



सत्यमेव जयते



# PROVISIONAL COAL STATISTICS

## अंतरिम कोयला सांखिकी

2015 - 2016

भारत सरकार  
कोयला मंत्रालय  
कोयला नियंत्रक का कार्यालय  
कोलकाता

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



# **PROVISIONAL COAL STATISTICS 2015-16**

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

## **Provisional Coal Statistics 2015-16**

is prepared on the basis of the provisional data received from source agencies

Any suggestions for improvement are most welcome

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## PREFACE

Coal is used to produce substantial amount of the Nation's electrical energy needs. Increasing demands for clean coal energy make information on affordable and reliable coal supplies essential for the energy industry and policy makers in the near future and the long term. For making a strategic coal sector plan for the country on a continuing basis, a sound data base is a must.

Coal Statistics, therefore, assumes paramount significance to meet the data requirements of the Central/ State Government Bodies, planners, thinkers, academicians etc. 'Coal Directory of India' incorporating firmed up data of the previous year is brought out every year. To meet the immediate requirement, **Provisional Coal Statistics 2015-16** like previous years is now being brought out utilizing available data bank of this organization.

This issue incorporates provisional information regarding coal, coal products & lignite of the preceding financial year along with past few years on Reserve, Production, Despatch, Pit-head Closing Stock, Import & Export of coal etc. It also contains information regarding captive blocks.

The publication of this Provisional Coal Statistics should meet the immediate demand of its users associated with the energy sector especially related to Coal & Lignite sectors.

Suggestions to improve both content and presentation are most welcome.

Kolkata  
September, 2016

  
( Anjani Kumar )  
Coal Controller

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# Highlights

## (A) Production

1. In the year 2015-16, production of raw coal in India was 639.234 MT against 609.179 MT in 2014-15, showing an increase of 4.93% over the previous year whereas lignite production was 43.843 MT against 48.270 MT in the year 2014-15, showing a decrease of 9.17 % over the previous year. [Table: 2.1]
2. The contribution of public sector and private sector in production of raw coal in India in the year 2015-16 was as follows : [Table :- 2.10]

Production of raw coal during the year 2015-16 (MT)			
Sector	Coking	Non-coking	Total coal
Public	54.662	552.016	606.678
Private	6.225	26.331	32.556
All India	60.887	578.347	639.234

3. In the year 2015-16, production of coking coal in India was 60.887 MT against 57.446 MT in the previous year, showing a growth of 5.99 % over 2014-15. Production of non-coking coal was 578.347 MT against 551.733 MT in the year 2014-15, showing a growth of 4.82 % over 2014-15. [Table :- 2.2]
4. As public sector units, Coal India Limited contributed 536.475 MT of coal (83.92 % share) in the total coal production of India in the year 2015-16 and SCCL contributed 60.380 MT (9.45 % share). In that year, Neyveli Lignite Corporation Limited contributed 25.451 MT (58.05 % share) of total lignite production of the country followed by GMDCL 6.969 MT (15.9 % share) and BLMCL 6.679 (15.23 % share). [Table :- 2.10]
5. In the private sector, Sasan Power Limited was the largest producer and produced 17.022 MT of coal followed by TISCO which produced 6.228 MT of coal. [Table :- 2.10]
6. In the year 2015-16, production of washed coal (coking) was 6.182 MT against 6.011 MT in the previous year, thus increased by 2.8 % over 2014-15, whereas production of middling (coking) was 5.525 MT in the year 2015-16 against 4.721 MT in the previous year, thus increased by 17 % over 2014-15. [Table :-2.3]
7. In the year 2015-16, production of hard coke was 14.178 MT against 14.355 MT in the previous year, thus decreased by 1.2 % over 2014-15. [Table :-2.3]
8. In the year 2015-16, Odisha registered highest coal production of 138.461 MT (21.7 % share) followed by Chhattisgarh 130.605 MT (20.4 % share) and Jharkhand 121.067 MT (18.9 % share) and Madhya Pradesh 107.714 MT (16.9 % share). In that year total lignite production was 43.843 MT. The largest producer Tamil Nadu produced 24.227 MT (55.3 % share), Gujarat 10.124 MT (23.1 % share) and Rajasthan 9.492 MT (21.6 % share). [Table :- 2.6 and 2.7]
9. In the year 2015-16, highest coking coal producing state in India was Jharkhand 58.548 MT (96.16% share). Highest non-coking coal producing state was Odisha 138.461 MT (23.94 % share) followed by Chhattisgarh 130.470 MT(22.56 % share) and Madhya Pradesh 107.505 MT (18.59 % share). [Table :- 2.11]
10. In the year 2015-16, out of total coal production of 639.234 MT, production from opencast mines was 592.822 MT (92.74 % share) and from underground mines was 46.412 MT (7.26 % share). [Table:-2.15]

11. In the year 2015-16, CIL produced highest quantity of coal from underground mines 33.786 MT (72.80 % share) followed by SCCL which produced 10.653 MT (22.95 % share). [Table:-2.15]
12. In the year 2015-16, productivity (OMS) in respect of opencast mines of CIL and SCCL was 15.28 and 13.78 respectively. In respect of underground mines OMS of CIL and SCCL was 0.79 and 1.25 respectively. (OMS is the output measured in tones per unit of man-shift). [Table :- 2.17]
13. In the year 2015-16, overall stripping ratio was 2.67. Stripping Ratio is defined as the ratio of OBR to coal produced in open cast mining. OBR means the quantity of over burden removed during the process of open cast mining. [Table :- 2.19]

## **(B) Despatch**

1. In the year 2015-16, despatch of indigenous raw coal was 632.169 MT against 603.772 MT during 2014-15, showing an increase of 4.70 % over the previous year whereas, despatch of lignite was 42.212 MT against 46.954 MT in the year 2014-15, showing a decrease of 10.10 % over the previous year. [Table :-3.1]
2. In the year 2015-16, despatch of coking coal was 59.213 MT against 56.438 MT in the year 2014-15, showing an increase of 4.92 % over the previous year. [Table :-3.2]
3. Despatch of non-coking coal was 572.956 MT in the year 2015-16 against 547.334 MT in the year 2014-15, showing an increase of 4.68 % over the previous year. [Table :-3.2]
4. In the year 2015-16, despatch of washed coal (coking) was 6.067 MT against 6.080 MT in 2014-15, showing a decrease of 0.21 % over the previous year. Despatch of middling (coking) was 5.734 MT in the year 2015-16 against 5.012 MT in the year 2014-15, showing an increase of 14.41 % over the previous year. [Table :-3.3]
5. Despatch of hard coke was 13.548 MT in the year 2015-16 against 13.954 MT in the year 2014-15, thus showing a decrease of 2.91 % over the previous year. [Table :- 3.3]
6. The contribution of public sector and private sector in despatch of raw coal in the year 2015-16 was as follows: [Table :- 3.8]

Despatch of Raw Coal during the year 2015-16 (MT)			
Sector	Coking	Non-coking	Total
Public	52.988	547.042	600.030
Private	6.225	25.914	32.139
All India	59.213	572.956	632.169

7. As public sector units, Coal India Limited contributed 532.101 MT of coal (84.17 % share) in the total coal despatch of India in the year 2015-16 and SCCL contributed 58.238 MT (9.21 % share). In that year, total despatch of lignite was 42.212 MT. As the largest supplier of lignite, NLC (Neyveli Lignite Corporation Ltd.) despatched 23.717 MT (56.19 % share) followed by GMDCL 6.969 MT (16.51 % share) and BLMCL 6.563 MT (15.55 % share). [Table :- 3.8]
8. Out of total despatch of coal by private sector, Sasan Power Limited had the largest share of 16.842 MT followed by TISCO 6.233 MT. [Table :- 3.8]
9. In the year 2015-16, largest despatch of coal was from Odisha 140.639 MT (22.25 % share) followed by Chhattisgarh 132.040 MT (20.89 % share) and Jharkhand 118.072 MT (18.68 % share). Largest despatch

of lignite was from Tamil Nadu 22.493 MT (53.29 % share) followed by Gujarat 10.136 MT (24.01 % share) and Rajasthan 9.583 MT (22.70 % share). [Table :- 3.6 and 3.7]

10. In the year 2015-16, sector wise despatch of coal was mainly to Power (Utility) 445.979 MT, Power (Captive) 62.267 MT, Steel 12.373 MT, Cement 8.926 MT and Sponge Iron 7.763 MT [Table :- 3.14]
11. In the year 2015-16, coal was mainly despatched by Rail 314.189 MT (49.70 %) followed by road 171.97 MT (27.20 %) and MGR 98.170 MT (15.53 %). [Table :- 3.13]

### **(C) Pit Head Closing Stock**

1. Pit-head closing stock of raw coal as on 31-03-2016 was 64.793 MT against 59.389 MT as on 31-03-2015 (increased by 9.10 % over the previous year). In case of lignite it was 4.809 MT as on 31-03-2016 against 3.176 MT as on 31-03-2015 (increased by 6.91 % over the previous year. [Table :-4.1]
2. Out of total closing stock of 64.793 MT as on 31-03-2016, public sector accounted for 64.208 MT ( 99.10 % share). [Table :-4.3]

### **(D) Import and Export**

1. In the year 2015-16, import of coking coal was 43.506 MT against 43.715 MT in the year 2014-15, thus decreased by 0.47 % over the previous year. In that year, import of non-coking coal was 156.378 MT against 174.068 MT in 2014-15, thus decreased by 10.16 % over the year 2014-15. [Table :-5.1]
2. The countries from where coal was mainly imported were Indonesia (96.190 MT), Australia (47.557 MT) and South Africa (36.080 MT). [Table 5.3]
3. In the year 2015-16, coal was mainly imported through Paradip (15.901 MT), Gangavaram (15.162 MT), Mundra (13.632 MT), Vishakhapatnam (12.977 MT), Krishnapatnam (12.505 MT), Kandla (12.057 MT), Dhamra (11.511 MT), and Marmagoa (11.022 MT) sea ports. [Table 5.5]
3. Export of coal in the year 2015-16 was 1.250 MT against 1.238 MT in 2014-15, thus there was a marginal change . [Table :-5.2]
4. In the year 2015-16, coal was mainly exported to Bangladesh (0.611 MT) and Nepal (0.440MT). Main ports for coal export were Borsorah (0.384 MT) and Panitanki (0.293 MT). [Table 5.4 and 5.6]

### **(E) Captive Coal Block**

In the year 2014-15, by order of Hon'ble Supreme Court of India, allocation of 204 coal blocks were cancelled except Moher, Moher Amlori, Tasra, Pakri-Barwadi Coal Block and 10 UMPP Coal Blocks. As per Coal Mines (Special Provisions) Act, 2015, allocation of Schedule-I coal mines started by way of Public Auction or on the basis of Competitive Bids for Tariff. As on 31.03.2016 reallocation (either vested or allotted) were done in respect of 71 coal blocks. Out these 71 coal blocks, 08 blocks were producing coal, 02 more blocks given to CIL as Custodian have started production. Moher, Moher Amlori was already continuing production. In 2015-16, production from those Captive Coal Blocks was 31.101 MT.

### **(F) Geological Coal Reserve**

As per Geological Survey of India, geological resources of coal in India as on 01-04-2016 was 308.802 Billion Tonnes/ BT. The geological resources of coking coal (prime, medium and semi-coking) was 34.403 Billion Tonnes and non-coking coal was 274.398 Billion Tonnes. .

Total coal extracted since 1950 up to 2015-16 is around 13783.957 Million Tonnes.

## Introductory Note

1.1 Provisional Coal Statistics 2015-16 is the latest Statistical Report on Coal in India based on the data received from various Indian coal companies. As the data provided here are based on pre-audited reports of the companies for the year 2015-16, the coal statistics has been termed as provisional. However, to provide a glimpse of the variation between the provisional statistics and the final one, present below the corresponding figures for last five years along with the provisional figures for 2015-16.

1.2

Statement 1: Difference between Provisional and Final Figures of Production and Despatch of Coal									
Year	Type of Data	Production [Million Tonnes]				Despatch [Million Tonnes]			
		Coking Coal	Non-Coking Coal	Coal Total	Lignite	Coking Coal	Non-Coking Coal	Coal Total	Lignite
2011-12	Provisional	51.654	488.286	<b>539.940</b>	43.105	51.528	483.624	<b>535.152</b>	42.500
	Actual	51.660	488.290	<b>539.950</b>	42.332	51.723	483.576	<b>535.299</b>	41.883
	Change(A-P)	0.01%	0.00%	<b>0.00%</b>	-1.79%	0.38%	-0.01%	<b>0.03%</b>	-1.45%
2012-13	Provisional	51.834	505.873	<b>557.707</b>	46.598	55.212	514.555	<b>569.767</b>	46.312
	Actual	51.582	504.820	<b>556.402</b>	46.453	55.859	511.277	<b>567.136</b>	46.313
	Change(A-P)	-0.49%	-0.21%	<b>-0.23%</b>	-0.31%	1.17%	-0.64%	<b>-0.46%</b>	0.00%
2013-14	Provisional	56.818	508.948	<b>565.766</b>	44.271	58.302	512.949	<b>571.251</b>	43.897
	Actual	56.818	508.947	<b>565.765</b>	44.271	58.464	513.596	<b>572.06</b>	43.897
	Change(A-P)	0.00%	0.00%	<b>0.00%</b>	0.00%	0.28%	0.13%	<b>0.14%</b>	0.00%
2014-15	Provisional	57.451	554.984	<b>612.435</b>	48.257	56.614	551.016	<b>607.630</b>	46.941
	Final	57.446	551.733	<b>609.179</b>	48.270	56.438	547.334	<b>603.772</b>	46.954
	Change(A-P)	-0.01%	-0.59%	<b>-0.53%</b>	0.03%	-0.31%	-0.67%	<b>-0.63%</b>	0.03%
2015-16	Provisional	60.887	578.347	<b>639.234</b>	43.843	59.213	572.956	<b>632.169</b>	42.212
N.B 1:	P = Provisional Data; F = Final Data; D = % Differences between the Final Data and the Provisional Data.								
N.B 2:	The difference between the final and provisional figures is in general negligible and less than 0.5%.								

1.3 Provisional Coal Statistics 2015-16, apart from providing data on production, despatch and stock of coal and lignite in India for the year 2015-16, also provides data on coal reserves in India as on 01-04-2016, import and export of coal, performance of captive mining etc. during 2015-16.

1.4 In this report of 2015-16, like previous years, specific information has been provided regarding performance of captive coal blocks so far production, despatch and closing stock are concerned. Segregation has been made between the coal blocks in public sector and private sector on the basis of the original allotment made between public sector and private sector. Performance of coal blocks so far

production, despatch and closing stock is concerned is shown in the corresponding tables of this publication.

1.5 As the purpose of the publication of the Provisional Coal Statistics 2015-16 is to provide quick results to all stakeholders, users, planners, etc., a detailed analysis like the one attempted in the Coal Directory has not been preferred here. Therefore, the report contains only an Introductory Note followed by Tables and Charts depicting various aspects of Coal Statistics.

### Indian Coal and Lignite Deposits

1.6 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. Indian lignite deposits are in the Tertiary sediments in the Southern & Western parts of the peninsular shield, particularly in Tamil Nadu, Pondicherry, Gujarat, Rajasthan and Jammu & Kashmir. It is also available, in minor quantity, in Kerala & West Bengal. As per Geological Survey of India, the reserve position for coal as well as lignite for last three years has been as follows:

Statement 2: Inventory of Geological Reserve of Coal and Lignite in India					
Name of the Mineral	As on	Reserve (Mill. Tonnes)			
		Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	01/04/2014	1,25,909	1,42,506	33,148	<b>3,01,564</b>
	01/04/2015	1,31,614	1,43,241	31,739	<b>3,06,596</b>
	01/04/2016	1,38,087	1,39,151	31,563	<b>3,08,802</b>
Lignite	01/04/2014	6180.90	26282.67	10783.11	<b>43,246.68</b>
	01/04/2015	6182.41	26281.58	11650.25	<b>44,114.24</b>
	01/04/2016	6182.41	26372.70	12039.42	<b>44,594.53</b>

The distribution of the coal and lignite reserves over the regions/states and by type in India and other details may be seen from Table 1.6, 1.7 and 1.8.

### Production of Coal and Lignite in India

1.7 In the year 2015-16, coal production in India reached 639.234 MT and registered a growth of 4.93 % over the last year. During this period production of lignite reached 43.843 MT registering a decline 9.17% over the last year. Statement 3(A) shows production of coal in 2015-16 in India by Public and Private Sectors.

Statement 3(A): Coal Production in India by Company			
Company	Coal Production (2015-16) [MT]		
	Coking	Non-coking	Total
CIL	53.701	482.774	<b>536.475</b>
SCCL	-	60.380	<b>60.380</b>
Other Public	0.961	8.862	<b>9.823</b>
Total Public	54.662	552.016	<b>606.678</b>
Total Private	6.225	26.331	<b>32.556</b>
<b>ALL INDIA</b>	<b>60.887</b>	<b>578.347</b>	<b>639.234</b>

1.8 It can be seen that Coal India Limited alone accounted for 83.92% of coal production in the country and share of SCCL was 9.45%. Share of public sector was 94.91% and that of private sector was 5.09%. Performance of subsidiary companies of Coal India Limited may be seen from statement 3(B). From statement 3(A) and 3(B) it can be seen that the major contributors in all India coal production were MCL (21.57%), SECL (21.22%) and NCL (12.55%). These three subsidiary companies of CIL collectively accounted for 55.34% of total coal production at all India level and 65.95% of production by CIL group.

