deallocated and 2 new blocks have been allocated.

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

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

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

Table 9.5: LIST OF COAL BLOCKS ALLOCATED TILL 31/03/2011

Srl. No.	State	Date of Allocation	Name of Block	Name of Allocatedee	Sector	GR while allotting	End Use Project	Remark
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Andhra Pradesh	20.02.2007	Punukula Chilka	APGENCO	Power	38.1	Power	
2	Andhra Pradesh	20.02.2007	Anesattapalli	APGENCO	Power	26.9	Power	
3	Andhra Pradesh	29.05.2007	Pengadappa	APGENCO	Power	110.9	Power	
4	Andhra Pradesh	29.5.2007	Tadicherla	APGENCO	Power	61.3	Power	
Andhra Pradesh						237.2		
1	Arunachal Pradesh	28.10.2003	Namchi Namphuk	ANPMDC	Govt. Comm	27	Govt. Comm	Producing
Arunachal Pradesh						27		
1	Chhattisgarh	01.07.1998	Gare Pelma IV/2&IV/3	Jindal Power Ltd.	Power	246.0	Power	Producing
2	Chhattisgarh	02.08.2006	Morga I	MSMC Ltd.	Govt. Comm	250.0	Govt. Comm	
3	Chhattisgarh	02.08.2006	Gare Palma Sector II	TSEB & MSMC Ltd.	Power	768.0	Power	
4	Chhattisgarh	02.08.2006	Parsa	CSEB	Power	150.0	Power	
5	Chhattisgarh	02.08.2006	Morga II	GMDC	Govt. Comm	350.0	Govt. Comm	
6	Chhattisgarh	02.08.2006	Gare Palma Sector I	CMDC	Govt. Comm	900.0	Govt. Comm	
7	Chhattisgarh	03.06.2009	Rajgamar Dipside	MIL, Topworth Steel	Iron & Steel	61.7	Iron & Steel	
8	Chhattisgarh	04.09.2003	Chotia	Prakash Inds. Ltd.,	Iron & Steel	34.5	Iron & Steel	Producing
9	Chhattisgarh	05.08.2008	Kesla North	Rathi Udyog Ltd.	Cement	36.2	Cement	
10	Chhattisgarh	06.02.2008	Fatehpur	Prakash Industries Ltd.,& S.K.S Ispat Ltd.	Power	120.0	Power	
11	Chhattisgarh	06.11.2007	Sayang	AES Chhatisgarh Energy P Ltd.	Power	150.0	Power	
12	Chhattisgarh	06.11.2007	Durgapur II /Sariya	DB Power Ltd.	Power	91.7	Power	
13	Chhattisgarh	06.11.2007	Durgapur-II/ Taraimar	BALCO	Power	211.4	Power	
14	Chhattisgarh	09.09.2009	Pindrakhi	Akaltara Power Ltd.	Power	421.5	Power	
15	Chhattisgarh	09.09.2009	Putra Parogia	Akaltara Power Ltd.	Power	692.2	Power	
16	Chhattisgarh	13.01.2006	Gare Palma IV/8	Jayaswal Neco Ltd.	Iron & Steel	107.2	Iron & Steel	Producing
17	Chhattisgarh	13.01.2006	Nakia I,II	Ispat Godavari Ltd. & Others	Iron & Steel	399.0	Iron & Steel	
18	Chhattisgarh	13.01.2006	Gare Palma IV/6	JSPL & Nalwa Sponge Iron Ltd.	Iron & Steel	156.0	Iron & Steel	
19	Chhattisgarh	13.01.2006	Madanpur N	Ultratech Ltd. & Others	Iron & Steel	241.6	Iron & Steel	
20	Chhattisgarh	13.01.2006	Madanpur S	Hindusthan Zinc Ltd.,	Iron & Steel	175.7	Iron & Steel	
21	Chhattisgarh	14.08.2003	Tara	Chhattisgarh Mineral Dev.Crop.Ltd.,	Govt. Comm	259.5	Govt. Comm	
22	Chhattisgarh	16.08.1999	Gare PalmaIV/4	Jayaswal Neco Ltd.,	Iron & Steel	125.0	Iron & Steel	Producing
23	Chhattisgarh	19.05.2007	Parsa East	Rajasthan Rajya Vidyut	Power	180.0	Power	
24	Chhattisgarh	19.05.2007	Kanta Basan	Rajasthan Rajya Vidyut	Power	180.0	Power	
25	Chhattisgarh	20.06.1996	GP IV/1	JSPL	Iron & Steel	124.0	Iron & Steel	Producing
26	Chhattisgarh	21.06.1996	Gare Palma IV/5	Monnet Ispat & Energy Ltd.,	Iron & Steel	126.0	Iron & Steel	Producing
27	Chhattisgarh	21.11.2008	Gare Pelma Sector III	Goa Industrial Dev Corn. Ltd.	Power	210.2	Power	
28	Chhattisgarh	21.11.2008	Bhaskarpara	Electrotherm India Ltd., Grasim Industries Ltd.	Iron & Steel	46.9	Iron & Steel	Grasim for cement
29	Chhattisgarh	22.01.2008	Fatehpur East	JLD Yotmal Energy Ltd, RKM Power green, Visa Power Ltd., Green Infrastructure Pvt. Ltd., Vandana Vidyut Ltd.	Power	450.0	Power	
30	Chhattisgarh	23.09.2004	Paturia & Gidimuri	CSEB	Power	349.5	Power	
31	Chhattisgarh	25.01.2006	Talaipali	NTPC Ltd.,	Power	965.0	Power	
32	Chhattisgarh	25.04.2000	Gare Palma IV/7	Raipur alloys & Steel Ltd.,	Iron & Steel	156.0	Iron & Steel	Producing
33	Chhattisgarh	25.07.2007	Sondiha	CMDC	Govt. Comm	70.0	Govt. Comm	
34	Chhattisgarh	25.07.2007	Shankarpur (bhatgaon II Extn)	CMDC	Govt. Comm	80.1	Govt. Comm	
35	Chhattisgarh	25.07.2007	Morga-III	MPSMCL	Govt. Comm	35.0	Govt. Comm	
36	Chhattisgarh	25.07.2007	Morga IV	MPMDCL	Govt. Comm	35.0	Govt. Comm	
Chhattisgarh						8954.72		

Table 9.5: LIST OF COAL BLOCKS ALLOCATED TILL 31/03/2011

Srl. No.	State	Date of Allocation	Name of Block	Name of Allocated	Sector	GR while allotting	End Use Project	Remark
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Jharkhand	01.08.2007	Tubeid	HINDALCO, TPL	Power	189.0	Power	
2	Jharkhand	02.08.2006	Saria Khoyatand	BRKBNL	Govt. Comm	202.0	Govt. Comm	
3	Jharkhand	02.08.2006	Pindra Debipur Khowatand	JSMDCL	Govt. Comm	110.0	Govt. Comm	
4	Jharkhand	02.08.2006	Gomia	MMTC	Govt. Comm	355.0	Govt. Comm	
5	Jharkhand	02.08.2006	Latehar	JSMDCL	Govt. Comm	220.0	Govt. Comm	
6	Jharkhand	02.08.2006	Rajbar E & D	TVNL	Power	385.0	Power	
7	Jharkhand	02.09.2005	Chitarpur North	Corporate Ispat Alloys Ltd.,	Iron & Steel	212.0	Iron & Steel	
8	Jharkhand	03.11.2003	Badam	TVNL	Power	144.6	Power	
9	Jharkhand	05.06.2008	Rohne	JSW Steel, Bhushan Steel & Power, Jai Balaji Ind.	Iron & Steel	410.0	Iron & Steel	
10	Jharkhand	05.08.2008	Macherkunda	Bihar Sponge Iron Ltd.,	Iron & Steel	23.9	Iron & Steel	
11	Jharkhand	06.11.2007	Ashok Karkata Central	Essar Power Ltd.	Power	110.0	Power	
12	Jharkhand	06.11.2007	Patal East	Bhusan Power & Steel Ltd.	Power	200.0	Power	
13	Jharkhand	07.01.2002	Tokisud North	GVK Power	Power	92.3	Power	
14	Jharkhand	07.07.2005	Central Parbatpur	Electro Steel Casting Ltd.,	Iron & Steel	231.2	Iron & Steel	Producing
15	Jharkhand	08.07.2005	Lalgarh	DOMCO	Iron & Steel	30.0	Iron & Steel	
16	Jharkhand	09.01.2008	Seregarha	Arcellor Mittal Ltd, & G.V.K. Power Ltd.	Power	150.0	Power	
17	Jharkhand	09.01.2008	Mahuagiri	CESC Ltd & Jas Infracture Capital Pvt Ltd	Power	220.0	Power	
18	Jharkhand	09.04.2007	Sitanala	SAIL	Iron & Steel	108.8	Iron & Steel	
19	Jharkhand	1.9.1999	Brahmadih	Castron Technologies Ltd.	Iron & Steel	2.2	Iron & Steel	Producing
20	Jharkhand	11.04.2008	Jogeswar Khas Jogeswar	JSMDCL	Govt. Comm	84.0	Govt. Comm	
21	Jharkhand	11.08.2005	Kotre Basantpur & Pachmo	Tata Steel Ltd.,	Iron & Steel	250.4	Iron & Steel	
22	Jharkhand	11.10.2004	Pakri Barwadih	NTPC Ltd.,	Power	1600.0	Power	
23	Jharkhand	13.01.2006	North Dadhu	Electro Steel Casting Ltd.,	Iron & Steel	923.9	Iron & Steel	
24	Jharkhand	13.01.2006	Gondulpara	TVNL	Power	140.0	Power	
25	Jharkhand	13.01.2006	Dumri	Nilachal Iron & Bajrang Ispat	Iron & Steel	18.0	Iron & Steel	
26	Jharkhand	13.05.2005	Moitra	Jayaswal Neco Ltd.	Iron & Steel	215.8	Iron & Steel	
27	Jharkhand	14.05.2008	Choritand Tiliaya	Rungta Mines Ltd., Sunflag Iron & Steel Ltd.	Iron & Steel	27.4	Iron & Steel	
28	Jharkhand	17.01.2008	Amrakonda-Murgadangal	Jindal Steel & Power Ltd. & Gagan Sponge Iron Pvt. Ltd	Power	410.0	Power	
29	Jharkhand	2.8.2006	Banhardih	JSEB	Power	400.0	Power	
30	Jharkhand	20.02.2007	Chakla	Essar Power Ltd.	Power	83.1	Power	
31	Jharkhand	20.02.2007	Jitpur	JSPL	Power	81.1	Power	
32	Jharkhand	20.07.2007	Kirandari BC	JHARKHAND UMPP	Power	972.0	Power	
33	Jharkhand	20.11.2008	Rajhara North(C&E)	Mukund Ltd.& Vini Iron & Steel Ltd.	Iron & Steel	17.1	Iron & Steel	
34	Jharkhand	24.08.2005	Lohari	Usha Martin Ltd.,	Iron & Steel	10.0	Iron & Steel	
35	Jharkhand	25.04.2006	Bundu	Rungta	Iron & Steel	102.5	Iron & Steel	
36	Jharkhand	25.07.2007	Umra Paharitola	JSEB & BSMDC	Power	700.0	Power	
37	Jharkhand	25.07.2007	Robodih OCP	JSMDCL	Govt. Comm	133.0	Govt. Comm	
38	Jharkhand	25.07.2007	Patrartu	JSMDCL	Govt. Comm	450.0	Govt. Comm	
39	Jharkhand	25.1.2006	Kerandari	NTPC	Power	228.0	Power	
40	Jharkhand	25.1.2006	Chatibariatu	NTPC	Power	193.0	Power	
41	Jharkhand	25.1.2006	Brahmini & Chircho Patsimal	NTPC+CIL	Power	2256.0	Power	
42	Jharkhand	25.7.2007	Saharpur Jamarpani	DVC	Power	600.0	Power	
43	Jharkhand	25.7.2007	Chatibariatu (South)	NTPC	Power	354.0	Power	