Company	Coal Production (2015-16) [MT]		
	Coking	Non-coking	Total
ECL	0.012	40.196	<b>40.208</b>
BCCL	32.648	3.213	<b>35.861</b>
CCL	20.697	40.627	<b>61.324</b>
NCL	0	80.224	<b>80.224</b>
WCL	0.209	44.606	<b>44.815</b>
SECL	0.135	135.521	<b>135.656</b>
MCL	0	137.901	<b>137.901</b>
NEC	0	0.486	<b>0.486</b>
<b>CIL</b>	<b>53.701</b>	<b>482.774</b>	<b>536.475</b>

1.9 From the Statement 3(A) it can also be seen that by type of coal, major contribution in total coal production was of non-coking coal (90.48%). Statement 4 shows that during the period 2015-16, almost total coking coal of the country was produced in the state of Jharkhand which accounted for 96.16% of the total coking coal production.

1.10 From Table 2.2 it can be seen that in the year 2015-16, production of coking coal registered an increase of 5.99% over the previous year whereas the corresponding increase in the case of non-coking coal was 4.82%.

1.11 Statement 4 shows coal production in India during 2015-16 by states. It may be observed that the three major states were Odisha (21.7%), Chhattisgarh (20.04%), Jharkhand (18.9%) and Madhya Pradesh (16.9%). These four states

together contributed about 77.9% of the total coal production in the country.

States	Coal Production (2015-16) [MT]		
	Coking	Non Coking	Total
Arunachal Pradesh		0	<b>0</b>
Assam		0.486	<b>0.486</b>
Chhattisgarh	0.135	130.470	<b>130.605</b>
Jammu & Kashmir		0.015	<b>0.015</b>
Jharkhand	58.548	62.519	<b>121.067</b>
Madhya Pradesh	0.209	107.505	<b>107.714</b>
Maharashtra		38.351	<b>38.351</b>
Meghalaya		3.715	<b>3.715</b>
Odisha		138.461	<b>138.461</b>
Telangana		60.380	<b>60.380</b>
Uttar Pradesh		12.689	<b>12.689</b>
West Bengal	1.995	23.756	<b>25.751</b>
<b>All India</b>	<b>60.887</b>	<b>578.347</b>	<b>639.234</b>

1.12 Considering coal production from the technology point of view then it can be seen from Table 2.15 that in the year 2015-16, production from opencast mining system accounted for 92.74% of the total coal production and the rest 7.26% was from underground mining system. It is interesting to note that the share of OC mining in total coal production has been steadily increasing over time and in the last ten years it has increased from 86.61% in 2006-07 to 92.74% in 2015-16.

1.13 It can be seen from Table 2.3 that production of coal products increased from 46.123 MT in the year 2014-15, 43.004 MT in the year 2015-16. Out of total production of coal products in 2015-16, production of washed coal (coking) was 6.182 MT and washed coal (non-coking) was 17.119 MT.

1.14 Table 2.13 and 2.14 show details of coal production by type (coking and non-coking) and grade of coal by each company for the year 2015-16.

1.15 Stripping Ratio defined as the ratio of OBR (over burden removal) to coal produced in open cast mining has been of interest to the researchers

and planners. From Table 2.19 it can be seen that in the year 2015-16, the stripping ratio at all India level was 2.67. The corresponding figure for the year 2014-15 was 2.33. Stripping ratio of CIL for 2015-16 was 2.27. In the year 2015-16, stripping ratio for the public sector as a whole was 2.62 and for the private sector was 3.79. In case of CIL companies, MCL reported the lowest stripping ratio of 0.72 against coal production of 136.789 MT whereas NEC reported the highest stripping ratio of 15.12 against coal production of 0.483 MT. BCCL reported the second highest stripping ratio of 4.36 against production of 34.054 MT.

1.16 Output per man shift (OMS) is one of the measures of efficiency in coal production. Statement 5 shows OMS in respect of type of mines i.e. OC and UG for the year 2015-16 and the last year for two major players in the public sectors namely CIL and SCCL. From Table 2.17 it can be seen that for CIL OMS for open cast mining has shown an increasing trend in last ten years which has increased from 7.51 in 2005-06 to 13.06 in 2014-15. The corresponding increase in case of SCCL has been from 9.60 in 2005-06 to 12.14 in 2014-15. Further details on the issue can be seen from the table 2.18.

Type of Mining	Company	Year	
		2014-15	2015-16
OC	CIL	14.63	15.28
	SCCL	12.14	13.78
UG	CIL	0.78	0.79
	SCCL	1.10	1.25
<b>Overall</b>	<b>CIL</b>	<b>6.50</b>	<b>7.11</b>
	<b>SCCL</b>	<b>4.20</b>	<b>4.20</b>

1.17 In Table 2.1 it is shown that production of lignite in the year 2015-16 was 43.843 MT whereas it was 48.270 MT in 2014-15, thus in the year 2015-16 production of lignite declined by 9.17% over the previous year. It can also be seen

that while coal production registered an increase of 48.37% in the year 2015-16 in comparison to the year 2006-07, the corresponding increase in lignite production was 40.14%. Statement 6 shows production of lignite by different companies in 2014-15 and 2015-16. In case of lignite in the year 2015-16, three major producing companies with share in total production were NLC (58.05%), GMDCL (15.9%) and BLMCL (15.23%). In the year 2015-16, there was significant drop in production of GMDCL over the year 2014-15.

Company	2014-15	2015-16
NLC	26.543	25.451
GMDCL	8.713	6.969
GIPCL	3.404	3.063
RSMML	1.405	0.972
GHCL	0.200	0.092
VS LPPL	1.005	0.617
BLMCL	7.000	6.679
<b>ALL INDIA</b>	<b>48.270</b>	<b>43.843</b>

### Despatch

1.18 Despatch of raw coal in the year 2015-16 was 632.169 MT against 603.772 MT in the year 2014-15, thus resulting a growth of 4.70% over the previous year.

1.19 Statement 7 shows the despatch of coal by different companies in the year 2014-15. It can be seen that Coal India Limited alone accounted for 84.17 % of overall coal despatch in the country, while share of SCCL in coal despatch was 9.21%. The contribution of the private sector was 5.08%. In the CIL group of companies, share of MCL in all India coal despatch was 22.18%, SECL 21.61% and NCL 12.42%. These three subsidiary companies of CIL collectively accounted for 56.21% of raw coal despatch in all India level.

Statement 7: Coal Despatch in India by company- 2015-16			
Company	Coal Despatch (2015-16) [MT]		
	Coking	Non-coking	Total
ECL	0.017	38.362	<b>38.379</b>
BCCL	32.914	3.250	<b>36.164</b>
CCL	18.799	40.783	<b>59.582</b>
NCL	-	78.532	<b>78.532</b>
WCL	0.200	42.106	<b>42.306</b>
SECL	0.108	136.474	<b>136.582</b>
MCL	-	140.214	<b>140.214</b>
NEC	-	0.342	<b>0.342</b>
<b>CIL</b>	<b>52.038</b>	<b>480.063</b>	<b>532.101</b>
<b>SCCL</b>	-	58.238	<b>58.238</b>
Other Public	0.950	11.537	<b>12.487</b>
<b>Total Public</b>	<b>52.988</b>	<b>547.042</b>	<b>600.030</b>
<b>Total Private</b>	<b>6.225</b>	<b>25.914</b>	<b>32.139</b>
<b>ALL INDIA</b>	<b>5.921</b>	<b>572.956</b>	<b>632.169</b>

1.20 Statement 8 shows details of off-take of raw coal in India in the year 2015-16 by different sectors of economy. Analysis of total off-take by different sector shows that power sector accounted for 80.35% of total raw coal off-take further details on the issue is shown in Table 3.14.

Statement 8: Off-take of Raw Coal in India in 2015-16 by Sector	
Sector	Off-take [MT]
Power (Utility)	445.979
Power (Captive)	62.267
Steel	12.373
Steel (Boilers)	0.573
Cement	8.926
Fertilizers	2.295
Sponge Iron	7.763
Other basic-Metal	0.440
Chemical	0.331
Pulp & Paper	1.201
Textiles & Rayons	0.268
Bricks	0.077
Others	89.676
Total Despatches	632.169
Colliery Own Consumption	0.335
<b>Total off-take</b>	<b>632.504</b>

1.21 Table 3.11 and 3.12 show details of coal despatch by type of coal (coking and non-coking) and grade of coal by each company during the year 2015-16.

1.22 From Statement 9 it can be seen that despatch as well as off-take of lignite during 2015-16 was 42.212 MT. Like coal, lignite was mainly despatched to power sector and share was 88.94% of total off-take. Besides this lignite was despatched to textiles & rayons, pulp & paper, cement etc. as shown in the statement.

Statement 9: Off-take (MT) of Lignite by Sector in India - 2015-16	
Sector	Off-take (2015-16) [MT]
Power (Utility)	21.954
Power (Captive)	15.588
Cement	0.248
Chemical	0.269
Pulp & Paper	0.437
Textiles & Rayons	1.728
Bricks	0.393
Others	1.592
Fertilisers	0.003
<b>Total Off-take</b>	<b>42.212</b>

#### Pit Head Closing Stock

1.23 A complete understanding of production and despatch of coal requires a discussion on the pit-head closing stock. It is to be noted that whenever we talk about pit-head closing stock of coal we refer to raw coal. From Statement 10 it can be seen that the pit-head closing stock as on 31-03-2016 of coal and lignite was 64.793 MT and 4.809 MT respectively.

1.24 Statement 10 provides trend for last ten years for pit head closing stock of coal and lignite. It can be seen that in case of coal pit-head closing stock has been increasing over the years from the year 2006-07 till 2011-12, however, for the year 2012-13 and 2013-14, it showed decreasing trend. Thereafter it again showed increasing trend. In case of lignite, closing stock has been showing upward trend since the year 2010-11.

Statement 10: Pit Head Closing Stock of Coal and Lignite in India in last ten years.		
Year	Pit Head Closing Stock [MT]	
	Raw Coal	Lignite
2006-07	44.348	1.002
2007-08	46.779	0.328
2008-09	47.317	0.903
2009-10	64.863	0.565
2010-11	72.192	0.610
2011-12	74.040	1.051
2012-13	63.049	1.493
2013-14	55.514	1.860
2014-15	59.389	3.176
2015-16	64.793	4.809

1.26 Statement 11 shows pit head closing stock of coal, of company wise for the year 2014-15 and 2015-16. It can be seen that in 2014-15, CIL registered an increase of 9.86 % in its Pit head closing stock of coal in comparison with figure of 2013-14. In the CIL Group, there was significant decline in closing stock in case of NCL and MCL and marginally in case of WCL other companies showed increase in closing stock over the year 2013-14. While SCCL showed a marginal decrease in closing stock there was significant decrease in case of private sector. Further details on this aspect may be seen from Tables 4.1 to 4.3.

Statement 11: Company wise Pit Head Closing Stock (MT) of Coal in India		
Company	As on	
	31-03-2015	31-03-2016
(1)	(2)	(3)
<b>COAL :</b>		
ECL	3.451	5.055
BCCL	4.362	4.015
CCL	9.718	11.460
NCL	4.898	6.590
WCL	5.501	8.007
SECL	12.816	11.876
MCL	12.530	10.194
NEC	0.215	0.359
<b>CIL</b>	<b>53.491</b>	<b>57.556</b>

Statement 11: Company wise Pit Head Closing Stock (MT) of Coal in India		
Company	As on	
	31-03-2015	31-03-2016
(1)	(2)	(3)
SCCL	5.348	6.460
Others Public	0.262	0.196
<b>Total Public</b>	<b>59.101</b>	<b>64.212</b>
<b>Total Private</b>	<b>0.297</b>	<b>0.581</b>
<b>ALL INDIA</b>	<b>59.398</b>	<b>64.793</b>
<b>LIGNITE :</b>		
Statement 12: Company wise Pit Head Closing Stock (MT) of Lignite in India		
NLC	2.842	4.573
GIPCL	0	0
GMDCL	0	0
GHCL	0.023	0.011
RSMML	0	0
VSPPL	0.233	0.031
BLMCL	0.078	0.194
<b>TOTAL</b>	<b>3.176</b>	<b>4.809</b>

### Import & Export

1.27 In spite of sufficient coal reserve, we have not been able to meet our demand from our own production. Moreover, the supply of high quality coal (low-ash coal) in the country has been limited. Therefore, to bridge the demand and supply gap as well as to provide high quality coal for use in various industries the country has no option but to resort to import of coal, especially low-ash coal.

1.28 As per our Import Policy 1993-94, coal has been put under Open General License (OGL) and therefore consumers are free to import coal based on their requirement. Superior quality non-coking coal is imported mainly by coast-based power plants and other industrial users viz., paper, sponge iron, cements and captive power plants, on consideration of transport logistics, commercial prudence, export entitlements and inadequate availability of such superior coal from indigenous sources.

1.29 In the year 2015-16, import of raw coal of the country was 199.884 MT (in value 845035 Million Rupees) against import of 217.783 MT (in value 1045066 Million Rupees) in 2014-15. Thus in the year 2015-16, import of coal (in quantity) decreased by 8.22% during the year 2015-16 over the previous year. The share of coking and non-coking coal is given in statement 13.

Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	43.506	276630
Non-Coking	156.378	568405
<b>Total</b>	<b>199.884</b>	<b>845035</b>

It can be seen that the share of coking coal in the total quantity was 21.77% which in value terms accounted for 32.74 %.

1.30 Statement 14 shows source country wise import of coal in India in 2015-16. It can be seen that Indonesia with 48.12% share [96.190 MT] remained the leading supplier followed by Australia 23.79% [47.557 MT] and South Africa 18.05% [36.080 MT]. These three countries together accounted for 89.97% of the total import to India during the year 2015-16.

Country	Quantity [MT]	Share
Indonesia	96.190	48.12 %
Australia	47.557	23.79 %
South Africa	36.080	18.05 %
USA	5.744	2.87 %
Russia	3.822	1.91 %
Mozambique	2.665	1.33 %
Canada	1.552	0.78 %
Others	6.274	3.14 %
<b>Total</b>	<b>199.884</b>	<b>100.00%</b>

1.31 The break-up of source country wise Import for coking and non-coking coal is given in statement 15 and statement 16 respectively.

Country	Quantity [MT]	% Share
Australia	37.974	87.28 %
Canada	1.355	3.11 %
Mozambique	1.855	4.26 %
USA	1.161	2.67 %
New Zealand	0.620	1.43 %
Others	0.541	1.24 %
<b>Total</b>	<b>43.506</b>	<b>100 %</b>

Country	Quantity [MT]	Share
Indonesia	96.041	61.42%
South Africa	35.817	22.90%
Australia	9.583	6.13%
USA	4.582	2.93%
Others	10.355	6.62%
<b>Total</b>	<b>156.378</b>	<b>100%</b>

1.32 To comprehend the requirement of coal in real term, the planning commission of India has been estimating demand for each year in advance. However, the actual supply (Despatch + Import – Export) has been showing variance from these estimates. Against the estimated demand of coking coal and non-coking coal the actual despatch, import and export of coking coal and non-coking coal during the last five years are given in Statement 17 and 18 respectively.

Year	Demand*	Despatch	Import	Export
2011-12	46.670	51.723	31.801	0.097
2012-13	52.300	55.859	35.557	0.056
2013-14	53.980	58.464	36.872	0.008
2014-15	55.460	56.438	43.715	0.042
2015-16	77.000	59.213	43.506	0.064

Statement 18: Demand*, Despatch, Import and Export of Non-coking Coal of India [MT]				
Year	Demand*	Despatch	Import	Export
2011-12	649.360	483.576	71.052	1.917
2012-13	720.540	511.277	10.228	2.387
2013-14	715.710	513.596	29.985	2.180
2014-15	731.570	547.334	74.068	1.196
2015-16	833.000	572.956	56.378	1.186

\*Source: Annual Plan, MOC

1.33 Export of Coal: Although, there was short supply of coal in India compared to its demand and it had to resort to import of coal, India exported some quantity of coal to its neighboring countries during the year 2015-16 (Statement 19). It can be seen from the statement that the total export was 1.250 MT. Export to Bangladesh was 0.611 MT (48.88 %) followed by Nepal 0.440 MT (35.20 %) and United Arab Emirates 0.067 MT (5.36 %).

Statement 19: Export of Coal by India to different countries during 2015-16		
Country	Quantity [MT]	% Share
Bangladesh PR	0.611	48.88
Nepal	0.440	35.20
United Arab Emts	0.067	5.36
Bhutan	0.066	5.28
Iran	0.064	5.12
Others	0.002	0.14
<b>Total</b>	<b>1.250</b>	<b>100</b>

1.34 The break-up of country wise Export for coking and non-coking coal is given in Statement 20 and 21 respectively.

Statement 20: Export of Coking Coal from India to different countries during 2015-16		
Country	Quantity [MT]	% Share
Iran	0.064	100
<b>Total</b>	<b>0.064</b>	<b>100</b>

Statement 21: Export of Non-coking Coal from India to different countries during 2015-16		
Country	Quantity [MT]	Share
Bangladesh PR	0.611	51.52%
Nepal	0.440	37.10%
United Arab Emts	0.067	5.65%
Bhutan	0.066	5.55%
Others	0.002	0.17%
<b>Total</b>	<b>1.186</b>	<b>100%</b>

### Captive Coal Blocks

1.35 The policy of the allotment of Captive Coal Blocks was adopted by the Government of India in the year 1993 and as per this policy by the end of 2013-14, out of total allocated 218 coal blocks, 80 coal blocks were de-allocated. Thus at the end of 2013-14, 138 coal blocks and 28 lignite blocks remained allocated under the category of Captive Coal Block. During the year 2014-15 by virtue of judgment dated 25.08.2014 read with the order dated 24.09.2014 of the Hon'ble Supreme Court of India, out of 218 captive coal blocks, allocation of 204 coal blocks were cancelled except allocation of 12 coal blocks for UMPPs and one coal block each allocated to NTPC and SAIL.

1.36 Further, allocation of four coal blocks for UMPPs, namely, Chhatrasal coal block cancelled on 07.05.2015 and Meenakshi, Meenakshi B and Dip side of Meenakshi blocks of UMPP cancelled on 15.12.2015. As such as on date 10 coal blocks allocated through earlier dispensations stand allocated.

1.37 Subsequent to the order of the Hon'ble Supreme Court of India, 42 nos. of producing coal blocks [Schedule II coal mines as per the Coal Mines (Special Provisions) Ordinance, 2014 replaced by the Coal Mines (Special Provision) Act, 2015] were allowed to produce coal up to 31.03.2015. Thus total number of blocks stand allocated from 25.09.2014 to 31.03.2015 was 52 [42 + 10 earlier coal blocks]

1.38 As per Coal Mines (Special Provisions) Act, 2015, allocation of Schedule-I coal mines started by way of Public Auction or on the basis of Competitive Bids for Tariff. Up to 31.03.2016 re-allocation (either vested or

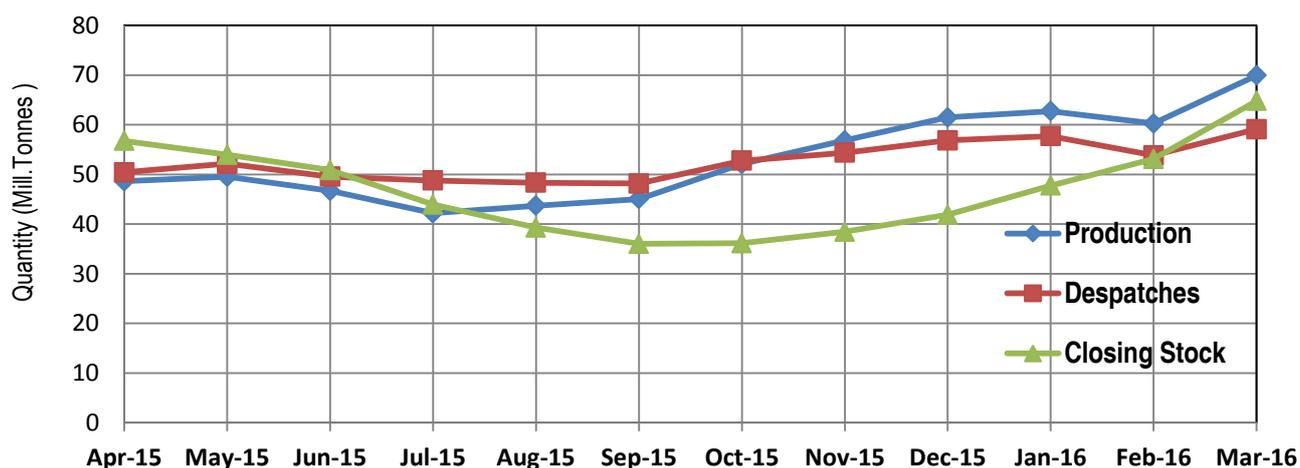
allotted) was done in respect of 71 coal blocks. 07 nos. of coal blocks have been given to Coal India Limited and 01 block has been given to OCL Iron & Steel Ltd as Custodian, but only 02 blocks (Gare Palma IV/2 & 3) have started production.

1.39 In 2015-16, Moher, Moher Amlori block which was not cancelled continued production, 08 coal blocks vested/allotted started production and 02 blocks under custodian of CIL also started production. From these 12 coal blocks, the production of coal is 31.101 MT in 2015-16.

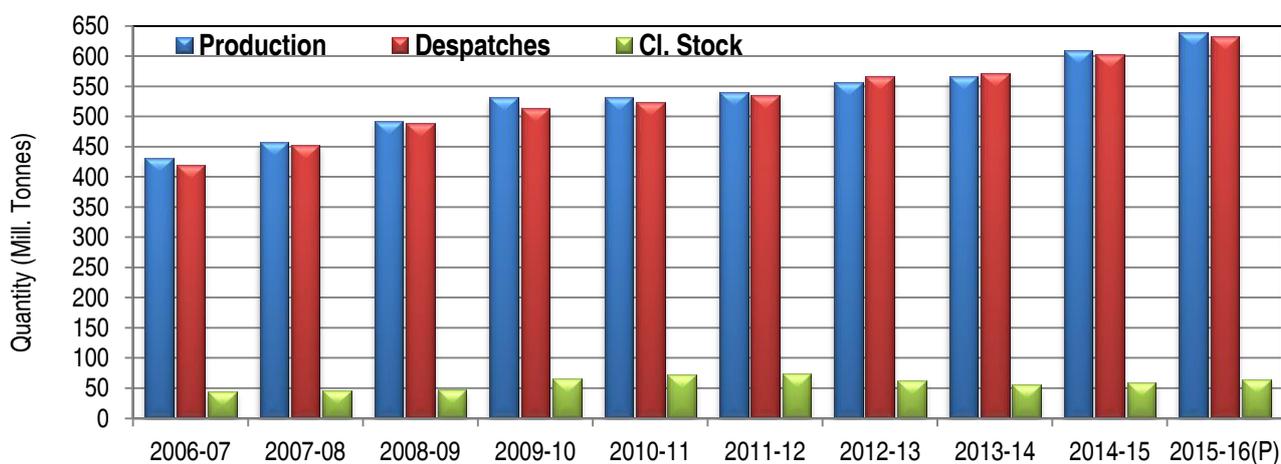
1.40 Under the "Auction by Competitive Bidding Rules, 2012", 10 regionally explored coal blocks have been allotted to Central/State Government companies. In addition, 04 regionally explored lignite blocks have also been allotted to Government companies of Government of Gujarat.

1.41 Therefore, as on 31.03.2016, numbers of coal blocks stand exist as 99 (vested/allotted -71 + Custodian – 08 + Under Auction by Competitive Bidding Rules, 2012 – 10 and blocks not cancelled – 10)

**Chart-I : MONTH-WISE RAW COAL PRODUCTION, DESPATCHES & STOCK  
IN INDIA, 2015-16**



**Chart-II : RAW COAL PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS**



**Chart-III : LIGNITE PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS**

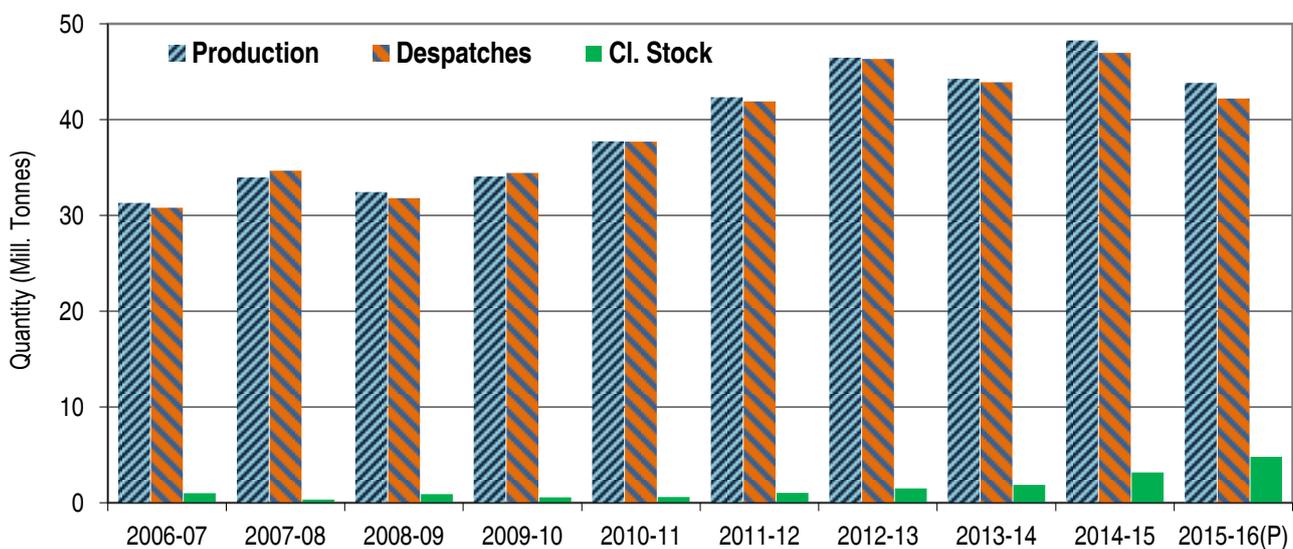


Chart -IV : Sectorwise Despatches of Raw Coal from different companies in 2015-16

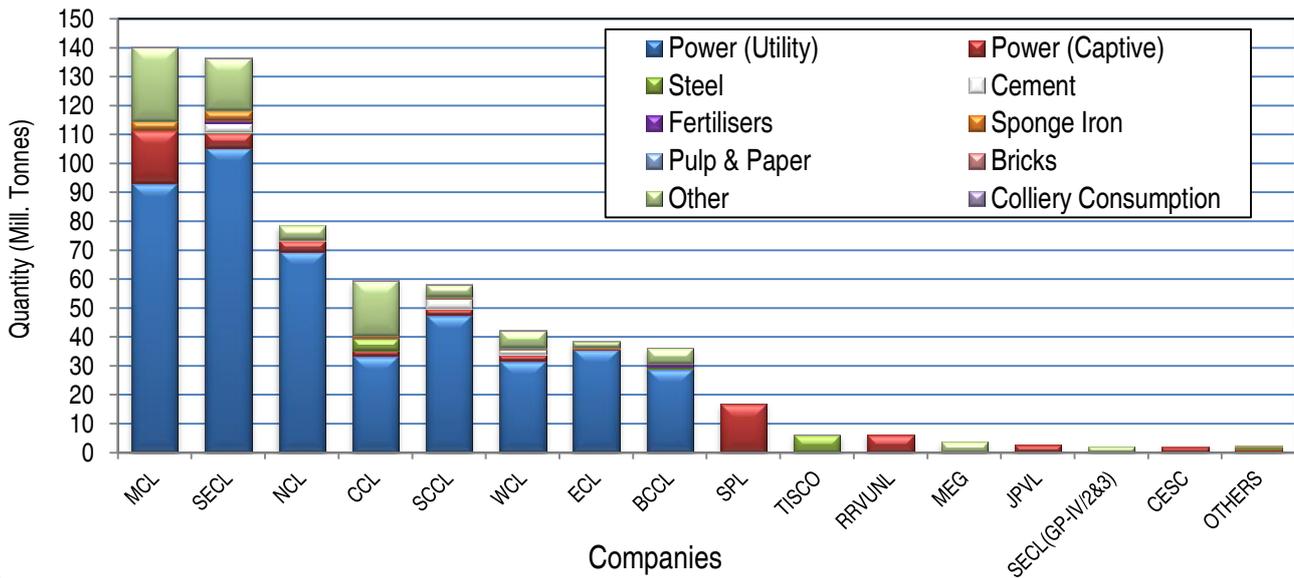


Chart - V : Import of Coal (Coking and Non-coking) and Coke during last Ten Years

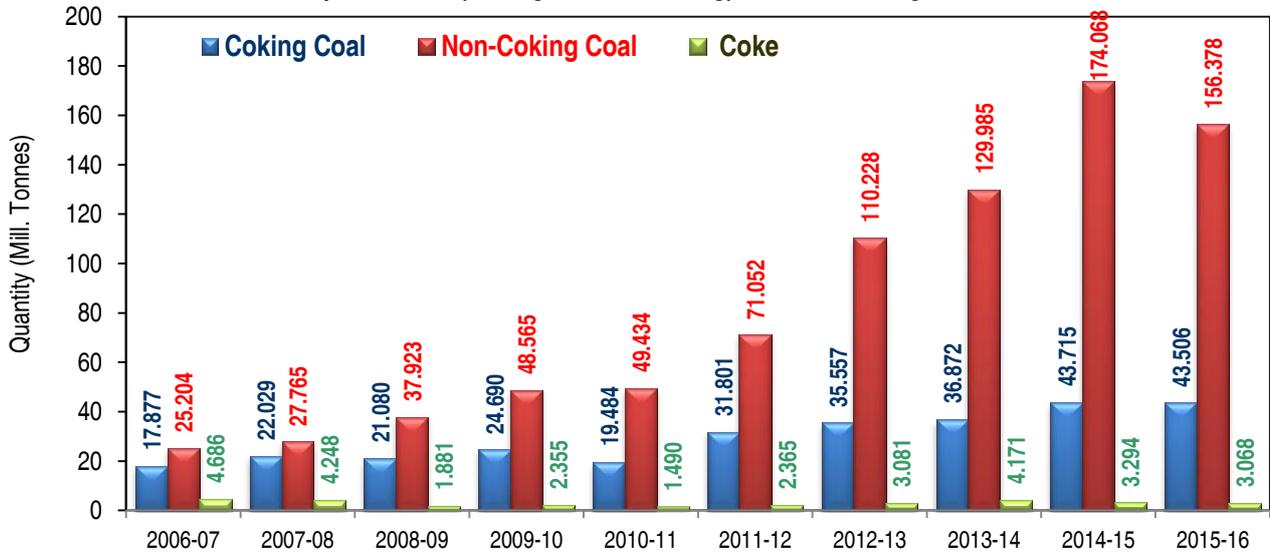
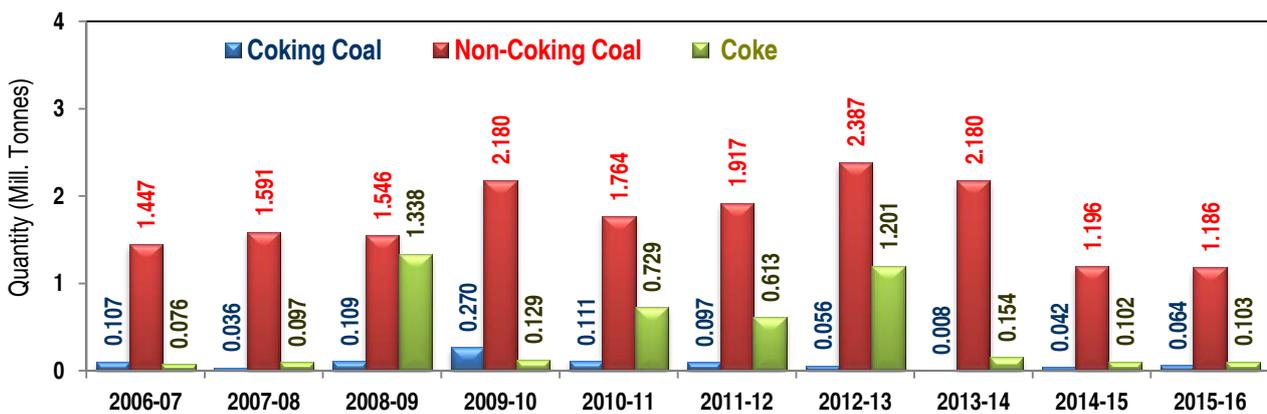


Chart - VI : Export of Coal (Coking and Non-coking) and Coke during last Ten Years



**Table 1.1: All India Coal Demand (BE) and Supply - Sectorwise: 2015-16**

(Quantity in MillionTonnes)

Sector	Demand ( BE )	Actual Supply			Achievement
		Indigenous	Import	Total	
<b>I. Coking Coal</b>					
1 Steel / Coke Oven/ Private Cokeries	N.A.	12.95		12.95	-
2 Import	N.A.		43.51	43.51	-
<b>Sub Total (Raw Coal)</b>	<b>77.00</b>	<b>12.95</b>	<b>43.51</b>	<b>56.45</b>	<b>73.3%</b>
<b>II. Non Coking Coal</b>					
3 Power (Utilities)	604.00	445.98		445.98	73.8%
4 Power (Captive) [CPP]*	69.00	64.56		64.56	93.6%
5 Sponge Iron	34.00	7.76		7.76	22.8%
6 Cement	38.00	8.93		8.93	23.5%
7 Others	88.00	91.99		91.99	104.5%
8 Coll. Consumption		0.34		0.34	-
<b>Sub-total (Raw Coal)</b>	<b>833.00</b>	<b>619.56</b>	<b>156.38</b>	<b>775.94</b>	<b>93.1%</b>
<b>III. Total Raw Coal Offtake</b>	<b>910.00</b>	<b>632.50</b>	<b>199.88</b>	<b>832.39</b>	<b>91.5%</b>

Note:

1 Sectorwise Demand as per Annual Plan of Min. of Coal, GOI.

2 Import of Coal (Provisional) for the year 2015-16 (Source DGCIS)

\* CPP includes despatch to Fertilizer Sector.