Table 9.5: LIST OF COAL BLOCKS ALLOCATED TILL 31/03/2011

Srl. No.	State	Date of Allocation	Name of Block	Name of Allocatedee	Sector	GR while allotting	End Use Project	Remark
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
44	Jharkhand	26.02.1996	Tasra	IISCO/SAIL	Iron & Steel	285.0	Iron & Steel	Producing
45	Jharkhand	26.04.2005	Pachwara North	WBPDCCL	Power	125.7	Power	
46	Jharkhand	26.05.2005	Brinda, Sasai & Meral	Abhijit Infrastructure Ltd.	Iron & Steel	78.1	Iron & Steel	
47	Jharkhand	26.06.2009	Mourya	JSEB	Power	225.4	Power	
48	Jharkhand	28.05.2009	Ganespur	Tata Steel Ltd., Adhunik Thermal Energy	Power	137.9	Power	
49	Jharkhand	28.05.2009	Mednirai	Rungta Mines, Kohinoor Steel	Iron & Steel	80.8	Iron & Steel	
50	Jharkhand	28.12.2001	Pachwara Central	PSEB	Power	562.0	Power	Producing
51	Jharkhand	29.09.2003	Kathautia	Usha Martin Ltd.,	Iron & Steel	29.8	Iron & Steel	Producing
52	Jharkhand	30.01.2006	Sugia, Rauta, Burakhap	JSMDCCL	Govt. Comm	5.5	Govt. Comm	
Jharkhand						15175.6		
1	Madhya Pradesh	01.08.2007	Brahmpuri	Pushp Industries	Iron & Steel	55.0	Iron & Steel	
2	Madhya Pradesh	02.08.2006	Mara II Mahan	Govt. of NCT, Delhi & Oth.	Power	965.0	Power	
3	Madhya Pradesh	02.08.2006	Dongeri Tal II	MPSMCL	Govt. Comm	175.0	Govt. Comm	
4	Madhya Pradesh	05.08.2008	TandsiIII & Tandsi III Extn.	Mesco Steel Ltd.	Iron & Steel	17.4	Iron & Steel	
5	Madhya Pradesh	12.01.2006	Amelia & Amelia North	MPSMCL	Govt. Comm	315.7	Govt. Comm	
6	Madhya Pradesh	12.04.2006	Mahan	Essar power & Hindalco	Power	144.2	Power	
7	Madhya Pradesh	12.08.2008	Bikram	Birla Corporation Ltd.	Cement	20.9	Cement	
8	Madhya Pradesh	12.10.2009	Urtan North	JSPL & Monnet Ispat Ltd.	Iron & Steel	69.8	Iron & Steel	
9	Madhya Pradesh	13.09.2006	Moher	Power Finance Corpn. Ltd.	Power	402.0	Power	
10	Madhya Pradesh	13.09.2006	Moher Amroli Extn.	Power Finance Corpn. Ltd.	Power	198.0	Power	
11	Madhya Pradesh	17.09.2007	Mandla North	Jaiprakash Associate Ltd.	Cement	195.0	Cement	
12	Madhya Pradesh	21.06.1996	Gotitoria E & W	BLA	Private Comm	9.3	Private Comm	Producing
13	Madhya Pradesh	21.11.2008	Thesgora B/Rudrapuri	Kamal Sponge & Revati Cements Ltd.	Iron & Steel	45.0	Iron & Steel	* cements
14	Madhya Pradesh	25.07.2007	Suliyari	APMDC	Govt. Comm	75.0	Govt. Comm	
15	Madhya Pradesh	25.07.2007	Shahpur(W)	NMDC	Iron & Steel	42.0	Iron & Steel	
16	Madhya Pradesh	25.07.2007	Sharpur(E)	NMDC	Iron & Steel	42.0	Iron & Steel	
17	Madhya Pradesh	25.07.2007	Marki Barka	MPMDCL	Govt. Comm	80.0	Govt. Comm	
18	Madhya Pradesh	25.07.2007	Semaria/Piparia	MPMDCL	Govt. Comm	38.6	Govt. Comm	
19	Madhya Pradesh	25.07.2007	Mandla South	MPSMDCCL	Govt. Comm	72.0	Govt. Comm	
20	Madhya Pradesh	25.07.2007	Bicharpur	MPSMCL	Govt. Comm	36.0	Govt. Comm	
21	Madhya Pradesh	26.10.2006	Chhtrasal	PFC	Power	150.0	Power	
22	Madhya Pradesh	29.05.2007	Sail Gogri	Prism Cement Ltd.	Cement	30.4	Cement	
23	Madhya Pradesh	29.05.2007	Rawanvara North	SKS Ispat Ltd.	Iron & Steel	174.1	Iron & Steel	
Madhya Pradesh						3352.4		
1	Maharashtra	02.08.2006	Marki Jari Zamini Adkoli	MSMCL	Govt. Comm	11.0	Govt. Comm	
2	Maharashtra	06.09.2005	Marki Mangli II-IV	Shree Virangana Steels Ltd.,	Iron & Steel	19.0	Iron & Steel	
3	Maharashtra	06.11.2007	Lohara West & Lohara Extn	Adani Power Ltd.	Power	169.8	Power	
4	Maharashtra	08.10.2003	Chinora	Field Mining & Ispat Ltd.,	Iron & Steel	20.0	Iron & Steel	
5	Maharashtra	08.10.2003	Warora (South)	Field Mining & Ispat Ltd.,	Iron & Steel	18.0	Iron & Steel	
6	Maharashtra	10.11.2003	Baranj I-IV, Kiloni, Manora Deep	KPCL	Power	68.3	Power	Producing
7	Maharashtra	13.01.2006	Nirad Melegaon	Gupta Metallics & Power	Iron & Steel	19.5	Iron & Steel	
8	Maharashtra	17.06.2009	Dahegaon	IST Steel & Power, Gujarat Ambuja Cement, Lafarg India Ltd.	Iron & Steel	132.0	Iron & Steel	
9	Maharashtra	17.07.2008	Bhivkunde	Mahagenco	Power	100.0	Power	
10	Maharashtra	20.02.2007	Kosar Dongergaon	Chaman Metallicks Ltd.	Iron & Steel	22.5	Iron & Steel	

Table 9.5: LIST OF COAL BLOCKS ALLOCATED TILL 31/03/2011

Srl. No.	State	Date of Allocation	Name of Block	Name of Allocatedee	Sector	GR while allotting	End Use Project	Remark
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
11	Maharashtra	20.2.2007	Warora West (North)	Bhatia International Ltd	Iron & Steel	10.0	Iron & Steel	
12	Maharashtra	21.11.2008	Gondkhari	Maharashtra Seamless, Dhariwal infrastructure, Kesoram Ind. Ltd.	Iron & Steel	98.7	Iron & Steel	
13	Maharashtra	25.04.2001	Marki Mangli-I	B. S. Ispat Ltd.,	Iron & Steel	34.3	Iron & Steel	Producing
14	Maharashtra	25.07.2007	Warora	MSMDCL	Govt. Comm	73.0	Govt. Comm	
15	Maharashtra	27.11.2003	Bhandak West	Sri Baidyanath Ayurveda Bhawan Ltd.	Power	36.2	Power	
16	Maharashtra	28.03.2005	Belgaon	Sunflag Iron & Steel Co. Ltd.,	Iron & Steel	15.3	Iron & Steel	Producing
17	Maharashtra	29.05.2009	Bander	AMR Iron & Steel, Century Textile, JK Cement	Iron & Steel	126.1	Iron & Steel	
18	Maharashtra	29.05.2009	Khappa Extn.	Sunflag Iron & Steel Co. Ltd., Dalmia Cement Ltd.	Iron & Steel	84.7	Iron & Steel	
19	Maharashtra	29.10.2003	Majra	Gondwana Ispat Ltd.,	Iron & Steel	31.5	Iron & Steel	
Maharashtra						1090.0		
1	Orissa	02.08.2006	Naugaon Telisahi	OMC & APMC Ltd.	Govt. Comm	733.0	Govt. Comm	
2	Orissa	06.02.2006	Mahanadi & Machhakata	MSEB & GSEB	Power	1200.0	Power	
3	Orissa	07.02.2006	Radhikapur E	TSIL & Others	Iron & Steel	115.0	Iron & Steel	
4	Orissa	09.01.2008	Mandakini	Monnet Ispat , Jindal Photo Ltd, Tata Power Ltd	Power	290.5	Power	
5	Orissa	10.11.2005	Talabira II	MCL & NLC & Others	Power	589.0	Power	
6	Orissa	12.11.2003	Jamkhani	Bhusan Ltd.,	Iron & Steel	80.0	Iron & Steel	
7	Orissa	12.12.2003	Utkal-D	Orissa Mining Cor. Ltd.,	Govt. Comm	153.3	Govt. Comm	
8	Orissa	13.01.2006	Patrapara	Bhushan Steel & Strips& others	Iron & Steel	1042.0	Iron & Steel	
9	Orissa	13.01.2006	Bijhahan	Bhusan Ltd.,	Iron & Steel	130.0	Iron & Steel	
10	Orissa	13.09.2006	Dip side of Meenakshi	Power Finance Corpn. Ltd.	Power	350.0	Power	
11	Orissa	13.09.2006	Meenakshi	Power Finance Corpn. Ltd.	Power	285.0	Power	
12	Orissa	13.09.2006	Meenakshi-B	Power Finance Corpn. Ltd.	Power	250.0	Power	
13	Orissa	16.08.1999	Utkal B-2	Monnet Ispat & Energy Ltd.,	Iron & Steel	106.0	Iron & Steel	
14	Orissa	17.01.2008	Rampia & Dipside of Rampia	Sterlite Energy, GMR Energy, Arcellor Mittal Energy, Lanco group Ltd, Nav bharat Power Reliance Energy Ltd.	Power	645.2	Power	
15	Orissa	21.06.2010	Bankhui	Sakshigopal Integrated Power Company Ltd.	Power	800.0	Power	
16	Orissa	25.01.2006	Dulanga	NTPC Ltd.,	Power	260.0	Power	
17	Orissa	25.02.1994	Talabira-I	Hindalco	Power	22.6	Power	
18	Orissa	25.04.2006	Radhikapur W	Rungta & Others	Iron & Steel	210.0	Iron & Steel	
19	Orissa	25.07.2007	Manoharpur	OPGCL	Power	181.7	Power	
20	Orissa	25.07.2007	Dip side of Monoharpur-II	OPGCL	Power	350.0	Power	
21	Orissa	25.07.2007	Mandakini-B	ASMDCL & MMDCL, TNEB, OMC	Power	1200.0	Power	
22	Orissa	25.07.2007	Baitarani West	GPCL, KSEB, OHPL	Power	602.0	Power	
23	Orissa	25.07.2007	Chendipada & Chendipada-II	UPRVNL, CMDC, MPGCL,	Power	1589.0	Power	
24	Orissa	25.07.2007	Naini	GMDC & PIPDICL	Power	500.0	Power	
25	Orissa	27.02.2009	Ramchandi Prom.	JSPL	CTL	1500.0	CTL	
26	Orissa	27.02.2009	North of Arkhapal	Strategic Energy Tech. Ltd.	CTL	1500.0	CTL	
27	Orissa	27.08.2004	Utkal-E	National Aluminium Co.Ltd.,	Power	194.0	Power	
28	Orissa	29.05.1998	Utkal C	Utkal Coal Company	Power	208.8	Power	
29	Orissa	29.09.2003	Utkal B-1	Jindal Steel & Power Ltd.,	Iron & Steel	228.4	Iron & Steel	
30	Orissa	29.11.2005	Utkal A	MCL & Others	Iron & Steel	951.7	Iron & Steel	
Orissa						16267.1		

Table 9.5: LIST OF COAL BLOCKS ALLOCATED TILL 31/03/2011

Srl. No.	State	Date of Allocation	Name of Block	Name of Allocatedee	Sector	GR while allotting	End Use Project	Remark
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	West Bengal	02.08.2006	Kulti	WBMTDCL	Govt. Comm	210.0	Govt. Comm	
2	West Bengal	02.08.2006	Ichapur	WBMTDCL	Govt. Comm	335.0	Govt. Comm	
3	West Bengal	03.03.2005	Barjora (North), K- Joydev	DVC	Power	281.6	Power	Barjora is producing
4	West Bengal	03.07.2009	Andal East	Bhusan Steel, Jai Balaji, Rashmi Cement	Iron & Steel	700.0	Iron & Steel	
5	West Bengal	06.10.2009	Moira Madhujore	Ramsarup Lohh Udyog, Adhunik Corp., Uttam Glova Steels Ltd., Howrah Gasses Ltd., Vikash Metal & Power Ltd., Acc Ltd.	Iron & Steel	685.4	Iron & Steel	
6	West Bengal	06.12.2007	Ardhagram	Sova Ispat, Jai Balaji Sponge	Iron & Steel	243.0	Iron & Steel	
7	West Bengal	10.07.2009	Gourangdih ABC	Himachal EMTA Power & JSW Steel Ltd.	Power	131.7	Power	
8	West Bengal	10.08.1993	Sarisatoli	CESC	Power	140.5	Power	
9	West Bengal	14.01.2005	Trans Damodar	WBMDCL Ltd.,	Govt. Comm	103.2	Govt. Comm	
10	West Bengal	14.07.1995	Tara (East)	WBSEB	Power	84.5	Power	Producing
11	West Bengal	17.04.1996	Tara (West)	WBSEB	Power	125.7	Power	Producing
12	West Bengal	20.02.2007	Bihari Nath	Bankura DRI Mining Manufacturing Pvt. Ltd.	Iron & Steel	95.2	Iron & Steel	
13	West Bengal	23.06.2003	G.chak,G.chak Badulia	WBPDCCL	Power	14.0	Power	
14	West Bengal	23.06.2003	Barjora	WBPDCCL	Power	8.0	Power	Producing
15	West Bengal	25.07.2007	Jaganathpur-B	WBMDCT	Govt. Comm	176.0	Govt. Comm	
16	West Bengal	25.07.2007	Jaganathpur A	WBMDCL	Govt. Comm	273.0	Govt. Comm	
17	West Bengal	27.02.2009	East of Damagoria	WBPDCCL	Power	337.4	Power	
18	West Bengal	27.12.2007	Sitarampur	WBMTDCL	Govt. Comm	210.0	Govt. Comm	
West Bengal						4154.1		
All India						49258.0		