**Table 1.2: Supply Plan of Indigenous Coal - Sourcewise in 2015-16**

(Quantity in MillionTonnes)

Source of Supply	Supply Plan (BE)	Actual supply	Achievement
1 ECL	42.13	38.606	91.6%
2 BCCL	38.85	36.213	93.2%
3 CCL	60.60	59.583	98.3%
4 NCL	78.10	78.532	100.6%
5 WCL	45.10	42.310	93.8%
6 SECL	137.00	136.596	99.7%
7 MCL	150.00	140.219	93.5%
8 NEC	1.22	0.342	28.0%
<b>9 Total CIL</b>	<b>553.00</b>	<b>532.401</b>	<b>96.3%</b>
10 SCCL	56.00	58.272	104.1%
11 <b>Others</b>	94.00	41.831	44.5%
<b>All India Indigenous Coal Supply</b>	<b>703.00</b>	<b>632.504</b>	<b>90.0%</b>
<b>Total Coal Supply / Availability</b>			
	BE (2015-16)	Actual	Achievement
a. Demand	910.00	832.39	91.5%
b. Indegenous Supply	703.00	632.50	90.0%
c. Materialisation through Import	207.00	199.88	96.6%
d. Total Supply/ Availability	910.00	832.39	91.5%
e. Overall Demand - Supply Gap	0	78	

Demand &amp; Supply Plan is as per Annual Plan 2015-16 of MOC and Actual is from Sectorwise Off-take table.

**Table 1.3: Indigenous Coal Supply Plan (BE) & Achievement : 2015-16**

(Quantity in MillionTonnes)

Sector	BE (2015-16) \$				Actual				Achievement ( %)			
	CIL	SCCL	Others	Total	CIL	SCCL	Others	Total	CIL	SCCL	Others	Total
<b>I. Coking Coal</b>												
1 Steel (Indigenous)	6.72	0.00	13.87	20.59	5.911	0.117	6.918	12.946	88%		50%	63%
2 Private Cokeries/												
<b>Sub Total (R/C)</b>	<b>6.72</b>	<b>0.00</b>	<b>13.87</b>	<b>20.59</b>	<b>5.911</b>	<b>0.117</b>	<b>6.918</b>	<b>12.946</b>	<b>88%</b>		<b>50%</b>	<b>63%</b>
<b>II. Non Coking Coal</b>												
3 Power (Utilities)	430.00	36.00	6.28	472.28	398.201	47.563	0.215	445.979	93%	132%	3%	94%
4 Power (Captive) CPP)#	36.18	4.20	38.15	78.53	33.872	2.110	28.580	64.562	94%	50%	75%	82%
5 Sponge Iron/ CDI	9.77	0.62	6.92	17.31	7.537	0.098	0.128	7.763	77%	16%	2%	45%
6 Cement	6.65	7.50	0.04	14.19	5.226	3.668	0.032	8.926	79%	49%	80%	63%
7 Others	60.32	7.60	28.71	96.63	81.354	4.682	5.957	91.993	135%	62%	21%	95%
8 Coll. Consumption	0.37	0.08	0.00	0.45	0.300	0.034	0.001	0.335	81%	43%		74%
<b>Sub-total (R/C)</b>	<b>543.29</b>	<b>56.00</b>	<b>80.10</b>	<b>679.39</b>	<b>526.490</b>	<b>58.155</b>	<b>34.913</b>	<b>619.558</b>	<b>97%</b>	<b>104%</b>	<b>44%</b>	<b>91%</b>
<b>III. Total Raw Coal</b>	<b>550.01</b>	<b>56.00</b>	<b>93.97</b>	<b>699.98</b>	<b>532.401</b>	<b>58.272</b>	<b>41.831</b>	<b>632.504</b>	<b>97%</b>	<b>104%</b>	<b>45%</b>	<b>90%</b>

\$ Based on Annual Plan 2015-16 of MOC.

# CPP Includes Despatch to Fertilizer Sector.

**TABLE 1.4 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF RAW COAL & LIGNITE DURING 2014-15 & 2015-16**  
(Quantity in Million Tonnes)

Availability (within India)	2014-15	2015-16	Supply (within India)	2014-15				2015-16			
				Raw Coal	Lignite	Imported Coal	Total	Raw Coal	Lignite	Importe d Coal	Total
<b>(A) Production</b>			Sectors								
Coking Coal	57.446	60.887									
Non-coking Coal	551.733	578.347									
Lignite	48.270	43.843	Steel & Washery	12.522	0.023	43.715	<b>56.260</b>	12.946	0.000	43.506	<b>56.452</b>
<b>Total</b>	<b>657.449</b>	<b>683.077</b>	Power (Utility+Captive)	497.701	39.473	N.A.	<b>537.174</b>	508.246	37.809	N.A.	<b>546.055</b>
<b>(B) Change of Vendible Stock (Closing - Opening)</b>			Cement	11.357	1.274	N.A.	<b>12.631</b>	8.926	0.248	N.A.	<b>9.174</b>
Coking Coal	0.552	1.759	Textile	0.415	2.887		<b>3.302</b>	0.268	1.728		<b>1.996</b>
Non-coking Coal	3.323	3.645	Sponge Iron	17.766			<b>17.766</b>	7.763			<b>7.763</b>
Lignite	1.316	1.633	Fertilizer & Chem.	2.293	0.379		<b>2.672</b>	2.626	0.272		<b>2.898</b>
<b>Total Change (Cl - Op)</b>	<b>5.191</b>	<b>7.037</b>	Paper	1.648	0.650		<b>2.298</b>	1.201	0.437		<b>1.638</b>
<b>(C) Import</b>			Brick	0.091	0.671		<b>0.762</b>	0.077	0.393		<b>0.470</b>
Coking Coal	43.715	43.506	Others	59.979	1.597	156.378	<b>217.954</b>	90.116	1.325	156.378	<b>247.819</b>
Non-coking Coal	156.378	156.378	Colliery Consmn.	0.576			<b>0.576</b>	0.335			<b>0.335</b>
<b>Total Raw Coal</b>	<b>200.094</b>	<b>199.884</b>	<b>Total Off-take</b>	<b>604.348</b>	<b>46.954</b>	<b>200.094</b>	<b>851.396</b>	<b>632.504</b>	<b>42.212</b>	<b>199.884</b>	<b>874.600</b>
<b>(D) Export</b>	<b>1.238</b>	<b>1.250</b>									
			Statistical Difference				<b>-0.282</b>				<b>0.074</b>
<b>(E) Total Availability</b>	<b>851.113</b>	<b>874.675</b>	<b>Total Supply</b>				<b>851.113</b>				<b>874.675</b>

**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.

**TABLE-1.5 : TOTAL PRIMARY SUPPLY (TPS) OF COAL & LIGNITE : 2006-07 to 2015-16 (Mill Tonnes)**

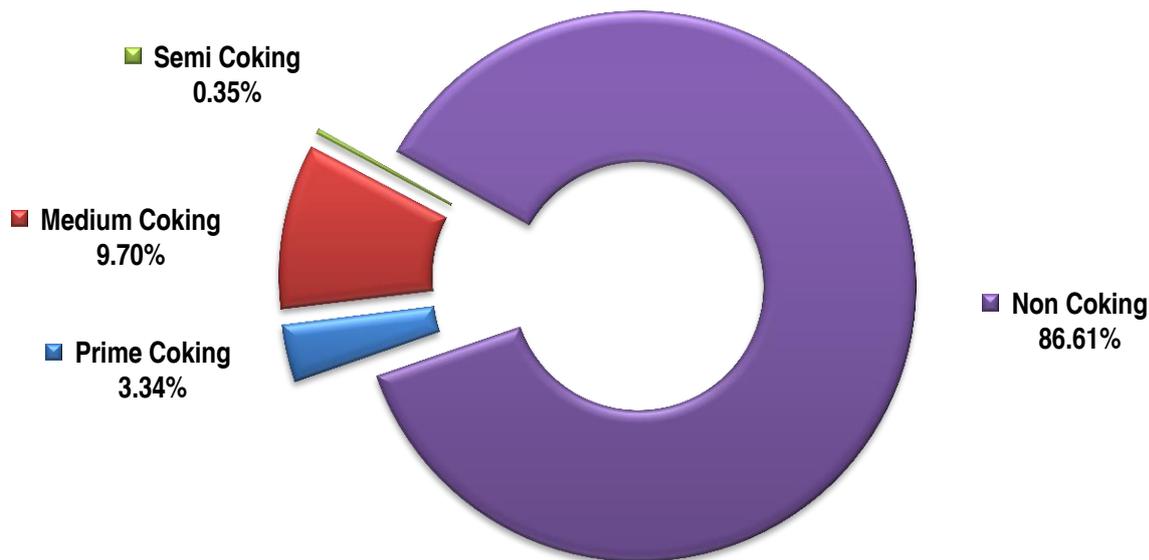
Year	Fuel type	Production	Imports	Exports	Net Import	Opening Stock	Closing Stock	Stock Change	T P S
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2006-07	Coal	430.832	43.081	1.554	41.527	34.334	44.348	-10.014	462.345
	Lignite	31.285			0.000	0.525	1.002	-0.477	30.808
	Total	462.117	43.081	1.554	41.527	34.859	45.350	-10.491	493.153
2007-08	Coal	457.082	49.794	1.627	48.167	44.348	46.779	-2.431	502.818
	Lignite	33.980			0.000	1.002	0.328	0.674	34.654
	Total	491.062	49.794	1.627	48.167	45.350	47.107	-1.757	537.472
2008-09	Coal	492.757	59.003	1.655	57.348	46.779	47.317	-0.538	549.567
	Lignite	32.421			0.000	0.328	0.903	-0.575	31.846
	Total	525.178	59.003	1.655	57.348	47.107	48.220	-1.113	581.413
2009-10	Coal	532.042	73.255	2.454	70.801	47.317	64.863	-17.546	585.297
	Lignite	34.071				0.903	0.565	0.338	34.409
	Total	566.113	73.255	2.454	70.801	48.220	65.428	-17.208	619.706
2010-11	Coal	532.694	68.918	4.409	64.509	64.863	72.192	-7.329	589.874
	Lignite	37.733				0.565	0.610	-0.045	37.688
	Total	570.427	68.918	4.409	64.509	65.428	72.802	-7.374	627.562
2011-12	Coal	539.950	102.853	2.014	100.839	72.192	74.040	1.848	642.637
	Lignite	42.332				0.610	1.051	0.441	42.773
	Total	582.282	102.853	2.014	100.839	72.802	75.091	2.289	685.410
2012-13	Coal	556.402	145.785	2.443	143.342	74.040	63.049	-10.991	688.753
	Lignite	46.453	0.001	0.069	-0.068	1.051	1.493	0.442	46.827
	Total	602.855	145.786	2.512	143.274	75.091	64.542	-10.549	735.580
2013-14	Coal	565.766	168.439	2.153	166.286	63.049	55.178	-7.871	724.181
	Lignite	44.271	0.001	0.002	-0.001	1.493	1.860	0.367	44.637
	Total	610.037	168.440	2.155	166.285	64.542	57.038	-7.504	768.818
2014-15	Coal	612.435	212.103	1.238	210.865	55.178	59.389	4.211	827.511
	Lignite	48.257	0.001	0.003	-0.002	1.860	3.176	1.316	49.571
	Total	660.692	212.104	1.241	210.863	57.038	62.565	5.527	877.082
2015-16	Coal	639.234	199.884	1.250	198.635	59.389	64.793	5.404	843.273
	Lignite	43.843	0.001	0.001	0.001	3.176	4.809	1.633	45.477
	Total	683.077	199.885	1.250	198.635	62.565	69.602	7.037	888.749

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.

**TABLE - 1.6: INVENTORY OF GEOLOGICAL RESERVE OF COAL BY TYPE AS ON 1<sup>st</sup> APRIL 2014, 2015 & 2016**

Type of Coal	As on	Reserve (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)
Prime Coking	01/04/2014	4,614	699	0.00	<b>5,313</b>
	01/04/2015	4,614	699	0.00	<b>5,313</b>
	01/04/2016	4,614	699	0.00	<b>5,313</b>
Medium Coking	01/04/2014	13,303	11,867	1,879	<b>27,049</b>
	01/04/2015	13,389	12,114	1,879	<b>27,382</b>
	01/04/2016	13,389	12,114	1,879	<b>27,382</b>
Blendable / Semi Coking	01/04/2014	482	1,004	222	<b>1,708</b>
	01/04/2015	482	1,004	222	<b>1,708</b>
	01/04/2016	482	1,004	222	<b>1,708</b>
Non Coking (Including High Sulphur )	01/04/2014	1,07,509	1,28,937	31,047	<b>2,67,494</b>
	01/04/2015	1,13,129	1,29,425	29,638	<b>2,72,192</b>
	01/04/2016	1,19,602	1,25,335	29,462	<b>2,74,398</b>
<b>Total</b>	<b>01/04/2014 *</b>	<b>1,25,909</b>	<b>1,42,506</b>	<b>33,148</b>	<b>3,01,564</b>
	<b>01/04/2015 *</b>	<b>1,31,614</b>	<b>1,43,241</b>	<b>31,739</b>	<b>3,06,596</b>
	<b>01/04/2016 *</b>	<b>1,38,087</b>	<b>1,39,151</b>	<b>31,563</b>	<b>3,08,802</b>

**DISTRIBUTION OF PROVED RESERVE OF COAL IN INDIA AS ON 01/04/2016**



\* Including Sikkim

Source: Geological Survey of India

**TABLE - 1.7: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2014, 2015 & 2016**

(Quantity in Million Tonnes)

State	As on	Resources				State	As on	Resources			
		Proved	Indicated	Inferred	Total			Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)	(1)	(2)	(3)	(4)	(5)	(6)
<b>GONDAWANA COALFIELDS</b>						<b>TERTIARY COAL FIELDS</b>					
ASSAM	1/4/2014	0	4	0	<b>4</b>	ARUNACHAL PRADESH	1/4/2014	31	40	19	<b>90</b>
	1/4/2015	0	4	0	<b>4</b>		1/4/2015	31	40	19	<b>90</b>
	1/4/2016	0	14	0	<b>14</b>		1/4/2016	31	40	19	<b>90</b>
ANDHRA PRADESH	1/4/2014	9,729	9,670	3,068	<b>22,468</b>	ASSAM	1/4/2014	465	43	3	<b>511</b>
	1/4/2015	0	1,149	432	<b>1,581</b>		1/4/2015	465	43	3	<b>511</b>
	1/4/2016	0	1,149	432	<b>1,581</b>		1/4/2016	465	43	3	<b>511</b>
JHARKHAND	1/4/2014	41,377	32,780	6,559	<b>80,716</b>	MEGHALAYA	1/4/2014	89	17	471	<b>576</b>
	1/4/2015	41,463	33,026	6,559	<b>81,049</b>		1/4/2015	89	17	471	<b>576</b>
	1/4/2016	42,323	32,301	6,548	<b>81,172</b>		1/4/2016	89	17	471	<b>576</b>
BIHAR	1/4/2014	0	0	160	<b>160</b>	NAGALAND	1/4/2014	9	0	307	<b>315</b>
	1/4/2015	0	0	160	<b>160</b>		1/4/2015	9	0	307	<b>315</b>
	1/4/2016	0	0	160	<b>160</b>		1/4/2016	9	0	307	<b>315</b>
MADHYA PRADESH	1/4/2014	10,411	12,382	2,879	<b>25,673</b>	TERTIARY Coalfields	1/4/2014	594	99	799	<b>1,493</b>
	1/4/2015	10,411	12,784	3,341	<b>26,536</b>		1/4/2015	594	99	799	<b>1,493</b>
	1/4/2016	10,918	12,696	3,293	<b>26,907</b>		1/4/2016	594	99	799	<b>1,493</b>
CHHATTISGARH	1/4/2014	16,052	33,253	3,228	<b>52,533</b>	<b>INDIA</b>	<b>1/4/2014</b>	<b>1,25,909</b>	<b>1,42,506</b>	<b>33,148</b>	<b>3,01,564</b>
	1/4/2015	18,237	34,390	2,285	<b>54,912</b>		<b>1/4/2015</b>	<b>1,38,087</b>	<b>1,39,151</b>	<b>31,563</b>	<b>3,08,801</b>
	1/4/2016	19,136	34,614	2,287	<b>56,036</b>		<b>1/4/2016</b>	<b>1,38,087</b>	<b>1,39,151</b>	<b>31,564</b>	<b>3,08,802</b>
MAHARASHTRA	1/4/2014	5,667	3,186	2,110	<b>10,964</b>	Singrimari coalfield of Assam (Non-Coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.					
	1/4/2015	5,953	3,190	2,110	<b>11,253</b>						
	1/4/2016	6,208	3,151	2,077	<b>11,436</b>						
ODISHA	1/4/2014	27,791	37,873	9,408	<b>75,073</b>						
	1/4/2015	30,747	36,545	8,507	<b>75,799</b>						
	1/4/2016	34,295	33,284	8,318	<b>75,896</b>						
SIKKIM	1/4/2014	0	58	43	<b>101</b>						
	1/4/2015	0	58	43	<b>101</b>						
	1/4/2016	0	58	43	<b>101</b>						
UTTAR PRADESH	1/4/2014	884	178	0	<b>1,062</b>						
	1/4/2015	884	178	0	<b>1,062</b>						
	1/4/2016	884	178	0	<b>1,062</b>						
TELANGANA	1/4/2015	9,807	9957	3029	<b>22,792</b>						
	1/4/2016	10,128	8,586	2,700	<b>21,415</b>						
WEST BENGAL	1/4/2014	13,403	13,022	4,893	<b>31,318</b>						
	1/4/2015	12,864	12,588	4,739	<b>30,190</b>						
	1/4/2016	13,602	13,021	4,907	<b>31,529</b>						
<b>GONDAWANA</b>	<b>1/4/2014</b>	<b>1,25,315</b>	<b>1,42,407</b>	<b>32,350</b>	<b>3,00,072</b>						
	<b>1/4/2015</b>	<b>1,37,493</b>	<b>1,39,052</b>	<b>30,764</b>	<b>3,07,310</b>						
	<b>1/4/2016</b>	<b>1,37,493</b>	<b>1,39,052</b>	<b>30,764</b>	<b>3,07,309</b>						

Source: Geological Survey of India

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

**TABLE - 1.8 : STATEWISE INVENTORY OF GEOLOGICAL RESERVE OF LIGNITE  
AS ON 1st APRIL 2014, 2015 & 2016**

State	As on	Resources (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	<b>Total</b>
(2)	(1)	(3)	(4)	(5)	(6)
Gujarat	01/04/2014	1278.65	283.70	1159.70	<b>2722.05</b>
	01/04/2015	1278.65	283.70	1159.70	<b>2722.05</b>
	01/04/2016	1278.65	283.70	1159.70	<b>2722.05</b>
J & K	01/04/2014	0.00	20.25	7.30	<b>27.55</b>
	01/04/2015	0.00	20.25	7.30	<b>27.55</b>
	01/04/2016	0.00	20.25	7.30	<b>27.55</b>
Kerala	01/04/2014	0.00	0.00	9.65	<b>9.65</b>
	01/04/2015	0.00	0.00	9.65	<b>9.65</b>
	01/04/2016	0.00	0.00	9.65	<b>9.65</b>
Pondicherry	01/04/2014	0.00	405.61	11.00	<b>416.61</b>
	01/04/2015	0.00	405.61	11.00	<b>416.61</b>
	01/04/2016	0.00	405.61	11.00	<b>416.61</b>
Rajasthan	01/04/2014	1167.02	2671.93	1881.39	<b>5720.35</b>
	01/04/2015	1168.53	2670.84	1887.34	<b>5726.71</b>
	01/04/2016	1168.53	2670.84	1896.60	<b>5735.97</b>
Tamilnadu	01/04/2014	3735.23	22900.05	7712.43	<b>34347.71</b>
	01/04/2015	3735.23	22900.05	8573.62	<b>35208.90</b>
	01/04/2016	3735.23	22991.17	8953.53	<b>35679.93</b>
West Bengal	01/04/2014	0.00	1.13	1.64	<b>2.77</b>
	01/04/2015	0.00	1.13	1.64	<b>2.77</b>
	01/04/2016	0.00	1.13	1.64	<b>2.77</b>
<b>All India</b>	<b>01/04/2014</b>	<b>6180.90</b>	<b>26282.67</b>	<b>10783.11</b>	<b>43246.68</b>
	<b>01/04/2015</b>	<b>6182.41</b>	<b>26281.58</b>	<b>11650.25</b>	<b>44114.24</b>
	<b>01/04/2016</b>	<b>6182.41</b>	<b>26372.70</b>	<b>12039.42</b>	<b>44594.53</b>

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

**TABLE: 1.9 - PERCENTAGE CHANGE IN ACTUAL OVER PROVISIONAL DURING LAST FIVE YEARS**  
(Quantity in Million Tonnes)

Year	Item	Production				Despatch			
		Coking Coal	Non-coking Coal	Total Coal	Lignite	Coking Coal	Non-coking Coal	Total Coal	Lignite
2011-12	Provisional	51.654	488.286	<b>539.940</b>	43.105	51.528	483.624	<b>535.152</b>	42.500
	Actual	51.660	488.290	<b>539.950</b>	42.332	51.723	483.576	<b>535.299</b>	41.883
	Change(A-P)	0.01%	0.00%	<b>0.00%</b>	-1.79%	0.38%	-0.01%	<b>0.03%</b>	-1.45%
2012-13	Provisional	51.834	505.873	<b>557.707</b>	46.598	55.212	514.555	<b>569.767</b>	46.312
	Actual	51.582	504.820	<b>556.402</b>	46.453	55.859	511.277	<b>567.136</b>	46.313
	Change(A-P)	-0.49%	-0.21%	<b>-0.23%</b>	-0.31%	1.17%	-0.64%	<b>-0.46%</b>	0.00%
2013-14	Provisional	56.818	508.948	<b>565.766</b>	44.271	58.302	512.949	<b>571.251</b>	43.897
	Actual	56.818	508.947	<b>565.765</b>	44.271	58.464	513.596	<b>572.06</b>	43.897
	Change(A-P)	0.00%	0.00%	<b>0.00%</b>	0.00%	0.28%	0.13%	<b>0.14%</b>	0.00%
2014-15	Provisional	57.451	554.984	<b>612.435</b>	48.257	56.614	551.016	<b>607.630</b>	46.941
	Final	57.446	551.733	<b>609.179</b>	48.270	56.438	547.334	<b>603.772</b>	46.954
	Change(A-P)	-0.01%	-0.59%	<b>-0.53%</b>	0.03%	-0.31%	-0.67%	<b>-0.63%</b>	0.03%
2015-16	Provisional	60.887	578.347	<b>639.234</b>	43.843	59.213	572.956	<b>632.169</b>	42.212

N.B : P=Provisional, A=Actual

**TABLE - 2.1: TRENDS OF PRODUCTION OF COAL AND LIGNITE DURING LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	Raw Coal		Lignite		Total Solid Fossil Fuel	
	Production	Growth (%)	Production	Growth (%)	Production	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2006-07	430.832	5.85	31.285	3.50	462.117	5.68
2007-08	457.082	6.09	33.980	8.61	491.062	6.26
2008-09	492.757	7.80	32.421	4.59	525.178	6.95
2009-10	532.042	7.97	34.071	5.09	566.113	7.79
2010-11	532.694	0.12	37.733	10.75	570.427	0.76
2011-12	539.950	1.36	42.332	12.19	582.282	2.08
2012-13	556.402	3.05	46.453	9.73	602.855	3.53
2013-14	565.765	1.68	44.271	-4.70	610.036	1.19
2014-15	609.179	7.67	48.270	9.03	657.449	7.77
2015-16	639.234	4.93	43.843	-9.17	683.077	3.90

**TABLE - 2.2 : TRENDS OF PRODUCTION OF COAL BY TYPE DURING LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	Metallurgical Coal		Total Coking Coal		Non Coking Coal		Raw Coal	
	Production	Growth	Production	Growth	Production	Growth	Production	Growth
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2006-07	17.231	0.63	32.097	1.86	398.735	6.18	430.832	5.85
2007-08	18.065	4.84	34.455	7.35	422.627	5.99	457.082	6.09
2008-09	17.301	-4.20	33.809	1.00	457.948	8.40	492.757	7.84
2009-10	17.731	2.49	44.413	31.36	487.629	6.48	532.042	7.97
2010-11	17.695	-0.20	49.547	11.56	483.147	-0.92	532.694	0.12
2011-12	16.239	-8.23	51.660	4.26	488.290	1.06	539.950	1.36
2012-13	14.547	-10.42	51.582	-0.15	504.820	3.39	556.402	3.05
2013-14	15.114	3.90	56.818	10.15	508.947	0.82	565.765	1.68
2014-15	13.784	-8.80	57.446	1.11	551.733	8.41	609.179	7.67
2015-16	14.842	7.68	60.887	5.99	578.347	4.82	639.234	4.93

Note: Growth of year is calculated as percentage of increase or decrease (-) over last year

**TABLE - 2.3 : TREND OF PRODUCTION OF COAL PRODUCTS BY TYPE DURING LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	Washed Coal (Coking)		Washed Coal (Non-Coking)		Middlings (Coking)		Middlings (Non-Coking)		Hard Coke	
	Production	Growth	Production	Growth	Production	Growth	Production	Growth	Production	Growth
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
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	12.880	1.7
2011-12	6.496	-6.6	15.437	6.2	3.674	-20.9	3.669	2.2	14.330	11.3
2012-13	6.550	0.8	14.190	-8.1	5.464	48.7	3.825	4.3	11.694	-18.4
2013-14	6.614	1.0	15.699	10.6	4.913	-10.1	3.926	2.6	12.606	7.8
2014-15	6.011	-9.1	17.294	10.2	4.721	-3.9	3.742	-4.7	14.355	13.9
2015-16	6.182	2.8	17.119	-1.0	5.525	17.0	0 *	-	14.178	-1.2

**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. Private sector are not covered as data are not readily available.

\* JSPL & SEML Companies (sources of Middlings Non-coking) are ceased to exist any more.

**TABLE 2.4: MONTHLY PRODUCTION OF DIFFERENT TYPES OF RAW COAL AND LIGNITE IN 2015-16**

(Quantity in 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)
<b>2015-16</b>												
Apr-15	4.616	-1.1	7.6	44.022	7.9	7.6	48.638	7.0	7.6	2.927	-24.6	6.7
May-15	4.546	-5.9	7.5	44.993	11.0	7.8	49.539	9.2	7.7	3.554	-24.6	8.1
Jun-15	4.388	2.0	7.2	42.297	7.9	7.3	46.685	7.3	7.3	3.484	-18.2	7.9
<b>1st Quarter</b>	<b>13.550</b>	<b>-1.8</b>	<b>22.3</b>	<b>131.312</b>	<b>8.9</b>	<b>22.7</b>	<b>144.862</b>	<b>7.8</b>	<b>22.7</b>	<b>9.965</b>	<b>-22.5</b>	<b>22.7</b>
Jul-15	4.155	6.5	6.8	38.036	0.0	6.6	42.191	0.6	6.6	3.077	-0.5	7.0
Aug-15	4.264	3.2	7.0	39.431	0.7	6.8	43.695	1.0	6.8	3.393	-2.0	7.7
Sep-15	4.365	6.0	7.2	40.691	2.4	7.0	45.056	2.8	7.0	3.114	6.5	7.1
<b>2nd Quarter</b>	<b>12.784</b>	<b>5.2</b>	<b>21.0</b>	<b>118.158</b>	<b>1.1</b>	<b>20.4</b>	<b>130.942</b>	<b>1.5</b>	<b>20.5</b>	<b>9.584</b>	<b>1.1</b>	<b>21.9</b>
Oct-15	4.759	4.5	7.8	47.349	5.5	8.2	52.108	5.4	8.2	3.679	25.2	8.4
Nov-15	5.266	9.0	8.6	51.598	4.3	8.9	56.864	4.8	8.9	2.327	-30.7	5.3
Dec-15	5.831	16.2	9.6	55.656	4.5	9.6	61.487	5.5	9.6	3.052	-26.0	7.0
<b>3rd Quarter</b>	<b>15.856</b>	<b>10.1</b>	<b>26.0</b>	<b>154.603</b>	<b>4.8</b>	<b>26.7</b>	<b>170.459</b>	<b>5.2</b>	<b>26.7</b>	<b>9.058</b>	<b>-13.1</b>	<b>20.7</b>
Jan-16	5.890	13.6	9.7	56.860	8.3	9.8	62.750	8.8	9.8	4.434	-3.4	10.1
Feb-16	6.065	11.8	10.0	54.192	3.3	9.4	60.257	4.1	9.4	5.068	7.6	11.6
Mar-16	6.742	4.0	11.1	63.222	2.4	10.9	69.964	2.5	10.9	5.734	-7.8	13.1
<b>4th Quarter</b>	<b>18.697</b>	<b>9.4</b>	<b>30.7</b>	<b>174.274</b>	<b>4.6</b>	<b>30.1</b>	<b>192.971</b>	<b>5.0</b>	<b>30.2</b>	<b>15.236</b>	<b>-1.8</b>	<b>34.8</b>
<b>2015-16</b>	<b>60.887</b>	<b>6.0</b>	<b>106.0</b>	<b>578.347</b>	<b>4.8</b>	<b>104.8</b>	<b>639.234</b>	<b>4.9</b>	<b>104.9</b>	<b>43.843</b>	<b>-9.2</b>	<b>90.8</b>

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

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

Cont....

**TABLE 2.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN 2015-16**

(Quantity in Million Tonnes)

MONTH	Washed Coal(Coking)			Washed Coal(N-coking)			Middlings(coking)			Middlings(N-coking) #			Hard Coke		
	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
<b>2015-16</b>															
Apr-15	0.492	-6.5	8.0	1.049	1.5	6.1	0.427	23.8	7.7	0.000	0.0	0.0	1.225	8.8	8.6
May-15	0.508	4.3	8.2	1.156	-10.4	6.8	0.377	15.6	6.8	0.000	0.0	0.0	1.257	3.4	8.9
Jun-15	0.487	1.2	7.9	1.248	-9.2	7.3	0.438	26.6	7.9	0.000	0.0	0.0	1.217	8.7	8.6
<b>1st Quarter</b>	<b>1.487</b>	<b>-0.5</b>	<b>24.1</b>	<b>3.453</b>	<b>-6.7</b>	<b>20.2</b>	<b>1.242</b>	<b>22.1</b>	<b>22.5</b>	<b>0.000</b>	<b>0.0</b>	<b>0.0</b>	<b>3.699</b>	<b>6.8</b>	<b>26.1</b>
Jul-15	0.507	5.8	8.2	1.142	-22.9	6.7	0.456	18.4	8.3	0.000	0.0	0.0	1.244	4.7	8.8
Aug-15	0.488	10.2	7.9	1.141	-12.5	6.7	0.406	9.1	7.3	0.000	0.0	0.0	1.246	3.3	8.8
Sep-15	0.527	-0.4	8.5	1.509	10.5	8.8	0.378	-2.1	6.8	0.000	0.0	0.0	1.169	-3.1	8.2
<b>2nd Quarter</b>	<b>1.522</b>	<b>4.9</b>	<b>24.6</b>	<b>3.792</b>	<b>-8.6</b>	<b>22.2</b>	<b>1.240</b>	<b>8.5</b>	<b>22.4</b>	<b>0.000</b>	<b>0.0</b>	<b>0.0</b>	<b>3.659</b>	<b>1.6</b>	<b>25.8</b>
Oct-15	0.506	0.6	8.2	1.440	-6.3	8.4	0.502	27.4	9.1	0.000	0.0	0.0	1.136	0.8	8.0
Nov-15	0.525	3.1	8.5	1.546	4.6	9.0	0.483	15.3	8.7	0.000	0.0	0.0	1.181	4.0	8.3
Dec-15	0.577	9.3	9.3	1.640	-4.5	9.6	0.540	26.2	9.8	0.000	0.0	0.0	1.124	-9.1	7.9
<b>3rd Quarter</b>	<b>1.608</b>	<b>4.4</b>	<b>26.0</b>	<b>4.626</b>	<b>-2.2</b>	<b>27.0</b>	<b>1.525</b>	<b>22.9</b>	<b>27.6</b>	<b>0.000</b>	<b>0.0</b>	<b>0.0</b>	<b>3.441</b>	<b>-1.7</b>	<b>24.3</b>
Jan-16	0.551	-0.5	8.9	1.901	12.6	11.1	0.531	22.9	9.6	0.000	0.0	0.0	1.188	-7.3	8.4
Feb-16	0.513	3.6	8.3	1.514	3.8	8.8	0.454	16.1	8.2	0.000	0.0	0.0	1.015	-13.1	7.2
Mar-16	0.501	-6.5	8.1	1.833	16.9	10.7	0.533	1.3	9.6	0.000	0.0	0.0	1.176	-8.1	8.3
<b>4th Quarter</b>	<b>1.565</b>	<b>-1.3</b>	<b>25.3</b>	<b>5.248</b>	<b>11.3</b>	<b>30.7</b>	<b>1.518</b>	<b>12.5</b>	<b>27.5</b>	<b>0.000</b>	<b>0.0</b>	<b>0.0</b>	<b>3.379</b>	<b>-9.4</b>	<b>23.8</b>
<b>2015-16</b>	<b>6.182</b>	<b>1.8</b>	<b>101.8</b>	<b>17.119</b>	<b>-1.0</b>	<b>99.0</b>	<b>5.525</b>	<b>16.3</b>	<b>116.3</b>	<b>0.000</b>	<b>0.0</b>	<b>0.0</b>	<b>14.178</b>	<b>-0.8</b>	<b>99.2</b>

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 &amp; Middling relate to coal companies (private&amp; public). Washeries not owned by coal companies are not included here.