Table - 9.6 : LIGNITE BLOCKS ALLOCATED TILL 31/03/2011

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	Lease granted in July, 1996	Vastan	GIPCL	1	Pub	40.0	Power	Producing
2	Gujarat	27.07.2000	Khadsaliya	GHCL	1	Pvt	20.0	Power	Producing
3	Gujarat	05.12.2001	Tadkeswar	GMDC	1	Pub	40.0	Commercial	Producing
4	Gujarat	Lease granted on 16/05/2001	Mata na Madh	GMDC	1	Pub	34.0	Commercial	Producing
5	Gujarat	Lease granted on 21/07/1973	Panandhro	GMDC	1	Pub	98.0	Commercial	Producing
6	Gujarat	05.12.2001	Rajparidi /G-19 Extn (Amod)	GMDC	2	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	
9	Gujarat	06.09.2005	Khadsaliya-II & Surka III	GIPCL	2	Pub	300.0	Power	
10	Gujarat	5.12.2001	Surkha (North), Bhavnagar	GMDC	1	Pub	69.6	Commercial	
	Gujarat		Total		12		1045.4		
1	Rajasthan	02.01.1994	Giral	RSSML	1	Pub	101.9	Commercial	Producing
2	Rajasthan	Lease granted on 26.07.2002	Matasukh	RSMML	1	Pub	16.9	Commercial	Producing
3	Rajasthan	14.07.2003	Mokhala	RSMML	1	Pub	36.1	Power	
4	Rajasthan	28.08.2004	Soneri	RSMML	1	Pub	42.6	Power	
5	Rajasthan	01.07.2005	Gurha(W)	RSMML	1	Pub	37.5	Commercial	
6	Rajasthan	01.07.2005	Gurha(E)	V.S Lig	1	Pvt	44.7	Power	Producing
7	Rajasthan	13.11.2006	Kapurdi & Jalipa	RSMML	2	Pub	450.9	Power	
8	Rajasthan	13.11.2006	Shivkar-Kurla & Sachcha Sauda	RSMML	2	Pub	140.7	Commercial	
9	Rajasthan	07.02.2007	Mondal Charan	Indure Pvt.Ltd	1	Pvt	17.7	Power	
10	Rajasthan	07.02.2007	Merta Road	NSL Power	1	Pvt	23.9	Power	
11	Rajasthan	07.02.2007	Indawar	Indawar Enterprise Ltd	1	Pvt	12.0	Power	
12	Rajasthan	07.02.2007	Kapriion-Ki-Dhani	DCM Shriram	1	Pvt	17.0	Power	
13	Rajasthan	07.02.2007	Nimbri Chandrabadan	Bhimam Cement Ltd	1	Pvt	9.7	Power	
			Total		15		951.4		
			Grand Total		27		1996.8		

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

Section-X

World Coal Review

1. Reserve

World coal reserve is dispersedly located over all the continents. However, some of the regions are more blessed with coal reserves e.g USA, Russia, Australia and China. These four regions together account for almost 68% of total world coal reserve. India possesses 7% of World proved coal reserve. The table given below will show ten top countries in terms of World Coal Reserve. This table will also give continent-wise share of World coal reserve.

World Coal Reserve (Mt)

Country	Coal Reserve (in MT)	Share of World Coal Reserve
USA	237295	27.6%
Russia	157010	18.2%
China	114500	13.3%
Australia	76400	8.9%
India	60600	7.0%
Germany	40699	4.7%
Ukraine	33873	3.9%
Kazakhstan	33600	3.9%
South Africa	30156	3.5%
Columbia	6746	0.8%
OECD*	378529	44.0%
Non-OECD	482409	56.0%
World	860938	-
Europe & Erstwhile Russia	304604	35.4%
Asia Pacific	265843	30.9%
North America	245088	28.5%
Middle East & Africa	32895	3.8%
South & Central America	12508	1.4%

Source: International Energy Agency

* OECD:-Organisation of Economic Co-operation & Development

2. Production

World coal production increases in the year 2010 following last few years' trend. Total world coal production is 7077 Mt, a 5.86% increase (or 392 Mt) over the year 2009 (6685 Mt.). Among the major producing countries, production increased

substantially in United States, China, Indonesia & Australia whereas there is a marginal increase in production of Canada, Columbia, Bulgaria, Poland, Germany and Czech. Republic. There is sharp decline in production of Turkey and Greece whereas marginal decrease in case of Romania.

Hard Coal:

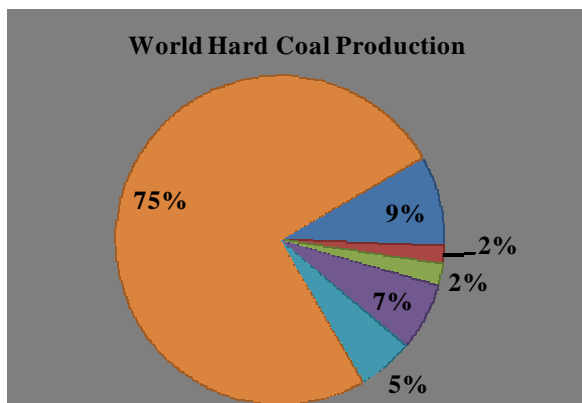
During last three decades the share of OECD countries in world hard coal production continuously declined from 50% (in the year 1973) through 40% (in 1990) to about 31% in the year 2010 (in terms of Mill. Tonnes Oil Equivalent).

Total hard coal production in the World in the year is about **4641 MT**. (In 2009, hard coal production was 4352 MT). China, largest hard coal producer (55% of world hard coal production), increased coal production by 9.22% over past year. India remains second largest hard coal producer with 10.7% share of production. Third largest producer USA had 1.38% decrease in production over last year. Overall hard coal production increased by 6.64% over 2009. Table given below will depict coal production of 2009 and 2010 for 10 largest hard coal producing countries.

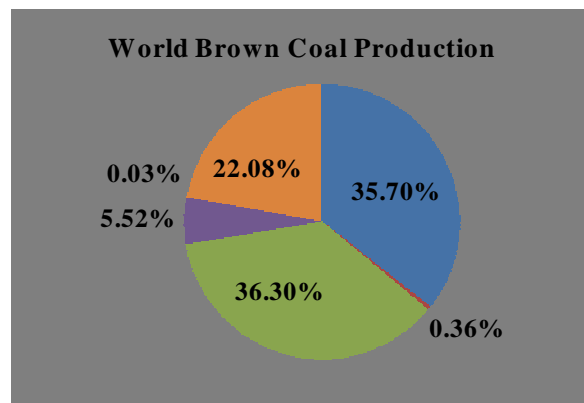
Major Hard Coal Producers (Mt)

Country	2010e	2009	Change (in %)
People's Republic of China	2564	2347	9.22
India	497	488	1.82
United States	404	410	-1.38
South Africa	252	248	1.65
Russian Federation	176	147	19.79
Indonesia	171	148	15.37
Australia	168	164	2.45
Kazakhstan	93	85	9.86
Colombia	73	72	2.12
Poland	64	69	-6.44
World	4641	4352	6.64
Continent	2010e	Share in World	
Asia Pacific	3483	75.06%	
N. America	410	8.83%	
Soviet Union	305	6.58%	
Africa & Middle East	257	5.53%	
Europe South & Central America	102	2.21%	
	83	1.79%	

Source: International Energy Agency



Note: Chart Legend is in corresponding table



Note: Chart Legend is in corresponding table

Brown Coal:

World brown coal production remains almost same as last year with a marginal decline (0.42%). United states remained the top producer (with 32%) share of world brown coal production) followed by Germany (11%) and Indonesia(11 %). India's brown coal production was 33 MT almost same a last year (34 MT).

Major Brown Coal Producers (Mt)

Country	2010e	2009	Change (in %)
United States	509	516	-1.38
Germany	169	170	-0.27
Indonesia	163	141	15.37
Australia	100	109	-8.04
Russian Federation	76	70	8.65
Turkey	69	77	-10.00
Greece	57	65	-12.90
Poland	57	57	-1.05
Czech Republic	44	45	-3.45
Serbia	37	38	-2.99
World	1545	1552	-0.42
Continent	2010e	Share in World	
Europe	561	36.30%	
N. America	552	35.20%	
Asia Pacific	341	22.08%	
Soviet Union	85	8.52%	
South & C. America	6	0.36%	
Africa and Middle East	1	0.03%	

Source: International Energy Agency

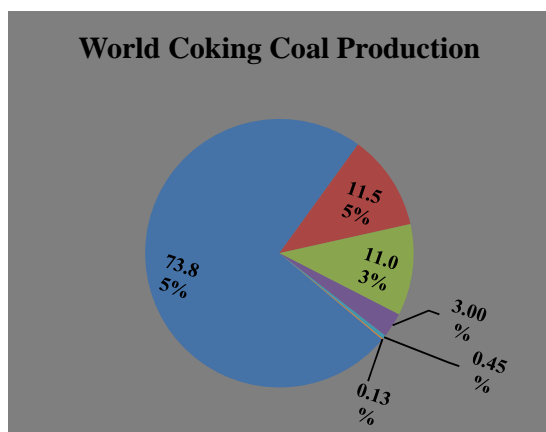
Coking Coal

In 2010, world coking coal production observed almost 14% jump compared to last year. China remained highest coal producer with 51% share followed by Australia and Russia with 17% and 8% shares respectively. India stands at the fifth position in coking coal production with almost same level of production (35 MT) in 2009.

Major Coking Coal Producers (Mt)

Country	2010e	2009	Change (in %)
China	455	416	9.22
Australia	152	130	17.04
Russian Federation	72	60	19.79
United States	69	47	47.44
India	35	35	1.82
Canada	28	23	22.51
Ukraine	19	19	-0.97
Kazakhstan	12	11	9.86
Poland	12	9	36.51
Mongolia	11	5	133.42
World	891	782	13.99
Continent	2010e	Share in World	
Asia Pacific	658	73.85	
Soviet Union	103	11.55	
N. America	98	11.03	
Europe	27	3.00	
Africa & Middle East	4	0.45	
South & C. America	1	0.13	

Source: International Energy Agency



3. Coal Trade

Coking Coal

Significant facts in world-wide coking coal trade during the year 2010 are-

- (1) Both import and export of coking coal showed commendable growth rate of above 20%.
- (2) Australia remained major exporters for coking coal.
- (3) Japan, China, India and Korea accounted for 64% of coking coal import.

Export: As can be seen from the following table, total world coking coal export increased from 212 Mt (2009) to 271 Mt (2010), thus attained growth of 28%. Like previous year, Australia and United states remained in the top positions in terms of coking coal export. Other than Czech Republic, all coking coal exporting countries have increased quantity of export compared to last year. India exports a small quantity (0.227 MT) coking coal to neighboring countries.

Countries	2010e	2009	Change (in %)
Australia	154.6	130.0	18.95
United States	50.9	33.8	50.60
Canada	27.5	21.5	27.78
Russia	13.7	13.3	3.07
Czech	3.8	4.0	-4.90
Poland	1.8	1.7	5.22
South Africa	1.4	1.4	3.02
Ukraine	0.5	0.5	14.79
Kazakhstan	0.3	0.3	12.71
France	0.1	0.1	44.16
World	271	212	28.07
OECD	241 (89%)	189 (89%)	27.86
Non-OECD	30 (11%)	23 (11%)	29.83

Import: During 2010, Japan continues to be the largest importer of coking coal in the world with 10% decrease in coal import over last year. The second largest importer is China with big jump in coking coal import (41%). India remained in the third position with 23% increase in total coking coal import

Countries	2010e	2009	Change (in %)
Japan	58	53	9.84
China	48	34	40.62
India	30	25	23.05
Korea	28	21	34.11
Brazil	12	9	36.60
Ukraine	11	5	97.86
Germany	8	6	20.86
Turkey	7	5	32.01
UK	6	5	20.74
Italy	5	3	58.15
World	256	203	26.28
OECD	142(56%)	117(58%)	21.26
Non-OECD	114(44%)	85(42%)	33.18

Source: International Energy Agency

Steam/ Non Coking Coal (Anthracite & Other Bituminous)

Significant facts in world-wide steam coal trade are-

- (1) Growth rate of import and export of non-coking coal showed average growth rate of 11% and 6% respectively.
- (2) Indonesia remained major exporters of non-coking coal.
- (3) Japan, China, India and Korea accounted for 52% of non-coking coal import.