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

# JSPL &amp; SEML Companies (sources of Middlings Non-coking) are ceased to exist any more.

**TABLE 2.6 : SHARE OF RAW COAL PRODUCTION BY STATES IN LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	State: Arunachal Pradesh			State: Assam			State: Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2006-07				1.050	0.2	-4.6	83.241	19.3	9.0
2007-08	0.079	0.0	0.0	1.101	0.2	4.9	90.172	19.7	8.3
2008-09	0.142	0.0	79.7	1.009	0.2	-8.4	101.922	20.7	13.0
2009-10	0.251	0.0	76.8	1.113	0.2	10.3	109.953	20.7	7.9
2010-11	0.299	0.1	19.1	1.101	0.2	-1.1	113.825	21.4	3.5
2011-12	0.221	0.0	-26.1	0.602	0.1	-45.3	113.958	21.1	0.1
2012-13	0.073	0.0	-67.0	0.605	0.1	0.5	117.830	21.2	3.4
2013-14	0.000	0.0	-	0.664	0.1	9.8	127.095	22.5	7.9
2014-15	0.000	0.0	-	0.779	0.1	17.3	134.764	22.1	6.0
2015-16	0.000	0.0	-	0.486	0.1	-37.6	130.605	20.4	-3.1

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)
2006-07	0.016	0.0	-15.8	88.764	20.6	3.9	59.726	13.9	7.5
2007-08	0.017	0.0	6.3	90.895	19.9	2.4	67.841	14.8	13.6
2008-09	0.011	0.0	-35.3	96.272	19.5	5.9	71.325	14.5	5.1
2009-10	0.023	0.0	109.1	105.917	19.9	10.0	74.074	13.9	3.9
2010-11	0.023	0.0	0.0	108.949	20.5	2.9	71.104	13.3	-4.0
2011-12	0.020	0.0	-13.0	109.566	20.3	0.6	71.123	13.2	0.0
2012-13	0.019	0.0	-5.0	111.274	20.0	1.6	75.948	13.6	6.8
2013-14	0.019	0.0	0.0	113.091	20.0	1.6	75.590	13.4	-0.5
2014-15	0.013	0.0	-31.6	124.143	20.4	9.8	87.609	14.4	15.9
2015-16	0.015	0.0	15.4	121.067	18.9	-2.5	107.714	16.9	22.9

Year	State: Maharashtra			State: Meghalaya			State: Odisha		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2006-07	36.215	8.4	0.3	5.787	1.3	3.8	81.160	18.8	15.1
2007-08	36.403	8.0	0.5	6.541	1.4	11.5	89.482	19.6	10.3
2008-09	38.705	7.9	6.3	5.489	1.1	-19.2	98.402	20.0	10.0
2009-10	41.005	7.7	5.9	5.767	1.1	4.8	105.476	19.9	7.2
2010-11	39.336	7.4	-4.1	6.974	1.3	17.3	102.565	19.3	-2.8
2011-12	39.159	7.3	-0.4	7.206	1.3	3.2	105.476	19.5	2.8
2012-13	39.134	7.0	-0.1	5.640	1.0	-27.8	110.132	19.8	4.4
2013-14	37.223	6.6	-4.9	5.732	1.0	1.6	112.917	20.0	2.5
2014-15	38.257	6.3	2.8	2.524	0.4	-127.1	123.627	20.3	9.5
2015-16	38.351	6.0	0.2	3.715	0.6	32.1	138.461	21.7	12.0

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

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

Contd.....

**TABLE 2.6 : SHARE OF RAW COAL PRODUCTION BY STATES IN LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	State: Telangana			State: Uttar Pradesh			State: West Bengal		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2006-07	37.707	8.8	4.3	12.228	2.8	-22.2	24.938	5.8	1.9
2007-08	40.604	8.9	7.7	11.426	2.5	-6.6	22.521	4.9	-9.7
2008-09	44.546	9.0	9.7	12.029	2.4	5.3	22.905	4.6	1.7
2009-10	50.429	9.5	13.2	13.968	2.6	16.1	23.133	4.4	1.0
2010-11	51.333	9.6	1.8	15.526	2.9	11.2	21.659	4.1	-6.4
2011-12	52.211	9.7	1.7	16.178	3.0	4.2	24.230	4.5	11.9
2012-13	53.190	9.6	1.9	16.090	2.9	-0.5	26.467	4.8	9.2
2013-14	50.469	8.9	-5.1	14.721	2.6	-8.5	28.244	5.0	6.7
2014-15	52.536	8.6	4.1	14.957	2.5	1.6	29.970	4.9	6.1
2015-16	60.380	9.4	14.9	12.689	2.0	-15.2	25.751	4.0	-14.1

Year	ALL INDIA	
	Quantity	Growth (%)
(41)	(42)	(43)
2006-07	<b>430.832</b>	<b>5.8</b>
2007-08	<b>457.082</b>	<b>6.1</b>
2008-09	<b>492.757</b>	<b>7.8</b>
2009-10	<b>531.109</b>	<b>7.8</b>
2010-11	<b>532.694</b>	<b>0.3</b>
2011-12	<b>539.950</b>	<b>1.4</b>
2012-13	<b>556.402</b>	<b>3.0</b>
2013-14	<b>565.765</b>	<b>1.7</b>
2014-15	<b>609.179</b>	<b>7.7</b>
2015-16	<b>639.234</b>	<b>4.9</b>

Note: The State of Telangana is carved out of the state of Andhra Pradesh w.e.f 2014-15

**TABLE 2.7 : SHARE OF LIGNITE PRODUCTION BY STATES IN LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	State: Tamilnadu			State: Gujarat			State: Rajasthan		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2006-07	21.014	67.2	2.8	9.808	31.4	9.7	0.463	1.5	-32.6
2007-08	21.586	63.5	2.7	11.788	34.7	20.2	0.606	1.8	30.9
2008-09	21.308	65.7	-1.3	10.114	31.2	-14.2	0.999	3.1	64.9
2009-10	22.338	65.6	4.8	10.526	30.9	4.1	1.207	3.5	20.8
2010-11	23.144	61.3	3.6	13.064	34.6	24.1	1.525	4.0	26.3
2011-12	24.590	58.1	6.2	14.779	34.9	13.1	2.963	7.0	94.3
2012-13	24.844	53.5	1.0	14.528	31.3	-1.7	7.081	15.2	139.0
2013-14	25.056	56.6	0.9	11.588	26.2	-20.2	7.627	17.2	7.7
2014-15	25.190	52.2	0.5	12.317	25.5	6.3	10.763	22.3	41.1
2015-16	24.227	55.3	-3.8	10.124	23.1	-17.8	9.492	21.6	-11.8

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
2006-07	<b>31.285</b>	4.1
2007-08	<b>33.980</b>	8.6
2008-09	<b>32.421</b>	-4.6
2009-10	<b>34.071</b>	5.1
2010-11	<b>37.733</b>	10.7
2011-12	<b>42.332</b>	12.2
2012-13	<b>46.453</b>	9.7
2013-14	<b>44.271</b>	-4.7
2014-15	<b>48.270</b>	9.0
2015-16	<b>43.843</b>	-9.2

**TABLE 2.8 : STATEWISE PRODUCTION OF RAW COAL BY TYPES IN LAST FIVE YEARS**

( Quantity in Million Tonnes )

State	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)
<b>COKING</b>					
Chhattisgarh	0.189	0.157	0.125	0.126	0.135
Jharkhand	51.108	51.065	55.088	56.430	58.548
Madhya Pradesh	0.319	0.330	0.249	0.310	0.209
West Bengal	0.044	0.030	1.356	0.580	1.995
<b>Total Coking</b>	<b>51.660</b>	<b>51.582</b>	<b>56.818</b>	<b>57.446</b>	<b>60.887</b>
<b>NON-COKING</b>					
Arunachal Pradesh	0.221	0.073	0.000	0.000	0.000
Assam	0.602	0.605	0.664	0.779	0.486
Chhattisgarh	113.769	117.673	126.970	134.638	130.470
Jammu & Kashmir	0.020	0.019	0.019	0.013	0.015
Jharkhand	58.458	60.209	58.003	67.713	62.519
Madhya Pradesh	70.804	75.618	75.341	87.299	107.505
Maharashtra	39.159	39.134	37.223	38.257	38.351
Meghalaya	7.206	5.640	5.732	2.524	3.715
Odisha	105.476	110.132	112.917	123.627	138.461
Telangana	52.211	53.190	50.469	52.536	60.380
Uttar Pradesh	16.178	16.090	14.721	14.957	12.689
West Bengal	24.186	26.437	26.888	29.390	23.756
<b>Total Non-Coking</b>	<b>488.290</b>	<b>504.820</b>	<b>508.947</b>	<b>551.733</b>	<b>578.347</b>

**TABLE 2.9 : STATEWISE PRODUCTION OF LIGNITE IN LAST FIVE YEARS**

( Quantity in Million Tonnes )

State	2011-12	2012-13	2013-14	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)
Gujarat	14.779	14.528	11.588	12.317	10.124
Rajasthan	2.963	7.081	7.627	10.763	9.492
Tamilnadu	24.590	24.844	25.056	25.190	24.227
<b>TOTAL</b>	<b>42.332</b>	<b>46.453</b>	<b>44.271</b>	<b>48.270</b>	<b>43.843</b>

**TABLE 2.10 : TRENDS OF COMPANY WISE PRODUCTION OF COAL & LIGNITE DURING LAST THREE YEARS**

[Quantity in Million Tonnes]

Company	2013-14			2014-15			2015-16		
	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	35.999	<b>36.047</b>	0.034	39.972	<b>40.006</b>	0.012	40.196	<b>40.208</b>
BCCL	30.055	2.557	<b>32.612</b>	30.770	3.742	<b>34.512</b>	32.648	3.213	<b>35.861</b>
CCL	18.441	31.581	<b>50.022</b>	19.326	36.326	<b>55.652</b>	20.697	40.627	<b>61.324</b>
NCL		68.639	<b>68.639</b>		72.484	<b>72.484</b>		80.224	<b>80.224</b>
WCL	0.249	39.480	<b>39.729</b>	0.310	40.837	<b>41.147</b>	0.209	44.606	<b>44.815</b>
SECL	0.125	124.136	<b>124.261</b>	0.126	128.149	<b>128.275</b>	0.135	135.521	<b>135.656</b>
MCL		110.439	<b>110.439</b>		121.379	<b>121.379</b>		137.901	<b>137.901</b>
NEC		0.664	<b>0.664</b>		0.779	<b>0.779</b>		0.486	<b>0.486</b>
<b>CIL</b>	<b>48.918</b>	<b>413.495</b>	<b>462.413</b>	<b>50.566</b>	<b>443.668</b>	<b>494.234</b>	<b>53.701</b>	<b>482.774</b>	<b>536.475</b>
SCCL		50.469	<b>50.469</b>		52.536	<b>52.536</b>		60.380	<b>60.380</b>
JKML		0.019	<b>0.019</b>		0.013	<b>0.013</b>		0.015	<b>0.015</b>
JSMDCL			<b>0.000</b>		0.415	<b>0.415</b>		0.190	<b>0.190</b>
DVC		0.054	<b>0.054</b>		0.066	<b>0.066</b>	0.403		<b>0.403</b>
IISCO	0.541	0.081	<b>0.622</b>	0.420	0.206	<b>0.626</b>	0.558	0.169	<b>0.727</b>
SAIL	0.044	0.025	<b>0.069</b>	0.024	0.001	<b>0.025</b>			<b>0.000</b>
RRVUNL		1.197	<b>1.197</b>		3.443	<b>3.443</b>		6.210	<b>6.210</b>
SECL(GP-IV/2&3)								2.278	<b>2.278</b>
DVC EMTA		1.519	<b>1.519</b>		1.001	<b>1.001</b>			
APMDTCL			<b>0.000</b>			<b>0.000</b>			
WBPDCCL		2.606	<b>2.606</b>		6.221	<b>6.221</b>			
WBMDCCL		0.726	<b>0.726</b>		1.041	<b>1.041</b>			
PSEB/PANEM		5.879	<b>5.879</b>		3.433	<b>3.433</b>			
KECML		2.502	<b>2.502</b>		2.478	<b>2.478</b>			
MPSMCL		0.005	<b>0.005</b>		1.500	<b>1.500</b>			
<b>Total Public</b>	<b>49.503</b>	<b>478.577</b>	<b>528.080</b>	<b>51.010</b>	<b>516.022</b>	<b>567.032</b>	<b>54.662</b>	<b>552.016</b>	<b>606.678</b>
TISCO	6.905	0.067	<b>6.972</b>	6.027	0.016	<b>6.043</b>	6.225	0.003	<b>6.228</b>
Meghalaya		5.732	<b>5.732</b>		2.524	<b>2.524</b>		3.715	<b>3.715</b>
HIL		2.478	<b>2.478</b>		2.248	<b>2.248</b>		0.069	<b>0.069</b>
SIL		0.148	<b>0.148</b>		0.196	<b>0.196</b>		0.165	<b>0.165</b>
SPL		1.695	<b>1.695</b>		9.406	<b>9.406</b>		17.022	<b>17.022</b>
GMR								0.560	<b>0.560</b>
BALCO								0.120	<b>0.120</b>
CESC								1.877	<b>1.877</b>
JPVL								2.800	<b>2.800</b>
ICML		2.708	<b>2.708</b>		3.449	<b>3.449</b>			
JSPL		5.999	<b>5.999</b>		5.989	<b>5.989</b>			
MIEL		0.919	<b>0.919</b>		1.000	<b>1.000</b>			
BLA		0.300	<b>0.300</b>		0.300	<b>0.300</b>			
PIL		1.000	<b>1.000</b>		1.000	<b>1.000</b>			
JNL		0.446	<b>0.446</b>		0.703	<b>0.703</b>			
JPL		6.226	<b>6.226</b>		6.248	<b>6.248</b>			
ESCL	0.410	0.051	<b>0.461</b>	0.409	0.024	<b>0.433</b>			
UML		0.762	<b>0.762</b>		0.790	<b>0.790</b>			
SEML		1.165	<b>1.165</b>		1.189	<b>1.189</b>			
BSIL		0.081	<b>0.081</b>		0.031	<b>0.031</b>			
TUML/SVSL		0.317	<b>0.317</b>		0.198	<b>0.198</b>			
SOVA		0.276	<b>0.276</b>		0.400	<b>0.400</b>			
<b>Total Private</b>	<b>7.315</b>	<b>30.370</b>	<b>37.685</b>	<b>6.436</b>	<b>35.711</b>	<b>42.147</b>	<b>6.225</b>	<b>26.331</b>	<b>32.556</b>
<b>ALL INDIA</b>	<b>56.818</b>	<b>508.947</b>	<b>565.765</b>	<b>57.446</b>	<b>551.733</b>	<b>609.179</b>	<b>60.887</b>	<b>578.347</b>	<b>639.234</b>
<b>LIGNITE</b>									
NLC			<b>26.609</b>			<b>26.543</b>			<b>25.451</b>
GMDCL			<b>8.398</b>			<b>8.713</b>			<b>6.969</b>
GIPCL			<b>3.006</b>			<b>3.404</b>			<b>3.063</b>
RSMML			<b>1.428</b>			<b>1.405</b>			<b>0.972</b>
GHCL			<b>0.190</b>			<b>0.200</b>			<b>0.092</b>
VSLPPL			<b>0.890</b>			<b>1.005</b>			<b>0.617</b>
BLMCL			<b>3.750</b>			<b>7.000</b>			<b>6.679</b>
<b>ALL INDIA</b>			<b>44.271</b>			<b>48.270</b>			<b>43.843</b>
<b>COAL &amp; LIGNITE</b>			<b>610.036</b>			<b>657.449</b>			<b>683.077</b>

**TABLE 2.11: STATEWISE AND COMPANYWISE PRODUCTION OF RAW COAL BY TYPES IN LAST THREE YEARS**

[ Quantity in Million Tonnes ]

STATES	COMPANY	2013-2014			2014-2015			2015-2016		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Arunachal Pradesh</b>	<b>APMDTCL</b>		0.000	0.000		0	0		0	0
<b>Assam</b>	<b>NEC</b>		0.664	0.664		0.779	0.779		0.486	0.486
Chhattisgarh	SECL	0.125	110.018	110.143	0.126	115.066	115.192	0.135	121.793	121.928
Chhattisgarh	RRVUNL		1.197	1.197		3.443	3.443		6.210	6.210
Chhattisgarh	SECL(GP-IV/2&3)								2.278	2.278
Chhattisgarh	HIL								0.069	0.069
Chhattisgarh	BALCO								0.120	0.120
Chhattisgarh	JSPL		5.999	5.999		5.989	5.989			
Chhattisgarh	MIEL		0.919	0.919		1.000	1.000			
Chhattisgarh	PIL		1.000	1.000		1.000	1.000			
Chhattisgarh	JPL		6.226	6.226		6.248	6.248			
Chhattisgarh	JNL		0.446	0.446		0.703	0.703			
Chhattisgarh	SEML		1.165	1.165		1.189	1.189			
<b>Chhattisgarh</b>	<b>TOTAL</b>	<b>0.125</b>	<b>126.970</b>	<b>127.095</b>	<b>0.126</b>	<b>134.638</b>	<b>134.764</b>	<b>0.135</b>	<b>130.470</b>	<b>130.605</b>
<b>Jammu &amp; Kashmir</b>	<b>JKML</b>		0.019	0.019		0.013	0.013		0.015	0.015
Jharkhand	ECL	0.038	17.133	17.171	0.030	19.372	19.402	0.012	19.035	19.047
Jharkhand	BCCL	28.709	2.356	31.065	30.194	3.270	33.464	30.653	2.650	33.303
Jharkhand	CCL	18.441	31.581	50.022	19.326	36.326	55.652	20.697	40.627	61.324
Jharkhand	JSMDCL		0	0		0.415	0.415		0.190	0.190
Jharkhand	DVC		0.054	0.054		0.066	0.066	0.403		0.403
Jharkhand	IISCOCJ	0.541		0.541	0.420		0.420	0.572		0.572
Jharkhand	TISCO	6.905	0.067	6.972	6.027	0.016	6.043	6.225	0.003	6.228
Jharkhand	PSEB/PANEM		5.879	5.879		3.433	3.433			
Jharkhand	UML		0.762	0.762		0.790	0.790			
Jharkhand	ESCL	0.410	0.051	0.461	0.409	0.024	0.433			
Jharkhand	SAIL	0.044	0.025	0.069	0.024	0.001	0.025			
Jharkhand	WBPDCCL		0.095	0.095		4.000	4.000			
<b>Jharkhand</b>	<b>TOTAL</b>	<b>55.088</b>	<b>58.003</b>	<b>113.091</b>	<b>56.430</b>	<b>67.713</b>	<b>124.143</b>	<b>58.562</b>	<b>62.505</b>	<b>121.067</b>
Madhya Pradesh	NCL		53.918	53.918		57.527	57.527		67.535	67.535
Madhya Pradesh	WCL	0.249	5.305	5.554	0.310	5.483	5.793	0.209	6.420	6.629
Madhya Pradesh	SECL		14.118	14.118		13.083	13.083		13.728	13.728
Madhya Pradesh	SPL		1.695	1.695		9.406	9.406		17.022	17.022
Madhya Pradesh	JPVL								2.800	2.800
Madhya Pradesh	BLA		0.300	0.300		0.300	0.300			
Madhya Pradesh	MPSMCL		0.005	0.005		1.500	1.500			
<b>Madhya Pradesh</b>	<b>TOTAL</b>	<b>0.249</b>	<b>75.341</b>	<b>75.590</b>	<b>0.310</b>	<b>87.299</b>	<b>87.609</b>	<b>0.209</b>	<b>107.505</b>	<b>107.714</b>
Maharashtra	WCL		34.175	34.175		35.354	35.354		38.186	38.186
Maharashtra	SIL		0.148	0.148		0.196	0.196		0.165	0.165
Maharashtra	BSIL		0.081	0.081		0.031	0.031			
Maharashtra	KECML		2.502	2.502		2.478	2.478			
Maharashtra	TUML/SVSL		0.317	0.317		0.198	0.198			
<b>Maharashtra</b>	<b>TOTAL</b>	<b>0.000</b>	<b>37.223</b>	<b>37.223</b>	<b>0</b>	<b>38.257</b>	<b>38.257</b>	<b>0</b>	<b>38.351</b>	<b>38.351</b>
<b>Meghalaya</b>	<b>MEG</b>		5.732	5.732		2.524	2.524		3.715	3.715
Odisha	MCL		110.439	110.439		121.379	121.379		137.901	137.901
Odisha	GMR								0.560	0.560
Odisha	HIL		2.478	2.478		2.248	2.248			
<b>Odisha</b>	<b>TOTAL</b>		<b>112.917</b>	<b>112.917</b>		<b>123.627</b>	<b>123.627</b>		<b>138.461</b>	<b>138.461</b>
<b>Telangana</b>	<b>SCCL</b>		50.469	50.469		52.536	52.536		60.380	60.380
<b>Uttar Pradesh</b>	<b>NCL</b>		14.721	14.721		14.957	14.957		12.689	12.689
West Bengal	ECL	0.010	18.866	18.876	0.004	20.600	20.604		21.161	21.161
West Bengal	BCCL	1.346	0.201	1.547	0.576	0.472	1.048	1.995	0.563	2.558
West Bengal	IISCOR		0.081	0.081		0.206	0.206		0.155	0.155
West Bengal	CESC								1.877	1.877
West Bengal	ICML		2.708	2.708		3.449	3.449			
West Bengal	WBPDCCL		2.511	2.511		2.221	2.221			
West Bengal	DVC EMTA		1.519	1.519		1.001	1.001			
West Bengal	WBMDTCL		0.726	0.726		1.041	1.041			
West Bengal	SOVA		0.276	0.276		0.400	0.400			
<b>West Bengal</b>	<b>TOTAL</b>	<b>1.356</b>	<b>26.888</b>	<b>28.244</b>	<b>0.580</b>	<b>29.390</b>	<b>29.970</b>	<b>1.995</b>	<b>23.756</b>	<b>25.751</b>
<b>Total Public</b>		<b>49.503</b>	<b>478.577</b>	<b>528.080</b>	<b>51.010</b>	<b>516.022</b>	<b>567.032</b>	<b>54.662</b>	<b>552.016</b>	<b>606.678</b>
<b>Total Private</b>	<b>TOTAL</b>	<b>7.315</b>	<b>30.370</b>	<b>37.685</b>	<b>6.436</b>	<b>35.711</b>	<b>42.147</b>	<b>6.225</b>	<b>26.331</b>	<b>32.556</b>
<b>All India</b>		<b>56.818</b>	<b>508.947</b>	<b>565.765</b>	<b>57.446</b>	<b>551.733</b>	<b>609.179</b>	<b>60.887</b>	<b>578.347</b>	<b>639.234</b>

**TABLE 2.12 : CAPTIVE BLOCK WISE PRODUCTION OF RAW COAL DURING LAST TWO YEARS**

(Quantity in Million Tonnes)

Block	Company	State	2014-15			2015-16		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
Gare Palma IV/2&3	SECL(GP-IV/2&3)	Chhattisgarh					2.278	<b>2.278</b>
Parsa E & Kanta Basan	RRUVNL	Chhattisgarh		3.443	<b>3.443</b>		6.210	<b>6.210</b>
Amelia North	MPSMCL	Madhya Pradesh		1.500	<b>1.500</b>			
Baranj I-IV, Kiloni, Manora Deep	KECML	Maharashtra		2.478	<b>2.478</b>			
Barjora North	DVCEMTA	West Bengal		1.001	<b>1.001</b>			
Barjore	WBPDCCL	West Bengal		0.210	<b>0.210</b>			
Gangaramchak & Bhadulia	WBPDCCL	West Bengal		0.206	<b>0.206</b>			
Namchik Namphuk	APMDTCL	Arunachal Pradesh						
Pachwara Central	PSEB	Jharkhand		3.433	<b>3.433</b>			
Panchwara North	WBPDCCL	Jharkhand		4.000	<b>4.000</b>			
Tara East & West	WBPDCCL	West Bengal		1.805	<b>1.805</b>			
Tasra	SAIL/IISCO	Jharkhand	0.024	0.001	<b>0.025</b>			
Trans Damodar	WBMDTCL	West Bengal		1.041	<b>1.041</b>			
<b>Total Public</b>			<b>0.024</b>	<b>19.118</b>	<b>19.142</b>	<b>0.000</b>	<b>8.488</b>	<b>8.488</b>
Amelia North	JPVL	Madhya Pradesh					2.800	<b>2.800</b>
Belgaon	SIL	Maharashtra		0.196	<b>0.196</b>		0.165	<b>0.165</b>
Chotia	BALCO	Chhattisgarh					0.120	<b>0.120</b>
Gare Palma IV/4 & 5	HIL	Chhattisgarh					0.069	<b>0.069</b>
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		9.406	<b>9.406</b>		17.022	<b>17.022</b>
Sarshatali	CESC	West Bengal					<b>1.877</b>	<b>1.877</b>
Talabira I	GMR	Odisha					0.560	<b>0.560</b>
Ardhagram	SOVA	West Bengal		0.400	<b>0.400</b>			
Chotia	PIL	Chhattisgarh		1.000	<b>1.000</b>			
Gare Palma IV/1	JSPL	Chhattisgarh		5.989	<b>5.989</b>			
Gare Palma IV/2&3	JPL	Chhattisgarh		6.248	<b>6.248</b>			
Gare Palma IV/4	JNL	Chhattisgarh		0.703	<b>0.703</b>			
Gare Palma IV/5	MIEL	Chhattisgarh		1.000	<b>1.000</b>			
Gare Palma IV/7	SEML	Chhattisgarh		1.189	<b>1.189</b>			
Gotitoria E & W	BLA	Madhya Pradesh		0.300	<b>0.300</b>			
Kathautia	UML	Jharkhand		0.790	<b>0.790</b>			
Marki Mangli I	BSIL	Maharashtra		0.031	<b>0.031</b>			
Marki Mangli II-IV	TUML-SVSL	Maharashtra		0.198	<b>0.198</b>			
Parbatpur Central	ESCL	Jharkhand	0.409	0.024	<b>0.433</b>			
Sarshatali	ICML	West Bengal		3.449	<b>3.449</b>			
Talabira I	HIL	Odisha		2.248	<b>2.248</b>			
<b>Total Private</b>			<b>0.409</b>	<b>33.171</b>	<b>33.580</b>	<b>0.000</b>	<b>22.613</b>	<b>22.613</b>
<b>Grand Total</b>			<b>0.433</b>	<b>52.289</b>	<b>52.722</b>	<b>0.000</b>	<b>31.101</b>	<b>31.101</b>

**TABLE 2.13: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2015-16**

(Quantity in Million Tonnes)

Companies	COKING COAL GRADE										
	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						0.012			0.012	0.000	0.012
BCCL	0.037	1.033		0.200	1.914	8.951	20.513		3.220	29.428	32.648
CCL		0.018		0.214	0.237	2.881	17.347		4.618	16.079	20.697
NCL										0.000	0.000
WCL					0.209				0.209	0.000	0.209
SECL			0.135							0.135	0.135
MCL										0.000	0.000
NEC										0.000	0.000
<b>CIL</b>	<b>0.037</b>	<b>1.051</b>	<b>0.135</b>	<b>0.414</b>	<b>2.360</b>	<b>11.844</b>	<b>37.860</b>	<b>0.000</b>	<b>8.059</b>	<b>45.642</b>	<b>53.701</b>
SCCL											0.000
JKML											0.000
JSMDC											0.000
DVC							0.403				0.403
IISCO						0.075	0.483		0.558	0.000	0.558
SAIL											0.000
RRVUNL											0.000
SECL(GP-IV/2&3)											0.000
<b>Total Public</b>	<b>0.037</b>	<b>1.051</b>	<b>0.135</b>	<b>0.414</b>	<b>2.360</b>	<b>11.919</b>	<b>38.746</b>	<b>0.000</b>	<b>8.617</b>	<b>45.642</b>	<b>54.662</b>
TISCO					0.134	1.049	5.042	0.000	6.225	0.000	6.225
Meghalaya											0.000
SIL											0.000
HIL											0.000
SPL											0.000
GMR											0.000
BALCO											0.000
JPVL											0.000
CESC											0.000
<b>Total Private</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.134</b>	<b>1.049</b>	<b>5.042</b>	<b>0.000</b>	<b>6.225</b>	<b>0.000</b>	<b>6.225</b>
<b>ALL INDIA</b>	<b>0.037</b>	<b>1.051</b>	<b>0.135</b>	<b>0.414</b>	<b>2.494</b>	<b>12.968</b>	<b>43.788</b>	<b>0.000</b>	<b>14.842</b>	<b>45.642</b>	<b>60.887</b>

**TABLE 2.14: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2015-16**

(Quantity in Million Tonnes)

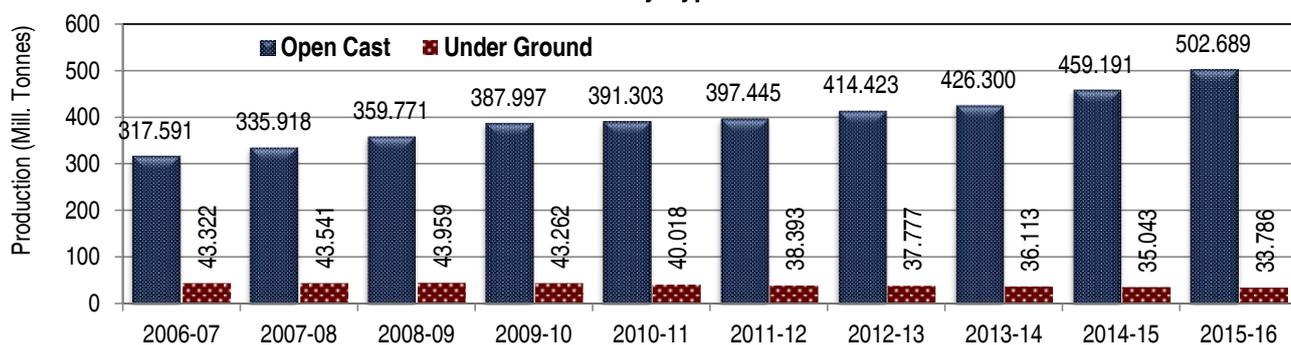
Companies	NON-COKING COAL GRADE																			Total N-coking	Total Coal
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	UNG	(20)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	
ECL	0.095	1.346	14.104	5.146	1.346	2.609	0.149					15.401								40.196	40.208
BCCL		0.309	0.360	0.075	1.136	1.219	0.001	0.113												3.213	35.861
CCL			0.032	2.239	0.983	0.895	3.877	11.707	12.951	5.981	1.962									40.627	61.324
NCL				0.503	0.212	17.838	11.404		48.950		1.317									80.224	80.224
WCL			0.016	0.354	1.208	2.706	9.905	26.565	3.852											44.606	44.815
SECL		3.533	3.003	7.124	8.103	4.384	1.034	1.021	1.722	94.779	10.818									135.521	135.656
MCL				0.073				0.130	0.920	0.001	11.737	75.265	49.775							137.901	137.901
NEC	0.118	0.247		0.121																0.486	0.486
<b>CIL</b>	<b>0.118</b>	<b>0.342</b>	<b>5.188</b>	<b>17.636</b>	<b>15.514</b>	<b>12.988</b>	<b>29.651</b>	<b>26.500</b>	<b>40.326</b>	<b>67.476</b>	<b>112.497</b>	<b>89.362</b>	<b>65.176</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>482.774</b>	<b>536.475</b>
SCCL				0.786		9.386	2.384	8.235	4.642	17.725	1.022	12.272		2.844	0.418	0.653	0.013			60.380	60.380
JKML																0.015				0.015	0.015
JSMDCCL												0.190								0.190	0.190
DVC																				0.000	0.403
IISCO			0.029		0.140															0.169	0.727
SAIL																				0.000	0.000
RRVUNL											6.210									6.210	6.210
SECL(GP-IV/2&3)													1.049	1.229						2.278	2.278
<b>Total Public</b>	<b>0.118</b>	<b>0.342</b>	<b>5.188</b>	<b>17.665</b>	<b>16.300</b>	<b>13.128</b>	<b>39.037</b>	<b>28.884</b>	<b>48.561</b>	<b>72.118</b>	<b>136.432</b>	<b>90.574</b>	<b>77.448</b>	<b>1.049</b>	<b>4.073</b>	<b>0.418</b>	<b>0.668</b>	<b>0.013</b>	<b>0.013</b>	<b>552.016</b>	<b>606.678</b>
TISCO												0.003								0.003	6.228
Meghalaya	3.715																			3.715	3.715
SIL							0.165													0.165	0.165
HIL									0.045	0.023		0.001								0.069	0.069
SPL									10.693	6.329										17.022	17.022
GMR												0.170	0.390							0.560	0.560
BALCO								0.120												0.120	0.120
JPVL											2.800									2.800	2.800
CESC											1.877									1.877	1.877
<b>Total Private</b>	<b>3.715</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.165</b>	<b>0.120</b>	<b>10.738</b>	<b>11.029</b>	<b>0.003</b>	<b>0.171</b>	<b>0.390</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>26.331</b>	<b>32.556</b>
<b>ALL INDIA</b>	<b>3.833</b>	<b>0.342</b>	<b>5.188</b>	<b>17.665</b>	<b>16.300</b>	<b>13.128</b>	<b>39.037</b>	<b>29.049</b>	<b>48.681</b>	<b>82.856</b>	<b>147.461</b>	<b>90.577</b>	<b>77.619</b>	<b>1.439</b>	<b>4.073</b>	<b>0.418</b>	<b>0.668</b>	<b>0.013</b>	<b>0.013</b>	<b>578.347</b>	<b>639.234</b>