Export: In 2010, non-coking coal export has experienced 28% hike world over and Indonesia, Australia and Russia occupied leading three positions. Most of the countries other than Vietnam & Czech Republic have positive growth in non-coking coal export. India exports about 1.846 MT non-coking coal. Export share of OECD countries remained almost at the same level as in 2009.

Major Steam coal Exporters			
Countries	2010e	2009	Change (in %)
Indonesia	160	147	7.74
Australia	143	137	4.58
Russia	95	92	2.98
Colombia	68	67	2.53
South Africa	68	66	2.96
Kazakhstan	32	29	11.21
Vietnam	22	25	-11.64
PR of China	19	22	-11.44
United States	16	14	13.58
Poland	8	7	18.15
World	677(28%)	648(27%)	6.22
OECD	187(72%)	177(73%)	5.35
Non-OECD	490	471	4.07

Source: International Energy Agency

Import: In 2010, total non-coking coal import hiked by 11.13%. Japan, China and Korea occupied first three positions in terms of non-coking coal import with share of 16.55%, 16.50% and 11.01% respectively. India occupied fourth position with quantity of non-coking coal import of around 60 MT (7.67% share). OECD share in World coal import increased from 42% in 2009 to 46% in 2010.

Major Coking Coal Importers (Mt)			
Countries	2010e	2009	Change (in %)
Japan	129	112	15.62
China	129	91	40.62
Korea	86	79	8.93
India	60	49	23.05
Taipei	58	49	19.98
Germany	38	32	18.44
UK	20	33	-38.53
Turkey	20	15	32.00
Russia	19	24	-18.77
Malayasia	19	17	12.43
World	779	701	11.13
OECD	421(54%)	410 (58%)	2.68
Non-OECD	359 (46%)	291(42%)	23.37

Source: International Energy Agency

4. Prices

As per IEA publication "Coal Information 2011", steam coal price did not have much change in 2010 compared to 2009. Like coking coal price, steam coal price also remained almost static. Import prices are expressed in terms of CIF value which includes cost, insurance and freight.

Coking Coal Import Prices			
Importing Countries	2010	2009	Change (in %)
EU	194.02	187.29	3.59
Japan	151.45	163.82	-7.55

Steam Coal Import Prices			
Importing Countries	2010	2009	Change (in %)
EU	104.12	100.28	3.83
Japan	110.40	111.12	-0.65

Source: International Energy Agency

Chart given below will show the nature of import price change over the year for both coking and non-coking coal.

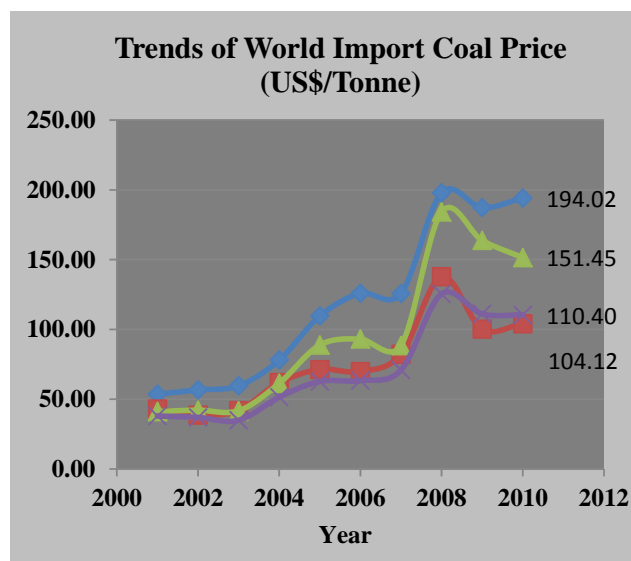


Table 10.1 : WORLD PROVED COAL RESERVES AT THE END OF 2010 (MILLION TONNES)

Million tonnes	Anthracite and bituminous	Sub-bituminous and Lignite	Total	Share of Total	R/P ratio	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)
USA	108501	128794	237295	27.6%	241	* More than 500 years
Canada	3474	3108	6582	0.8%	97	
Mexico	860	351	1211	0.1%	130	
North America	112835	132253	245088	28.5%	231	Notes:
Brazil	-	4559	4559	0.5%	*	Proved reserves of coal -
Colombia	6366	380	6746	0.8%	91	Generally taken to be those
Venezuela	479	-	479	0.1%	120	quantities that geological and
Other S. & Cent. America	45	679	724	0.1%	*	engineering information
S. & Cent. America	6890	5618	12508	1.4%	148	indicates with reasonable
Bulgaria	2	2364	2366	0.3%	82	certainty can be recovered in
Czech Republic	192	908	1100	0.1%	22	the future from known
Germany	99	40600	40699	4.7%	223	deposits under existing
Greece	-	3020	3020	0.4%	44	economic and operating
Hungary	13	1647	1660	0.2%	183	conditions.
Kazakhstan	21500	12100	33600	3.9%	303	Reserves/Production (R/P)
Poland	4338	1371	5709	0.7%	43	ratio - If 'the reserves
Romania	10	281	291	0.0%	9	remaining at the end of the
Russian Federation	49088	107922	157010	18.2%	495	year are divided by the
Spain	200	330	530	0.1%	73	production in that year, the
Turkey	529	1814	2343	0.3%	27	result is the length of time that
Ukraine	15351	18522	33873	3.9%	462	those remaining reserves
United Kingdom	228	-	228	0.0%	13	would last if production were
Other Europe & Eurasia	1440	20735	22175	2.6%	317	to continue at that level.
Europe & Eurasia	92990	211614	304604	35.4%	257	
South Africa	30156	-	30156	3.5%	119	
Zimbabwe	502	-	502	0.1%	301	
Other Africa	860	174	1034	0.1%	*	
Middle East	1203	-	1203	0.1%	*	
Middle East & Africa	32721	174	32895	3.8%	137	
Australia	37100	39300	76400	8.9%	180	
China	62200	52300	114500	13.3%	35	
India	56100	4500	60600	7.0%	106	
Indonesia	1520	4009	5529	0.6%	18	
Japan	340	10	350	0.0%	382	
New Zealand	33	538	571	0.1%	107	Source of reserves data -
North Korea	300	300	600	0.1%	16	World Energy Council & BP
Pakistan	-	2070	2070	0.2%	*	Statistical Review
South Korea	-	126	126	0.0%	60	
Thailand	-	1239	1239	0.1%	69	
Vietnam	150	-	150	0.0%	3	
Other Asia Pacific	1582	2125	3707	0.4%	114	
Asia Pacific	159326	106517	265843	30.9%	57	
WORLD	404762	456176	860938	100.0%	118	
of which: OECD	155926	222603	378529	44.00%	184	
Non-OECD	248836	233573	482409	56.00%	92	
European Union	5101	51047	56148	6.50%	105	
Former Soviet Union	86725	141309	228034	26.50%	452	

Table 10.2: Trends of Coal Production By Major Coal Producing Countries Last Ten Years (Mn Tonnes Oil Equivalent)

Countries	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Change over 2009	2010 Share of Total
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
USA	590.3	570.1	553.6	572.4	580.2	595.1	587.7	596.7	540.9	552.2	2.1%	14.8%
Canada	36.6	34.2	31.7	33.8	33.5	33.9	36.0	35.6	32.5	34.9	7.4%	0.9%
Mexico	5.3	5.3	4.6	4.7	5.2	5.5	6.0	5.5	5.1	4.5	-11.8%	0.1%
Total North America	632.2	609.6	589.9	610.9	618.9	634.5	629.7	637.8	578.5	591.6	2.3%	15.9%
Brazil	2.1	1.9	1.8	2.0	2.4	2.2	2.3	2.5	1.9	2.1	10.5%	0.1%
Colombia	28.5	25.7	32.5	34.9	38.4	42.6	45.4	47.8	47.3	48.3	2.1%	1.3%
Venezuela	5.6	5.9	5.1	5.9	5.3	5.4	5.6	4.5	2.7	2.9	7.4%	0.1%
Other S. & Cent. America	0.5	0.4	0.5	0.2	0.3	0.6	0.3	0.4	0.5	0.5	0.0%	*
Total S. & Cent. America	36.7	33.9	39.9	43.0	46.4	50.8	53.6	55.2	52.4	53.8	2.7%	1.4%
Bulgaria	4.4	4.4	4.6	4.5	4.1	4.2	4.7	4.8	4.6	4.8	4.3%	0.1%
Czech Republic	25.4	24.3	24.2	23.5	23.5	23.7	23.3	21.1	19.5	19.4	-0.5%	0.5%
France	1.5	1.1	1.3	0.4	0.2	0.2	0.2	0.1	-	-	-	-
Germany	54.1	55.0	54.1	54.7	53.2	50.3	51.5	47.7	44.4	43.7	-1.6%	1.2%
Greece	8.5	9.1	9.0	9.1	9.0	8.3	8.6	8.3	8.4	8.8	4.8%	0.2%
Hungary	2.9	2.7	2.8	2.4	2.0	2.1	2.0	1.9	1.9	1.9	0.0%	0.1%
Kazakhstan	40.7	37.8	43.3	44.4	44.2	49.1	50.0	56.8	51.5	56.2	9.1%	1.5%
Poland	71.7	71.3	71.4	70.5	68.7	67.0	62.3	60.5	56.4	55.5	-1.6%	1.5%
Romania	7.1	6.6	7.0	6.7	6.6	6.5	6.7	6.7	6.4	5.8	-9.4%	0.2%
Russian Federation	122.6	117.3	127.1	131.7	139.2	145.1	148.0	153.4	142.1	148.8	4.7%	4.0%
Spain	7.6	7.2	6.8	6.7	6.4	6.2	6.0	3.7	3.5	3.3	-5.7%	0.1%
Turkey	14.2	11.5	10.5	10.5	12.8	13.4	15.8	17.2	17.4	17.4	-	0.5%
Ukraine	43.5	42.8	41.6	42.2	41.0	41.7	39.9	41.3	38.4	38.1	-0.8%	1.0%
United Kingdom	19.4	18.2	17.2	15.3	12.5	11.3	10.3	11.0	10.9	11.0	0.9%	0.3%
Other Europe & Eurasia	14.4	15.3	15.8	15.6	14.7	15.7	16.7	17.3	16.9	16.1	-4.7%	0.4%
Total Europe & Eurasia	438.0	424.6	436.7	438.2	438.1	444.8	446.0	451.8	422.3	430.8	2.0%	11.5%
Total Middle East	0.7	0.8	0.7	0.8	0.8	0.8	1.0	1.0	1.0	1.0	-	*
South Africa	126.1	124.1	134.1	137.2	137.7	138.0	139.6	142.4	141.2	143.0	1.3%	3.8%
Zimbabwe	2.9	2.5	1.8	2.4	2.2	1.4	1.3	1	1.1	1.1	-	*
Other Africa	1.2	1.3	1.5	1.2	1.1	1.0	0.9	0.9	0.8	0.8	-	*
Total Africa	130.2	127.9	137.4	140.8	141.0	140.4	141.8	144.3	143.1	144.9	1.3%	3.8%
Australia	180.2	184.3	189.9	198.5	205.8	210.3	217.2	220.7	228.8	235.4	2.9%	6.3%
China	809.5	853.8	1013	1174	1302	1406.4	1501.1	1557.1	1652.1	1800.4	9.0%	48.2%
India	133.6	138.5	144.4	155.7	162.1	170.2	181.0	195.6	210.8	216.1	2.5%	5.8%
Indonesia	56.9	63.5	70.3	81.4	93.9	119.2	133.4	147.8	157.6	188.1	19.4%	5.0%
Japan	1.8	0.8	0.7	0.7	0.6	0.7	0.8	0.7	0.7	0.5	-28.6%	0.0%
New Zealand	2.4	2.7	3.2	3.2	3.2	3.5	3.0	3.0	2.8	3.3	17.9%	0.1%
Pakistan	1.5	1.6	1.5	1.5	1.6	1.7	1.6	1.8	1.6	1.5	-6.3%	0.0%
South Korea	1.7	1.5	1.5	1.4	1.3	1.3	1.3	1.2	1.1	0.9	-18.2%	0.0%
Thailand	5.6	5.7	5.3	5.6	5.8	5.3	5.1	5.0	5.0	5	0.0%	0.1%
Vietnam	7.5	9.2	10.8	14.7	18.3	21.8	22.4	23.0	25.2	24.7	-2.0%	0.7%
Other Asia Pacific	20.1	19.6	20.6	22.4	24.7	25.1	23.3	24.3	29.2	33.4	14.4%	0.9%
Total Asia Pacific	1220.8	1281.2	1461.6	1659.2	1819.5	1965.5	2090.2	2180.2	2314.9	2509.3	8.4%	67.2%
TOTAL WORLD	2458.6	2478.0	2666.2	2892.9	3064.7	3236.8	3362.3	3470.3	3512.2	3731.4	6.2%	100.0%
of which : OECD	1027.6	1003.5	987.3	1012.0	1021.0	1036.6	1036.6	1039.3	978.2	996.0	1.8%	26.7%
Non-OECD	1431.3	1474.2	1678.8	1881.0	2043.4	2200.5	2325.8	2431.1	2533.7	2735.5	8.0%	73.3%
European Union	205.1	202.5	207.7	195.8	188.1	181.5	177.4	167.7	157.7	156.0	-1.1%	4.2%
Former Soviet Union	207.8	198.9	212.8	219.4	225.5	237.0	239.0	252.9	233.2	244.4	4.8%	6.5%

Source: BP Statistical Review

Table 10.3: Coal Consumption in Major Coal Consuming Countries of the World during last Ten years (mtoe)

Countries	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Change over 2009	2010 share of total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
US	552.2	552.0	562.5	566.1	574.2	564.7	573.3	564.1	496.2	524.6	5.7%	14.8%
Canada	34	31.6	33.4	29.9	31.7	31	32.3	28.9	23.3	23.4	0.4%	0.7%
Mexico	6.8	7.6	8.6	7	9.1	9.4	9.1	6.9	8.6	8.4	-2.3%	0.2%
North America	593.0	591.2	604.5	603.0	615.0	605.1	614.7	599.9	528.1	556.4	5.4%	15.6%
Argentina	0.6	0.5	0.7	0.8	0.9	0.3	0.4	1.1	1.2	1.2	-	0.0%
Brazil	12.2	11.5	11.8	12.8	12.7	12.5	13.4	13.5	11.7	12.4	6.0%	0.3%
Chile	2.3	2.4	2.3	2.6	2.6	3.2	3.8	4.1	3.7	3.7	0.0%	0.1%
Colombia	2.7	2.2	2.4	2.0	2.7	2.4	2.4	2.8	3.7	3.8	2.7%	0.1%
Equador	-	-	-	-	-	-	-	-	-	-	-	-
Peru	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.0%	0.0%
Trinidad & Tobago	-	-	-	-	-	-	-	-	-	-	-	0.0%
Venezuela	0.0	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0	-	0.0%
Other S. & Cent. America	0.7	1.0	2.1	1.9	1.8	2.1	2.1	2.2	2.0	2.1	5.0%	0.1%
S. & Cent. America	18.9	18.0	19.7	20.6	21.2	20.9	22.6	24.2	22.8	23.7	3.9%	0.7%
Austria	3.1	3.0	3.3	3.3	3.1	3.1	2.9	2.7	2.2	2.0	-9.1%	0.1%
Azerbaijan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-	0.0%
Belarus	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-	0.0%
Belgium & Luxembourg	7.6	6.7	6.4	6.4	6.1	6.1	5.5	4.8	4.6	4.9	6.5%	0.1%
Bulgaria	6.9	6.5	6.9	6.9	6.9	7.1	7.8	7.5	6.3	6.6	4.8%	0.2%
Czech Republic	21.2	20.6	20.5	20.5	19.8	19.4	19.3	17.4	16.2	16.0	-1.2%	0.4%
Denmark	4.2	4.2	4.6	4.6	3.7	5.6	4.78	4.1	4.0	3.8	-5.0%	0.1%
Finland	4.0	4.4	5.3	5.3	3.1	5.2	4.6	3.4	3.7	4.6	24.3%	0.1%
France	12.1	12.4	12.8	12.8	13.3	12.1	12.3	11.9	9.9	12.1	22.2%	0.3%
Germany	85.0	84.6	85.4	85.4	82.1	83.5	85.7	80.1	71.7	76.5	6.7%	2.2%
Greece	9.3	9.8	9.0	9.0	8.8	8.1	8.5	8.1	8.1	8.5	4.9%	0.2%
Hungary	3.4	3.1	3.1	3.1	2.7	2.9	2.9	2.8	2.5	2.6	4.0%	0.1%
Republic of Ireland	1.9	1.8	1.8	1.8	1.8	1.6	1.5	1.4	1.3	1.4	7.7%	0.0%
Italy	13.7	14.2	17.1	17.1	17	17.2	17.2	16.7	13.1	13.7	4.6%	0.4%
Kazakhstan	22.5	22.8	26.5	26.5	27.2	28.1	30.8	34.0	31.7	36.1	13.9%	1.0%
Lithuania	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	100.0%	0.0%
Netherlands	8.5	8.9	9.1	9.1	8.7	8.5	9	8.5	7.9	7.9	0.0%	0.2%
Norway	0.6	0.5	0.6	0.6	0.5	0.4	0.4	0.5	0.3	0.5	66.7%	0.0%
Poland	58.0	56.7	57.3	57.3	55.7	58	57.9	56.0	51.9	54.0	4.0%	1.5%
Portugal	3.7	4.1	3.7	3.7	3.8	3.8	3.3	3.2	3.3	3.4	3.0%	0.1%
Romania	7.2	7.6	7.4	7.4	7.6	8.5	7.4	7.4	6.6	6.2	-6.1%	0.2%
Russian Federation	102.4	103.0	99.5	99.5	94.2	96.7	93.5	100.4	91.9	93.8	2.1%	2.6%
Slovakia	4.1	4.0	4.1	4.1	3.9	3.8	3.8	3.7	3.5	2.7	-22.9%	0.1%
Spain	19.5	21.9	21.0	21.0	21.2	18.5	20.2	15.6	10.5	8.3	-21.0%	0.2%
Sweden	2.0	2.2	2.3	2.3	2.2	2.3	2.2	2.0	1.6	2.0	25.0%	0.1%
Switzerland	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0%	0.0%
Turkey	21.8	21.2	23.0	23.0	26.1	28.8	31.0	31.3	32.0	34.4	7.5%	1.0%
Turkmenistan	-	-	-	-	-	-	-	-	-	-	-	-
Ukraine	39.4	38.3	39.1	39.1	37.5	39.8	39.7	40.3	35.0	36.4	4.0%	1.0%
United Kingdom	38.9	35.7	36.6	36.6	37.4	40.9	38.4	35.6	29.6	31.2	5.4%	0.9%
Uzbekistan	1.1	1.0	1.2	1.2	1.1	1.1	1.4	1.4	1.4	1.3	-7.1%	0.0%
Other Europe & Eurasia	16.6	18.8	20.2	20.2	18.0	15.8	16	16.8	15.2	15.7	3.3%	0.4%
Europe & Eurasia	519.0	518.3	528.2	528.2	513.9	527.3	528.3	517.9	466.2	486.9	4.4%	13.7%

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Table 10.3: Coal Consumption in Major Coal Consuming Countries of the World during last Ten years (mtoe)

Countries	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Change over 2009	2010 share of total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Iran	1.1	1.1	1.1	1.0	1.2	1.2	1.3	0.9	1.1	1.1	0.0%	0.0%
Israel	7.2	7.6	7.9	8.0	7.9	7.8	8.0	7.9	7.7	7.7	0.0%	0.2%
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Other Middle East	-	-	-	-	-	-	-	-	-	-	-	-
Middle East	8.3	8.7	9.0	9.0	9.1	9.0	9.3	8.8	8.8	8.8	0.0%	0.2%
Algeria	0.6	0.9	0.8	0.8	0.6	0.7	0.7	0.6	0.2	0.3	50.0%	0.0%
Egypt	1.2	1.3	1.4	1.3	1.3	1.2	1.2	1.2	0.6	0.7	16.7%	0.0%
South Africa	73.4	75.9	81.4	85.4	82.9	84	85.1	84.7	87.7	88.7	1.1%	2.5%
Other Africa	7.3	7.2	6.4	7.1	7.3	6.7	6	6.2	5.5	5.7	3.6%	0.2%
Africa	82.5	85.3	90.0	94.6	92.1	92.6	93.0	92.7	94.0	95.4	1.5%	2.7%
Australia	48.2	51	49.8	52.7	53.6	55.6	54.2	51.8	51.7	43.4	-16.1%	1.2%
Bangladesh	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.6	0.4	0.5	25.0%	0.0%
China	751.9	794.9	936.3	1084.3	1218.7	1343.9	1438.4	1479.3	1556.8	1713.5	10.1%	48.2%
China Hong Kong SAR	4.9	5.4	6.6	6.6	6.7	7	7.5	7	7.6	6.3	-17.1%	0.2%
India	145.2	151.8	156.8	172.3	184.4	195.4	210.3	230.4	250.6	277.6	10.8%	7.8%
Indonesia	16.8	18	24.2	22.2	25.4	30.1	37.8	30.1	34.6	39.4	13.9%	1.1%
Japan	103	106.6	112.2	120.8	121.3	119.1	125.3	128.7	108.8	123.7	13.7%	3.5%
Malaysia	2.6	3.6	4.2	5.7	6.3	7.3	7.1	5.0	4.0	3.4	-15.0%	0.1%
New Zealand	1.3	1.3	1.9	2	2.2	2.2	1.6	2.0	1.6	1.0	-37.5%	0.0%
Pakistan	2.1	2.4	2.9	3.8	4.1	4.2	5.1	5.3	4.7	4.6	-2.1%	0.1%
Philippines	4.5	4.7	4.7	5	5.7	5.5	5.9	7	6.7	7.7	14.9%	0.2%
Singapore	-	-	-	-	-	-	-	-	-	-	-	-
South Korea	45.7	49.1	51.1	53.1	54.8	54.8	59.7	66.1	68.6	76.0	10.8%	2.1%
Taiwan	30.6	32.7	35.1	36.6	38.1	39.6	41.8	40.2	38.7	40.3	4.1%	1.1%
Thailand	8.8	9.2	9.4	10.4	11.2	12.4	14.1	15.3	14.5	14.8	2.1%	0.4%
Vietnam	5	5.3	5.5	8.2	8	9.5	10.1	10	14.0	13.7	-2.1%	0.4%
Other Asia Pacific	19.5	18.6	18.9	19.2	20.7	21.4	18	19.7	22.1	18.9	-14.5%	0.5%
Asia Pacific	1190.5	1254.6	1420.0	1603.3	1761.6	1908.5	2037.3	2098.5	2185.4	2384.8	9.1%	67.1%
WORLD	2412.2	2476.1	2671.4	2858.7	3012.9	3163.4	3305.2	3342.0	3305.3	3556.0	7.6%	100.0%
of which : OECD	1124.9	1130.7	1161.4	1170.5	1179.7	1179.8	1200.2	1171.5	1049.5	1103.6	5.2%	31.0%
Non-OECD	1287.5	1345.9	1515.9	1687.9	1833.2	1984.7	2105.4	2170.2	2256.1	2452.2	8.7%	69.0%
European Union	315.7	314.0	324.3	319.1	310.4	317.7	316.7	294.4	259.9	269.7	3.8%	7.6%
Former Soviet Union	166.1	166.0	170.3	167.6	161.1	166.8	166.4	177.2	161.1	169.1	5.0%	4.8%

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

Source: BP Statistical Review

Table 10.4: Trends of World Coal Prices.

US dollars per tonne	EU Coking Coal Import Costs from Selected Countries (CIF)	EU Steam Coal Import Costs from Selected Countries (CIF)	Japan coking coal import cif price (CIF)	Japan steam coal import cif price (CIF)
1990	65.01	52.6	60.72	50.97
1991	61.75	50.7	60.61	50.43
1992	60.95	48.6	57.86	48.47
1993	55.82	37.99	55.39	45.92
1994	55.97	40.35	51.91	43.88
1995	58.49	47.51	55.03	47.85
1996	59.74	45.62	56.39	49.29
1997	57.99	43.52	55.19	45.26
1998	54.53	39.72	50.98	40.68
1999	48.97	34.43	42.95	35.87
2000	47.88	35.22	39.46	34.59
2001	53.56	42.96	41.13	37.95
2002	56.63	38.69	42.14	36.95
2003	59.61	41.94	41.73	34.93
2004	78.12	61.91	61.4	51.48
2005	109.61	71.27	88.8	62.73
2006	125.86	69.8	93.1	63.33
2007	125.73	82.21	88.43	70.92
2008	197.84	137.79	184.13	125.42
2009	187.29	100.28	163.82	111.12
2010	194.02	104.12	151.45	110.40

Source of Price: IEA publication "Coal Information 2011"

Note: CIF = cost+insurance+freight (average prices)

Table-10.5: Production of Coal and Coke by Major Coal Producing Countries of 2009 & 2010 ('000 Tonnes)

COUNTRY	2010					2009				
	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	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
United States	68645	404414	444147	64846	13628	46559	410060	450346	65751	10108
Canada	28153	5550	23927	10264	2720	22980	4981	24425	10550	2190
Mexico	1482	0	8493	0	2209	1793	0	8755	0	1763
N. America	98280	409964	476567	75110	18557	71,332	415,041	483,526	76,301	14,061
Colombia	1139	73211	0	0	0	1115	71692	0	0	1110
Venezuela	0	8792	0	0	0	0	8792	0	0	0
Chile	0	619	0	0	392	0	636	0	0	431
Peru	0	322	0	0	0	0	322	0	0	0
Argentina	0	82	0	0	0	0	82	0	0	1995
Brazil	0	78	3582	2049	0	0	78	3582	2049	7259
South & Central America	1139	83104	3582	2049	392	1115	81602	3582	2049	10795
Poland	11658	64496	0	56510	9738	8540	68938	0	57108	7091
Germany	7147	5753	0	169403	8150	9064	4702	0	169857	6771
Czech Republic	6023	5412	0	43850	2548	5900	5101	0	45416	2295
Turkey	1515	1263	952	68019	3334	1562	1302	1058	75577	3437
United Kingdom	354	17355	0	0	4023	246	17128	0	0	3693
Spain	0	5987	2444	0	2051	0	6952	2493	0	1917
Norway	0	1935	0	0	0	0	2641	0	0	0
Italy	0	101	0	0	3755	0	72	0	0	2755
Bulgaria	0	29	0	29,305	0	0	38	0	27148	0
Bosnia and Herzegovina	0	0	5,612	5,407	0	0	0	5841	5628	609
Romania	0	0	10	30,821	0	0	0	11	33959	341
Serbia	0	0	8	37340	0	0	0	8	38491	0
Greece	0	0	0	56520	0	0	0	0	64893	0
Estonia	0	0	0	18295	21	0	0	0	15267	18
Hungary	0	0	0	9077	1018	0	0	0	8986	746
Other Europe	0	0	0	27323	10760	0	0	0	26889	11058
Europe	26697	102331	9026	551870	45398	25312	106874	9411	569219	40731

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Table-10.5: Production of Coal and Coke by Major Coal Producing Countries of 2009 & 2010 ('000 Tonnes)

COUNTRY	2010					2009				
	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	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Russian Federation	71697	176238	0	75969	0	59854	147126	0	69921	27389
Ukraine	19057	35387	0	150	0	19244	35733	0	488	17425
Kazakhstan	12086	93129	0	5584	0	11001	84769	0	5084	2552
Georgia	61	152	0	0	0	61	152	0	0	0
Uzbekistan	0	198	0	3102	0	0	101	0	3553	0
Tajikistan	0	175	23	0	0	0	175	23	0	0
Kyrgyzstan	0	67	0	537	0	0	67	0	535	0
Other Former Soviet Union						0	0	0	2290	0
Soviet Union	102901	305346	23	85342	0	90160	268123	23	81871	47366
South Africa	2598	252129	0	0	0	2556	248026	0	0	1651
Zimbabwe	571	2426	0	0	0	571	2426	0	0	396
Botswana	0	738	0	0	0	0	738	0	0	0
Democratic Republic of	0	133	0	0	0	0	133	0	0	0
United Republic of	0	95	0	0	0	0	95	0	0	0
Mozambique	0	38	0	0	0	0	38	0	0	0
Egypt	0	24	0	0	0	0	25	0	0	1439
Nigeria	0	8	0	0	0	0	8	0	0	0
Zambia	0	1	0	0	0	0	1	0	0	0
Israel	0	0	0	462	0	0	0	0	444	0
Islamic Republic of Iran	841	333	0	0	0	841	333	0	0	947
Other Africa & Middle East	0	708	0	0	0	0	708	0	10	260
Africa & Middle East	4010	256633	0	462	0	3968	252531	0	454	4693
People's Republic of China	454841	2563661	0	0	0	416458	2347322	0	0	340101
Australia	152136	167748	33150	67225	2002	129988	163742	40900	68252	2731
India	35403	496523	0	33085	0	34769	487629	0	34071	12561
Mongolia	10980	5579	0	8689	0	4704	2390	0	7349	62
Indonesia	2364	171087	162551	0	0	2049	148298	140900	0	0
New Zealand	2341	256	2438	295	458	1903	183	2218	260	414
DPR of Korea	0	24602	6954	0	0	0	24602	6954	0	0
Malaysia	0	2399	0	0	0	0	2515	0	0	0
Pakistan	0	2217	0	1167	0	0	2281	0	1200	302
Myanmar	0	1127	0	218	0	0	1127	0	234	0
Bangladesh	0	1000	0	0	0	0	1000	0	0	0
Nepal	0	16	0	0	0	0	491	0	397	3776
Philippines	0	0	6500	0	0	0	16	0	0	0
Thailand	0	0	0	18458	0	0	0	4687	0	0
Japan	0	0	0	0	42210	0	0	0	17786	0
Korea	0	2084	0	0	13549	0	0	0	0	37710
Vietnam	0	44663	0	0	0	0	43715	0	0	0
Other Asia	0	491	0	397	0	0	2519	0	0	9632
Asia Pacific	658065	3483453	211593	129534	58219	589871	3227830	195659	129549	407289
World	891092	4640831	700791	844367	122566	781758	4352001	692201	859443	524935

Source: IEA

Table -10.6: Import of Coal and Coke by Major Importing Countries of 2009 & 2010 (Thousand Tonnes)

COUNTRY	2010					2009				
	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Br'n Coal	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Br'n Coal	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
CANADA	3122	5723	3789	4	750	2204	6149	4542	2	777
USA	1385	14668	1368	135	1101	947	17996	1465	130	315
MEXICO	0	1534	6166	3	391	0	542	5458	4	208
N.AMERICA	4507	21925	11323	142	2242	3151	24687	11465	136	1300
BRAZIL	12493	4814	0	0	0	9146	3524	0	0	434
ARGENTINA	1100	530	0	1	0	1181	569	0	0	0
GUATEMALA	789	345	0	0	0	789	345	0	0	0
CHILE	509	6636	0	0	0	560	5695	0	0	0
JAMAICA	12	0	0	0	0	33	0	0	0	0
PORTUGAL	0	2771	0	0	0	0	5061	0	0	1
DOMINICANR	0	781	0	0	0	0	747	0	0	106
Other South & C. America	167	1724	0	21	0	0	887	0	0	146
SOUTH AND C. AMERICA	15070	17601	0	22	0	11709	16828	0	0	687
GERMANY	7793	37932	0	0	4310	6448	32027	0	10	3168
TURKEY	6813	20068	0	0	362	5161	15203	0	0	274
UK	6235	20286	0	0	113	5164	33003	0	0	178
ITALY	5067	16441	600	6	18	3204	15710	578	7	0
FRANCE	4615	12925	0	52	1264	3610	11827	0	51	1047
NETHLAND	4569	15871	0	29	243	3049	16857	0	38	78
POLAND	3155	10448	0	24	137	2259	8534	0	30	55
SPAIN	2777	10041	0	0	204	2058	14980	0	0	121
SWEDEN	2258	1027	0	365	247	1069	829	0	435	146
SLOVAKIA	2115	1326	0	613	610	2389	1970	0	780	275
AUSTRIA	1838	1328	74	34	1268	1661	1485	73	38	813
HUNGARY	1459	302	276	0	8	973	363	381	0	6
BELGIUM	1339	1194	0	96	166	1666	3140	0	172	179
FINLAND	1327	4593	0	80	462	959	4990	0	116	246
CZECH	634	977	0	17	168	863	1066	0	109	536
OTHER EUROPE	461	12928	1252	872	523	1115	13509	1198	1107	1718
EUROPE	52455	167687	2202	2188	10103	41648	175493	2230	2893	8840

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Table -10.6: Import of Coal and Coke by Major Importing Countries of 2009 & 2010 (Thousand Tonnes)

COUNTRY	2010					2009				
	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Br'n Coal	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	Sub-Bit. Coal	Lignite/ Br'n Coal	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
UKRAINE	10548	5012	0	0	0	5331	2533	0	14	250
RUSSIA	183	19157	0	280	0	225	23583	0	338	219
UZBEKISTAN	0	0	0	260	0	0	0	0	200	0
KAZAKHSTAN	0	234	0	3	0	0	173	0	5	668
KYRGYZSTAN	0	18	0	67	0	0	435	0	67	0
Other Soviet Union	174	307	0	1	0	154	535	0	0	81
Former Soviet Union	10905	24728	0	611	0	5710	27259	0	624	1218
SOUTHAFRIC	1894	0	0	0	0	1829	0	0	0	0
EGYPT	1309	0	0	0	0	1660	0	0	0	49
ISRAEL	0	11,823	0	0	0	0	12316	0	0	0
MOROCCO	0	3,131	0	0	0	0	4099	0	0	0
SENEGAL	0	313	0	0	0	0	254	0	0	0
LEBANON	0	293	0	0	0	0	200	0	0	0
NAMIBIA	0	143	0	0	0	0	193	0	0	0
Other Afrca & Middle East	68	2242	0	10	0	216	986	0	0	1008
AFRICA & MIDDLE EAST	3271	17945	0	10	0	3705	18048	0	0	1057
JAPAN	57680	128957	0	0	879	52514	111537	0	0	413
CHINA	48398	128560	0	0	0	34417	91423	0	0	159
INDIA	30380	59757	0	0	0	24690	48565	0	0	2200
KOREA	27706	85795	5090	0	629	20659	78761	3562	0	256
TAIPEI	4828	58410	6360	0	0	4024	48685	5800	0	109
PAKISTAN	660	6469	0	0	0	431	4227	0	0	0
KOREADPR	346	48	0	0	0	158	22	0	0	205
INDONESIA	1	0	0	0	0	69	0	0	0	0
MALAYSIA	0	19142	0	0	0	0	17026	0	0	0
THAILAND	0	16758	0	0	0	0	16740	0	0	117
PHILIPPINE	0	11181	0	0	0	0	7367	0	0	113
VIETNAM	0	965	0	0	0	0	724	0	0	89
NEPAL	0	119	0	0	0	0	308	0	0	0
NZ	0	52	199	0	0	4	63	639	0	0
Other Asia Pacific	0	12980	0	327	0	0	13640	0	0	16
ASIA PACIFIC	169999	529193	11649	327	1508	136966	439088	10001	0	3677
World	256207	779079	25174	3300	13853	202889	701403	23696	3653	16779

Source: IEA

Table 10.7 : Export of Coal and Coke by Major Exporting Countries of 2008 & 2008**(Thousand Tonnes)**

COUNTRY	2010					2009				
	Coking Coal	Other Bit. & Anthracite	SubBit. Coal	Lignite/ Br'n Coal	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	SubBit. Coal	Lignite/ Br'n Coal	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(2)	(3)	(4)	(5)	(6)
United States	50906	16387	6636	203	1327	33803	14162	5414	233	1186
Canada	27528	5744	7	132	83	21544	6922	158	129	75
Mexico	0	5	0	0	0	0	5	0	0	0
N.AMERICA	78434	22136	6643	335	1410	55347	21089	5572	362	1261
Colombia	0	68491	0	0	0	0	66756	0	0	818
Venezuela	0	6182	0	0	0	0	8477	0	0	0
Portugal	0	114	0	0	0	0	67	0	0	0
Argentina	0	4	0	0	0	0	51	0	0	53
Peru	0	1	0	0	0	0	0	0	0	0
SOUTH AND C. AMERICA	0	74792	0	0	0	0	75351	0	0	871
Czech Republic	3766	2945	0	774	904	3960	2558	0	1175	562
Poland	1815	8150	0	115	6347	1725	6671	0	68	4813
France	111	20	0	0	122	77	20	0	0	617
Germany	6	247	0	0	189	110	201	0	38	105
Netherlands	0	5866	0	4	148	28	4704	0	0	135
Norway	0	1649	0	0	3	0	2397	0	0	0
Spain	0	1487	0	0	370	0	1374	0	0	199
United Kingdom	0	602	0	0	483	6	641	0	0	146
Belgium	0	462	0	0	140	10	876	0	0	405
Denmark	0	71	0	0	0	0	64	0	0	0
Bulgaria	0	29	0	9		0	6	0	8	0
Ireland	0	13	0	1	0	0	24	0	1	0
Hungary	0	9	0	3	300	0	3	1	40	154
Italy	0	7	0	0	303	0	0	0	0	276
Sweden	0	1	0	0	33	0	6	0	0	274
Other Europe	0	0	99	160	362	16	25	159	218	587
EUROPE	5698	21558	99	1066	9704	5932	19570	160	1548	8273
Russia	13684	95112	0	167	0	13276	92276	0	893	1858
Ukraine	520	5551	0	29	0	453	4837	0	79	922
Kazakhstan	337	32460	0	89	0	299	28822	0	788	34
Georgia	2	5	0	0	0	7	18	0	0	0
Kyrgyzstan	0	26	0	0	0	0	0	0	0	0
Uzbekistan	0	0	0	8	0	0	0	0	37	0
Other soviet Union						16	6	0	14	0
Former Soviet Union	14543	133154	0	293	0	14051	125959	0	1811	2814

Table 10.7 : Export of Coal and Coke by Major Exporting Countries of 2008 & 2008**(Thousand Tonnes)**

COUNTRY	2010					2009				
	Coking Coal	Other Bit. & Anthracite	SubBit. Coal	Lignite/ Br'n Coal	Coke Oven Coke	Coking Coal	Other Bit. & Anthracite	SubBit. Coal	Lignite/ Br'n Coal	Coke Oven Coke
(1)	(2)	(3)	(4)	(5)	(6)	(2)	(3)	(4)	(5)	(6)
United States	50906	16387	6636	203	1327	33803	14162	5414	233	1186
South Africa	1398	68168	0	0	0	1357	66152	0	0	0
Egypt	12	12	0	0	0	25	25	0	0	450
Islamic Republic of Iran	0	31	0	0						
Other Africa & Middle east						0	510	0	0	206
AFRICA & MIDDLE EAST	1410	68211	0	0	0	1382	66687	0	0	656
Australia	154623	143053	0	0	0	125238	136504	0	0	0
Mongolia	10903	5655	0	76		4608	2390	0	20	0
New Zealand	2301	118	0	0	0	2034	0	73	0	0
Indonesia	2221	159715	124872	0		2049	147347	84035	0	0
PR of China	571	19484	0	0		636	21712	0	0	545
India	227	1846	0	0		269	2185	0	0	70
Vietnam	0	22386	0	0		0	24992	0	0	0
DPR of Korea	0	4646	1	0		0	3002	0	0	0
Myanmar	0	249	0	84		0	950	0	117	0
Malaysia	0	233	0	0		0	222	0	0	0
Japan	0	0	0	0	652	0	2	0	0	1020
Philippines	0	0	1289	0		0	0	1994	0	0
Other Asia	0	254	0	0		0	36	0	318	37
Asia Pacific	170846	357639	126162	160	652	134834	339342	86102	455	1672
World	270931	677490	132904	1854	11766	211546	647998	91834	4176	15547

Source: IEA

Table 10.8: Countrywise Production, Import & Export of Coal and Coke by Major Coal Consuming Countries in 2010(Thousand Tonnes)

Country	Coking Coal			Other Bituminous & Anthracite			Sub Bituminous			Lignite & Peat			Coke Oven Coke		
	Prodn.	Import	Export	Prodn.	Import	Export	Prodn.	Import	Export	Prodn.	Import	Export	Prodn.	Import	Export
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
United States	68645	1385	50906	404414	14668	16387	444147	1368	6636	64846	135	203	13628	1101	1,327
Canada	28153	3122	27528	5550	5723	5744	23927	3789	7	10264	4	132	2720	750	83
Mexico	1482	0	0	0	1534	5	8493	6166	0	0	3	0	2209	391	0
N. America	98280	4507	78434	409964	21925	22136	476567	11323	6643	75110	142	335	18557	2242	1,410
Colombia	1139	0	0	73211	0	68491	0	0	0	0	0	0	0	0	0
Venezuela	0	0	0	8792	25	6182	0	0	0	0	18	0	0	0	0
Chile	0	509	0	619	6636	0	0	0	0	0	0	0	392	0	0
Peru	0	0	0	322	484	1	0	0	0	0	1	0	0	0	0
Argentina	0	1100	0	82	530	4	0	0	0	0	1	0	0	0	0
Brazil	0	12493	0	78	4814	0	3582	0	0	2049	0	0	0	0	0
Other South & C. America	0	968	0	0	5112	114	0	0	0	0	2	0	0	0	0
Total South & Central America	1139	15070	0	83104	17601	74792	3582	0	0	2049	22	0	392	0	0
Poland	11658	3155	1815	64496	10448	8150	0	0	0	56510	24	115	9738	137	6347
Germany	7147	7793	6	5753	37932	247	0	0	0	169403	0	0	8150	4310	189
Czech Republic	6023	634	3766	5412	977	2945	0	0	0	43850	17	774	2548	168	904
Turkey	1515	6813	0	1263	20068	0	952	0	0	68019	0	0	3334	362	0
United Kingdom	354	6235	0	17355	20286	602	0	0	0	0	0	0	4023	113	483
Spain	0	2777	0	5987	10041	1487	2444	0	0	0	0	0	2051	204	370
Norway	0	0	0	1935	84	1649	0	0	0	0	0	0	0	434	3
Italy	0	5067	0	101	16441	7	0	600	0	0	6	0	3755	18	303
Bulgaria	0	0	0	29	2939	29	0	0	0	29305	0	9	0	0	0
Bosnia and Herzegovina	0	168	0	0	0	0	5612	0	98	5407	18	12	0	0	0
Romania	0	249	0	0	55	0	10	682	0	30821	164	1	0	0	0
Serbia	0	0	0	0	2	0	8	23	0	37340	173	27	0	0	0
Greece	0	0	0	0	617	2	0	0	0	56520	34	0	0	1	0
Estonia	0	0	0	0	71	0	0	0	0	18295	0	81	21	0	22
Hungary	0	1459	0	0	302	9	0	276	0	9077	0	3	1018	8	300
Other Europe	0	18105	111	0	47424	6431	0	621	1	27323	1752	44	10760	4348	783
Europe	26697	52455	5698	102331	167687	21558	9026	2202	99	551870	2188	1066	45398	10103	9704
Russian Federation	71697	183	13684	176238	19157	95112	0	0	0	75969	280	167	0	0	0
Ukraine	19057	10548	520	35387	5012	5551	0	0	0	150	0	29	0	0	0
Kazakhstan	12086	0	337	93129	234	32460	0	0	0	5584	3	89	0	0	0
Georgia	61	2	2	152	5	5	0	0	0	0	0	0	0	0	0
Uzbekistan	0	0	0	198	0	0	0	0	0	3102	260	8	0	0	0
Tajikistan	0	0	0	175	0	0	23	0	0	0	0	0	0	0	0
Kyrgyzstan	0	0	0	67	18	26	0	0	0	537	67	0	0	0	0
Other Soviet Union	0	172	0	0	302	0	0	0	0	0	1	0	0	0	0
Soviet Union	102901	10905	14543	305346	24728	133154	23	0	0	85342	611	293	0	0	0

Table 10.8: Countrywise Production, Import & Export of Coal and Coke by Major Coal Consuming Countries in 2010(Thousand Tonnes)

Country	Coking Coal			Other Bituminous & Anthracite			Sub Bituminous			Lignite & Peat			Coke Oven Coke		
	Prodn.	Import	Export	Prodn.	Import	Export	Prodn.	Import	Export	Prodn.	Import	Export	Prodn.	Import	Export
South Africa	2598	1894	1398	252129	0	68168	0	0	0	0	0	0	0	0	0
Zimbabwe	571	0	0	2426	0	0	0	0	0	0	0	0	0	0	0
Botswana	0	0	0	738	0	0	0	0	0	0	0	0	0	0	0
Democratic Republic of Congo	0	0	0	133	0	0	0	0	0	0	0	0	0	0	0
United Republic of Tanzania	0	0	0	95	0	0	0	0	0	0	0	0	0	0	0
Mozambique	0	0	0	38	0	0	0	0	0	0	0	0	0	0	0
Egypt	0	1309	12	24	0	12	0	0	0	0	0	0	0	0	0
Nigeria	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
Zambia	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Israel	0	0	0	0	11823	0	0	0	0	462	0	0	0	0	0
Islamic Republic of Iran	841	0	0	333	31	0	0	0	0	0	0	0	0	0	0
Other Africa & Middle East	0	68	0	708	6091	0	0	0	0	0	10	0	0	0	0
Africa & Middle East	4010	3271	1410	256633	17945	68180	0	0	0	462	10	0	0	0	0
People's Republic of China	454841	48398	571	2563661	128560	19484	0	0	0	0	0	0	0	0	0
Australia	152136	0	154623	167748	0	143053	33150	0	0	67225	0	0	2002	0	0
India	35403	30380	227	496523	59575	1846	0	0	0	33085	0	0	0	0	0
Mongolia	10980	0	10903	5579	1	5655	0	0	0	8689	0	76	0	0	0
Indonesia	2364	1	2221	171087	0	159715	162551	0	124872	0	0	0	0	0	0
New Zealand	2341	0	2301	256	52	118	2438	199	0	295	0	0	458	0	0
DPR of Korea	0	346	0	24602	48	4646	6954	0	1	0	0	0	0	0	0
Malaysia	0	0	0	2399	19142	233	0	0	0	0	0	0	0	0	0
Pakistan	0	660	0	2217	6469	0	0	0	0	1167	0	0	0	0	0
Myanmar	0	0	0	1127	1	249	0	0	0	218	0	84	0	0	0
Bangladesh	0	0	0	1000	800	0	0	0	0	0	0	0	0	0	0
Nepal	0	0	0	16	119	0	0	0	0	0	0	0	0	0	0
Philippines	0	0	0	0	11181	0	6500	0	1289	0	0	0	0	0	0
Thailand	0	0	0	0	16758	0	0	0	0	18458	0	0	0	0	0
Japan	0	57680	0	0	128957	0	0	0	0	0	0	0	42210	879	652
Korea	0	27706	0	2084	85795	0	0	5090	0	0	0	0	13549	629	0
Vietnam	0	0	0	44663	965	22386	0	0	0	0	0	0	0	0	0
Other Asia Pacific	0	4828	0	491	70770	285	0	6360	0	397	327	0	0	0	0
Asia Pacific	658065	169999	170846	3483453	529193	357670	211593	11649	126162	129534	327	160	58219	1508	652
World	891092	256207	270931	4640831	779079	677490	700791	25174	132904	844367	3300	1854	122566	13853	11,766

Source: IEA

Section XI

Mine Statistics

Mine wise detailed information is one of the most important ingredients in “The Coal Directory of India”. Since its inception, these have been provided in all the previous issues of this publication. Mine wise and grade wise production along with capacity utilisation, and OMS are most useful information.

However, from the year 2005-06, the Coal Directory of India is published in two parts. While Part I covers coal and lignite statistics spreading over reserve, production,

despatch, pit head closing stock, price, export and import, trends of coal consumption in power, steel and cement production, world coal statistics and captive coal and lignite blocks, part-II covers detailed information of last three years on each and every coal and lignite mines in India.

However to make each and every part of the Coal Directory independently usable some tables showing the distribution of collieries and lignite mines are also provided in Part-I. These tables are -

Table11.1	Number of Mines-Company-wise as on 31/03/2011
Table11.2	Number of Mines-State-wise as on 31/03/2011
Table11.3	Number of Mines-Sector-wise as on 31/03/2011
Table11.4	Number of Mines-Captive/Non Captive as on 31/03/11
Table11.5	Number of Mines-Public/ Private, Captive/Non Captive as on 31/03/2011
Table11.6	Number of Working Coal Mines as on 31/03/2011
Table11.7	Number of working Lignite Mines as on 31/03/2011
Table11.8	Number of Mines - State-wise, Public/private, Captive/Non captive as on 31/03/2011
Table11.9	Number of Lignite Mines- State-wise, Public/private, Captive/Non captive as on 31/03/2011

A major deviation was made since 2001-02 in determining the number of collieries. Unlike the practice followed up to Coal Directory 1999-2000, presently the numbers have been decided as on a particular date i.e., as on 31st March 2010. While deciding the number, the concepts adopted by individual coal companies have been taken. All

the units under one mine manager have been considered as one mine.

Similar method has also been followed in respect of mixed mines for which detailed data are collected for each type of activity - such as, opencast and underground, but one serial number has been provided to this mixed mine.

Further, if one mine was productive but closed under the law as on the last day of the fiscal year, it is not treated as working mine as on 31/03/2011. This was adopted in 2001-02 and also followed this time

On the contrary, if a mine did not produce any raw coal during the year but not yet declared closed under concerned law, it is being considered as one working mine.

Similarly, if a mine had both opencast and underground units and were operative during some part of the year but converted to one type only at the end of the year, either opencast or underground, type of mine as on 31st March 2011 has been treated as belongs to that converted type though production during the year came from both type of mining.

If we observe state-wise distribution of mines, Jharkhand (174) has highest number of mines followed by West Bengal (98) and Chhattisgarh (71). Charts given below shows state-wise distribution of coal and lignite mines and share of Open Cats and Underground mines among total number of mines.

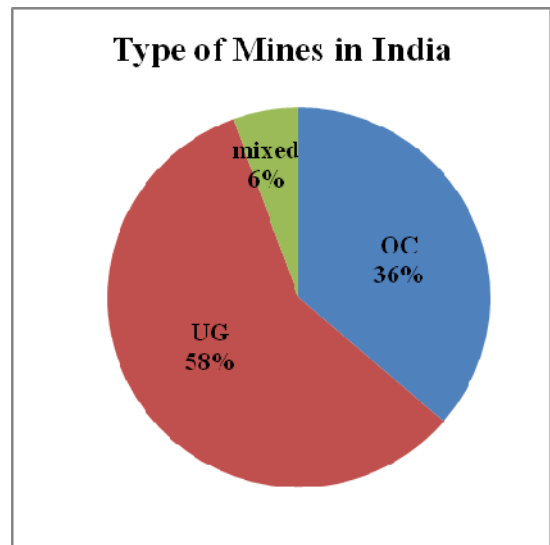
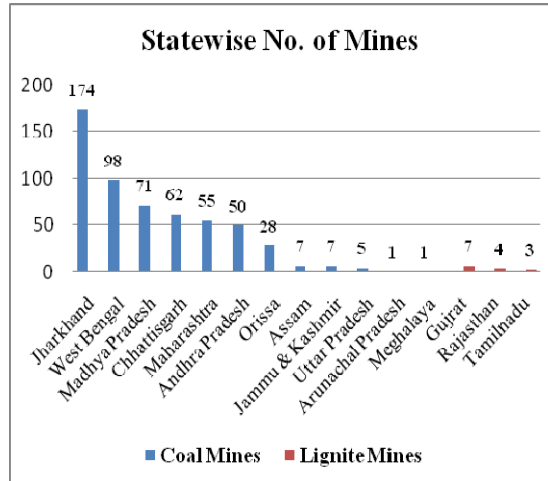


Table 11.1: Number of Coal & Lignite Mines -Companywise as on 31/03/2011

Coal / Lignite	Company	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	ECL	17	87	1	105
	BCCL	16	37	25	78
	CCL	40	24	1	65
	NCL	10	0	0	10
	WCL	38	43	2	83
	SECL	24	66	1	91
	MCL	16	11	0	27
	NEC	3	5	0	8
	CIL	164	273	30	467
	SCCL	14	36	0	50
	JSMDCL	1	0	0	1
	DVC	1	0	0	1
	DVC EMTA	1	0	0	1
	IISCO	1	2	1	4
	JKML	0	7	0	7
	WBPDCCL	1	0	0	1
	SAIL	1	0	0	1
	PUBLIC	184	318	31	533
	BECL	1	0	0	1
	ICML	1	0	0	1
	JSPL	1	0	0	1
	HIL	1	0	0	1
	TSL	3	5	0	8
	MIL	0	1	0	1
	BLA	1	0	0	1
	CML	1	0	0	1
	PANEM	1	0	0	1
	PIL	1	0	0	1
	JNL	1	0	0	1
	JPL	1	0	0	1
	SIL	0	1	0	1
	APMDTCL	1	0	0	1
	UML	1	0	0	1
	KEMTA	1	0	0	1
ESCL	1	0	0	1	
SEML	1	0	0	1	
BSISPAT	1	0	0	1	
PRIVATE	19	7	0	26	
Total	203	325	31	559	
Lignite	NLC	3			3
	GMDCL	5			5
	GIPCL	1			1
	GHCL	1			1
	RSMDCCL	3			3
	VSLPPL	1			1
	Total	14			14

Table 11.2: Number of Coal & Lignite Mines -Statewise as on 31.03.2011

Coal / Lign	States	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	Andhra Pradesh	14	36	0	50
	Arunachal Pradesh	1	0	0	1
	Assam	3	4	0	7
	Chhattisgarh	21	40	1	62
	J & K	0	7	0	7
	Jharkhand	72	75	27	174
	Madhya Pradesh	21	48	2	71
	Maharashtra	32	23	0	55
	Orissa	17	11	0	28
	Uttar Pradesh	5	0	0	5
	West Bengal	17	80	1	98
	Meghalaya	0	1	0	1
	All India	203	325	31	559
	Lignite	Gujarat	7		
Tamilnadu		3			3
Rajasthan		4			4
All India		14			14

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

Table 11.3: Number of Mines -Sectorwise as on 31/03/2011

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Public	185	318	31	534
	Private	18	7	0	25
	Total	203	325	31	559
LIGNITE :	Public	13			13
	Private	1			1
	Total	14			14

Table 11.4: Number of Mines -Captive/Non Captive as on 31/03/2011

Type	Sector	Number of Mines			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Captive	23	9	1	33
	Non Captive	180	316	30	526
	Total	203	325	31	559
LIGNITE :	Captive	5			5
	Non Captive	6			6
	Total	11			11

Table 11.5: Number of Mines -Public/Private, Captive/Non Captive as on 31/03/2011

Type	Sector	No. of Collieries			
		OC	UG	Mixed	Total
(1)	(2)	(3)	(4)	(5)	(6)
COAL :	Public Captive	5	2	1	8
	Public Non-Captive	180	316	30	526
	Private Captive	18	7	0	25
	Private Non-Captive	0	0	0	0
	Total	203	325	31	559
LIGNITE :	Public Captive	4			4
	Public Non-Captive	8			8
	Private Captive	1			1
	Total	13			13

Table 11.6: Number of Working Coal Mines as on 31/03/2011 (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)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
ECL			0							0			0			0	5	10		15				0
BCCL			0							0			0			0	15	35	25	75				0
CCL			0							0			0			0	40	24	1	65				0
NCL			0							0			0			0				0	5			5
WCL			0							0			0			0				0	7	21	2	30
SECL			0							0	16	39	1	56		0				0	8	27		35
MCL			0							0			0			0				0				0
NEC			0				3	4	7				0			0				0				0
CIL	0	0	0				3	4	7	16	39	1	56	0	0	0	60	69	26	155	20	48	2	70
SCCL	14	36	50			0			0				0			0				0				0
JSMDC			0			0			0				0			0	1			1				0
DVC			0			0			0				0			0	1			1				0
DVC EMTA			0			0			0				0			0	1			1				0
IISCO			0			0			0				0			0		1	1	2				0
JKML			0			0			0				0	7	7					0				0
WBPDC			0			0			0				0			0				0				0
SAIL			0			0			0				0			0	1			1				0
BECML			0			0			0				0			0				0				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
TSL			0			0			0				0			0	3	5		8				0
MIL			0			0			0		1		1			0				0				0
BLA			0			0			0				0			0				0	1			1
CML			0			0			0				0			0	1			1				0
PANEM			0			0			0				0			0	1			1				0
PIL			0			0			0	1			1			0				0				0
JNL			0			0			0	1			1			0				0				0
JPL			0			0			0	1			1			0				0				0
SIL			0			0			0				0			0				0				0
APMDTCL			0	1		1			0				0			0				0				0
UML			0			0			0				0			0	1			1				0
KEMTA			0			0			0				0			0				0				0
ESCL			0			0			0				0			0	1			1				0
SEML			0			0			0	1			1			0				0				0
BSISPAT			0			0			0				0			0	1			1				0
Total	14	36	50	1	0	1	3	4	7	21	40	1	62	0	7	7	72	75	27	174	21	48	2	71

Contd...

Table 11.6: Number of Working Coal Mines as on 31/03/2011 (including non-producing but not closed yet and under construction mines)

Company	Maharashtra				Orissa			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	12	77	1	90		0	17	87	1	105	
BCCL				0			0	0	1	2		3		0	16	37	25	78	
CCL				0			0	0				0		0	40	24	1	65	
NCL				0			0	5	5			0		0	10	0	0	10	
WCL	31	22		53			0	0				0		0	38	43	2	83	
SECL				0			0	0				0		0	24	66	1	91	
MCL				0	16	11	27		0			0		0	16	11	0	27	
NEC				0			0	0				0	1	1	3	5	0	8	
CIL	31	22	0	53	16	11	27	5	5	13	79	1	93	1	1	164	273	30	467
SCCL				0			0	0				0		0	14	36	0	50	
JSMDC				0			0	0				0		0	1	0	0	1	
DVC				0			0	0				0		0	1	0	0	1	
DVC EMTA				0			0	0				0		0	1	0	0	1	
IISCO				0			0	0	1	1		2		0	1	2	1	4	
JKML				0			0	0				0		0	0	7	0	7	
WBPDC				0			0	0	1			1		0	1	0	0	1	
SAIL				0			0	0				0		0	1	0	0	1	
BECML				0			0	0	1			1		0	1	0	0	1	
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	
TSL				0			0	0				0		0	3	5	0	8	
MIL				0			0	0				0		0	0	1	0	1	
BLA				0			0	0				0		0	1	0	0	1	
CML				0			0	0				0		0	1	0	0	1	
PANEM				0			0	0				0		0	1	0	0	1	
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	1	0	0	1	
SIL		1		1			0	0				0		0	0	1	0	1	
APMDCL				0			0	0				0		0	1	0	0	1	
UML				0			0	0				0		0	1	0	0	1	
KEMTA	1			1			0	0				0		0	1	0	0	1	
ESCL				0			0	0				0		0	1	0	0	1	
SEML				0			0	0				0		0	1	0	0	1	
SEML				0			0	0				0		0	1	0	0	1	
Total	32	23	0	55	17	11	28	5	5	17	80	1	98	1	1	203	325	31	559

Table 11.7: Number of Working Lignite Mines as on 31/03/2011

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)
NLC	Captive	Public			0	3		3			0	3		3
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
TOTAL			7		7	3		3	4		4	14		14

**TABLE 11.8: NO. OF COAL MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE
AS WELL AS STATE-WISE BREAKUP FOR 2010-11**

State	Captive	Non-Captive	Total	Public	Private	Total
Andhra Pradesh	0	50	50	50	0	50
Arunachal Pradesh	0	1	1	1	0	1
Assam	0	7	7	7	0	7
Chhattisgarh	6	56	62	56	6	62
Jammu & Kashmir	0	7	7	7	0	7
Jharkhand	17	157	174	161	13	174
Madhya Pradesh	1	70	71	70	1	71
Maharashtra	2	53	55	53	2	55
Meghalaya	0	1	1	1	0	1
Orissa	1	27	28	27	1	28
Uttar Pradesh	0	5	5	5	0	5
West Bengal	4	94	98	96	2	98
All India	31	528	559	534	25	559

**TABLE 11.9: NO. OF LIGNITE MINES CAPTIVE, NON-CAPTIVE, PUBLIC AND PRIVATE
AS WELL AS STATE-WISE BREAK UP FOR 2010-11**

State	Captive	Non-Captive	Total	Public	Private	Total
Gujarat	2	5	7	6	1	7
Rajasthan		4	4	4		4
Tamilnadu	3		3	3		3
All India	5	9	14	13	1	14

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 01.04.2011 is 576 million tonnes (out of which 89 million tonnes is proved). The quantities of coal produced in the state during previous fifteen years are as follows.

(Thousand Tonnes)

Years	Production
1995-96	3248
1996-97	3241
1997-98	3234
1998-99	4238
1999-2000	4060
2000-01	4065
2001-02	5149
2002-03	4406
2003-04	5439
2004-05	5345
2005-06	5566
2006-07	5787
2007-08	6541
2008-09	5489
2009-10	5767
2010-11	6974

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, West Khasi Hills and East Khasi Hills.

Areawise Production of Coal in Meghalaya (Mill.Tonnes)

Years	Jaintia Hills	Garo Hills	West Khasi Hills	East Khasi Hills	Total
1998-99	3.246	0.807	0.170	0.015	4.238
1999-00	2.936	0.907	0.203	0.014	4.060
2000-01	2.840	1.018	0.202	0.005	4.065
2001-02	3.955	0.906	0.283	0.005	5.149
2002-03	N.A.	N.A.	N.A.	N.A.	4.406
2003-04	3.918	1.058	0.463	0.000	5.439
2004-05	3.611	1.101	0.633	0.000	5.345
2005-06	3.880	1.121	0.565	0.000	5.566
2006-07	3.046	1.175	0.566	0.000	5.787
2007-08	4.360	1.370	0.811	0.000	6.541
2008-09	2.891	1.004	1.594	0.000	5.489
2009-10	N.A.	N.A.	N.A.	N.A.	5.767
2010-11	N.A.	N.A.	N.A.	N.A.	6.974

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 /Despatches of
Meghalaya coal during 2009-10
('000 Tonnes)

Month	Production
April' 10	744
May' 10	532
June' 10	357
July' 10	246
August' 10	277
September' 10	207
October' 10	376
November' 10	532
December' 10	934
January' 11	875
February' 11	880
March' 11	1014
Total	6974

ABBREVIATIONS

O.C.	OPENCAST
U.G.	UNDERGROUND
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 - Captive
DVC EMTA	D. V. C. Emta Coal Mines Limited - Public - Captive
IISCO	Indian Iron & Steel Company Limited - Public - Captive
SAIL	Steel Authority of India Limited - Public - Captive
APMDTCL	Arunachal Pradesh Mineral Development & Trading Corp. Ltd. - Public - Non Captive
WBPDCCL	West Bengal Power Development Corporation Limited - Public - Captive
ICML	Integrated Coal Mining Limited - Private - Captive
BECML	Bengal Emta Coal Mines Limited - Private - Captive
JSPL	Jindal Steel & Power Limited - Private - Captive
TSL	Tata Steel Company Limited - Private - Captive
HIL	Hindalco Industries Limited - Private - Captive
CML	Castron Mining Limited - Private - Captive
BLA	BLA Industries Limited - Private - Captive
MIL	Monnet Ispat Limited - Private - Captive
PANEM	PANEM Coal Mines 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
KEMTA	Karnataka Emta Coal Mines Limited
SEML	Sarda Energy & Minerals Limited - Private - Captive
BS ISPAT	B. S. Ispat Limited - Private - Captive
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
R/P Ratio	Reserve/ Production ratio, calculated at the end of the year indicates the number of years the remaining reserve would last if the production were to continue at that level.