**TABLE 2.15: TRENDS OF PRODUCTION OF RAW COAL FROM OPENCAST AND UNDERGROUND MINES IN LAST TEN YEARS**

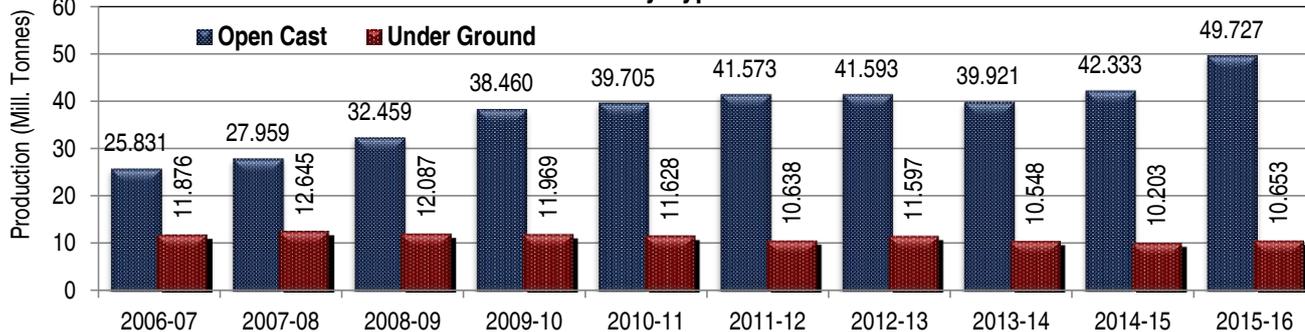
(Quantity in Million Tonnes)

YEAR	Open Cast					Under Ground					All India Raw Coal	
	Production			OC Share (%) in All India Total	OC Growth (%) ( All India )	Production			UG Share (%) in All India Total	UG Growth (%) ( All India )	Production	Growth (%)
	CIL	SCCL	All India			CIL	SCCL	All India				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2006-07	317.591	25.831	373.134	86.61	7.82	43.322	11.876	57.698	13.39	-5.36	430.832	5.85
2007-08	335.918	27.959	398.182	87.11	6.71	43.541	12.645	58.900	12.89	2.08	457.082	6.09
2008-09	359.771	32.459	433.785	88.03	8.94	43.959	12.087	58.972	11.97	0.12	492.757	7.80
2009-10	387.997	38.460	473.519	89.00	9.16	43.262	11.969	58.523	11.00	-0.76	532.042	7.97
2010-11	391.303	39.705	477.839	89.70	0.91	40.018	11.628	54.855	10.30	-6.27	532.694	0.12
2011-12	397.445	41.573	487.993	90.38	2.12	38.393	10.638	51.957	9.62	-5.28	539.950	1.36
2012-13	414.423	41.593	504.195	90.62	3.32	37.777	11.597	52.207	9.38	0.48	556.402	3.05
2013-14	426.300	39.921	516.116	91.22	2.36	36.113	10.548	49.649	8.78	-4.90	565.765	1.68
2014-15	459.191	42.333	563.970	92.09	9.27	35.043	10.203	48.465	7.91	-2.38	612.435	8.25
2015-16	502.689	49.727	592.822	92.74	5.12	33.786	10.653	46.412	7.26	-4.24	639.234	4.38

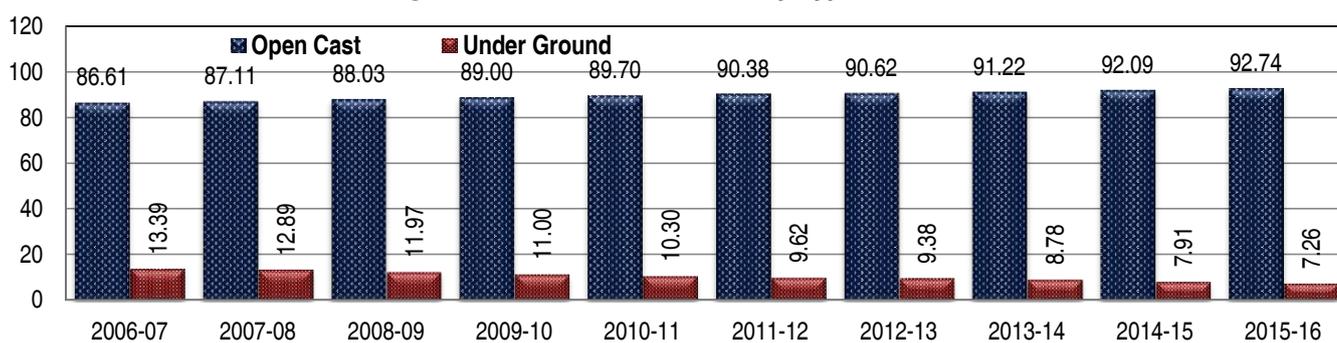
**Production by Type of Mines - CIL**



**Production by Type of Mines - SCCL**



**Percentage Distribution of Production by Type of Mines - INDIA**



**TABLE 2.16 : COMPANY WISE PRODUCTION OF RAW COAL FROM OPENCAST AND UNDER GROUND MINES IN TWO YEARS**

(Quantity in Million Tonnes)

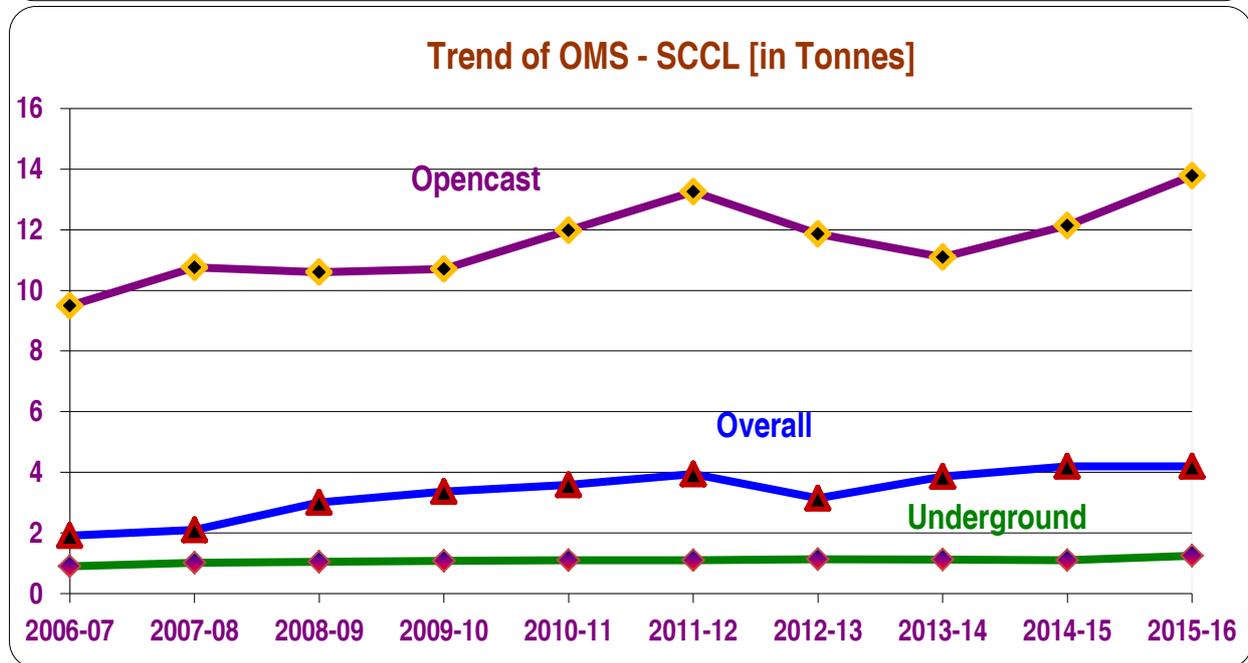
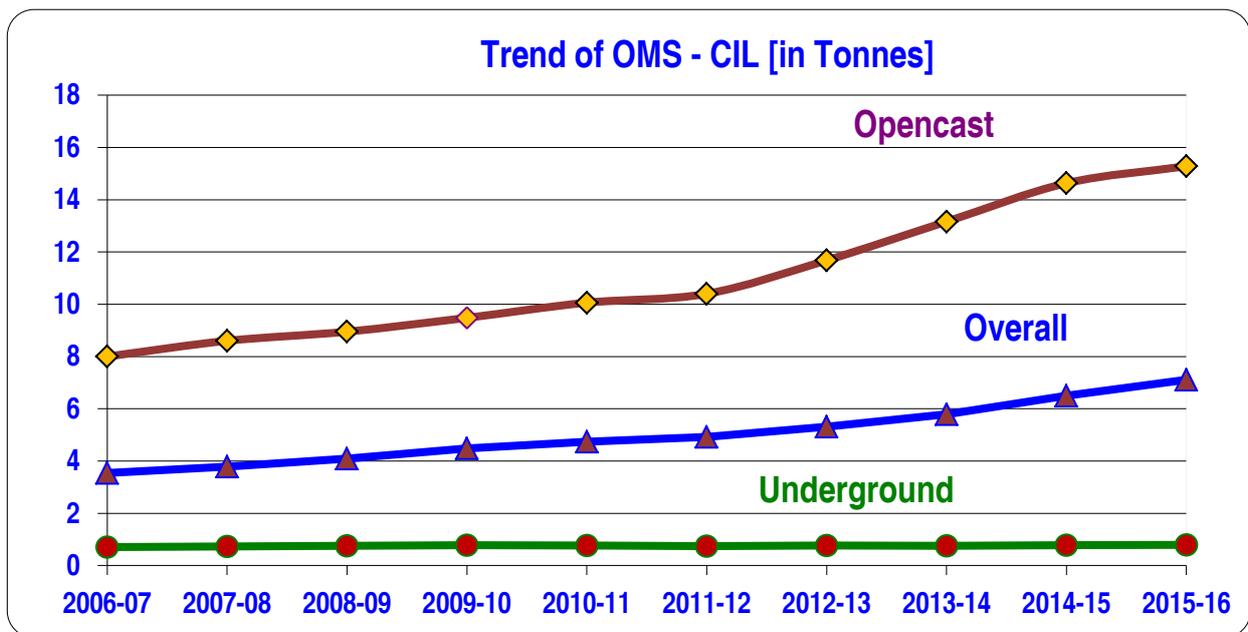
COMPANIES	Y E A R 2014 - 2015						Y E A R 2015 - 2016					
	OPENCAST			UNDER GROUND			OPENCAST			UNDER GROUND		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(8)	(9)	(10)	(11)	(12)	(13)	(8)	(9)	(10)	(11)	(12)	(13)
ECL	32.714	81.77	12.13	7.292	18.23	6.13	32.879	81.77	0.50	7.329	18.23	0.51
BCCL	32.483	94.12	8.61	2.029	5.88	-24.96	34.054	94.96	4.84	1.807	5.04	-10.94
CCL	54.811	98.49	11.71	0.841	1.51	-12.03	60.476	98.62	10.34	0.848	1.38	0.83
NCL	72.484	100.00	5.60				80.224	100.00	10.68			
WCL	33.581	81.61	4.94	7.566	18.39	-2.12	37.635	83.98	12.07	7.180	16.02	-5.10
SECL	112.239	87.50	4.07	16.036	12.50	-2.31	120.149	88.57	7.05	15.507	11.43	-3.30
MCL	120.103	98.95	10.18	1.276	1.05	-10.96	136.789	99.19	13.89	1.112	0.81	-12.85
NEC	0.776	99.61	17.40	0.003	0.39	0.00	0.483	99.38	-37.76	0.003	0.62	0.00
<b>CIL</b>	<b>459.191</b>	<b>92.91</b>	<b>7.72</b>	<b>35.043</b>	<b>7.09</b>	<b>-2.96</b>	<b>502.689</b>	<b>93.70</b>	<b>9.47</b>	<b>33.786</b>	<b>6.30</b>	<b>-3.59</b>
SCCL	42.333	80.58	6.04	10.203	19.42	-3.27	49.727	82.36	17.47	10.653	17.64	4.41
JKML				0.013	100.00					0.015	100.00	
DVC	0.066	100.00	22.22				0.403	100.00	510.61			
IISCO	0.360	57.51	-16.86	0.266	42.49	40.74	0.459	63.14	27.50	0.268	36.86	0.75
SAIL	0.025	100.00	-63.77									
JSMDC	0.415	100.00					0.190	100.00				
RRVUNL	3.443	100.00	187.64				6.210	100.00	80.37			
SECL(GP-IV/2&3)							2.278	100.00				
DVCEMTA	1.001	100.00	-34.10									
APMDTCL												
WBMDTCL	1.041	100.00	43.39									
WBPDC	6.221	100.00	138.72									
PSEB-PANEM	3.433	100.00	-41.61									
KECML	2.478	100.00	-0.96									
MPSMCL	1.500	100.00	29900									
<b>PUBLIC</b>	<b>521.507</b>	<b>91.97</b>	<b>8.37</b>	<b>45.525</b>	<b>8.03</b>	<b>-2.87</b>	<b>561.956</b>	<b>92.63</b>	<b>7.76</b>	<b>44.722</b>	<b>7.37</b>	<b>-1.76</b>
TISCO	4.715	78.02	-15.86	1.328	21.98	-2.92	4.772	76.62	1.21	1.456	23.38	9.64
Meghalaya	2.524	100.00	-55.97				3.715	100.00	47.19			
HIL										0.069	100.00	
SIL				0.196	100.00					0.165	100.00	-15.82
SPL							17.022	100.00				
GMR							0.560	100.00				
BALCO							0.120	100.00				
CESC							1.877	100.00				
JPVL							2.800	100.00				
ICML	3.449	100.00	27.36									
JSPL	5.989	100.00	-0.17									
HIL	2.248	100.00	-9.28									
MIEL				1.000	100.00							
BLA	0.300	100.00	0.00									
PIL	1.000	100.00	0.00									
JNL	0.342	48.65	106.02	0.361	51.35	28.93						
JPL	6.248	100.00	0.35									
ESCL	0.331	76.44	-16.41	0.102	23.56	56.92						
UML	0.790	100.00	3.67									
SEML	1.189	100.00	2.06									
BSIL	0.031	100.00	-61.73									
TUML-SVSL	0.198	100.00	-37.54									
SPL	9.406	100.00	454.93									
SOVA	0.400	100.00	44.93									
<b>PRIVATE</b>	<b>39.160</b>	<b>92.91</b>	<b>12.19</b>	<b>2.987</b>	<b>7.09</b>	<b>7.45</b>	<b>30.866</b>	<b>94.81</b>	<b>-21.18</b>	<b>1.690</b>	<b>5.19</b>	<b>-43.42</b>
<b>All India</b>	<b>560.667</b>	<b>92.04</b>	<b>8.63</b>	<b>48.512</b>	<b>7.96</b>	<b>-2.29</b>	<b>592.822</b>	<b>92.74</b>	<b>5.74</b>	<b>46.412</b>	<b>7.26</b>	<b>-4.33</b>

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

**TABLE 2.17: TRENDS OF OMS IN OC & UG MINES ( CIL & SCCL ) DURING LAST TEN YEARS**

( Quantity in Million Tonnes )

Year	OMS ( OPEN CAST )		OMS ( UNDER GROUND )		OMS ( OVERALL )	
	CIL	SCCL	CIL	SCCL	CIL	SCCL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2006-07	8.00	9.50	0.71	0.90	3.54	1.91
2007-08	8.60	10.76	0.73	1.02	3.79	2.10
2008-09	8.95	10.60	0.76	1.05	4.09	3.01
2009-10	9.48	10.71	0.78	1.08	4.48	3.36
2010-11	10.06	11.98	0.77	1.10	4.74	3.59
2011-12	10.40	13.26	0.75	1.10	4.92	3.94
2012-13	11.68	11.87	0.77	1.13	5.32	3.14
2013-14	13.16	11.10	0.76	1.12	5.79	3.86
2014-15	14.63	12.14	0.78	1.10	6.50	4.20
2015-16	15.28	13.78	0.79	1.25	7.11	4.20



**TABLE 2.18 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS**

Companies	Type of Mines	2013-2014			2014-2015			2015-2016		
		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	29.18	2.66	11.30	32.714	2.699	12.12	32.879	2.648	12.42
BCCL	OC	29.91	3.19	9.38	32.483	3.533	9.19	34.054	3.379	10.08
CCL	OC	49.07	6.89	6.26	54.811	6.807	7.56	60.476	6.786	8.91
NCL	OC	68.64	4.45	13.78	72.484	5.268	13.70	80.224	4.276	21.24
WCL	OC	32.00	6.23	5.14	33.581	4.677	5.72	37.635	6.951	5.41
SECL	OC	107.85	5.03	19.26	112.239	4.698	23.89	120.149	5.118	23.48
MCL	OC	109.01	3.52	22.16	120.103	3.555	22.11	136.789	3.571	24.24
NEC	OC	0.66	0.32	2.10	0.776	0.152	5.10	0.483	0.173	2.80
<b>CIL</b>	<b>OC</b>	<b>426.30</b>	<b>32.28</b>	<b>13.16</b>	<b>459.191</b>	<b>31.389</b>	<b>14.63</b>	<b>502.689</b>	<b>32.902</b>	<b>15.28</b>
<b>SCCL</b>	<b>OC</b>	<b>39.92</b>	<b>2.66</b>	<b>11.10</b>	<b>42.333</b>	<b>2.700</b>	<b>12.14</b>	<b>49.727</b>	<b>2.756</b>	<b>13.78</b>
ECL	UG	6.87	14.30	0.48	7.292	13.657	0.53	7.329	13.056	0.56
BCCL	UG	2.70	8.65	0.31	2.029	7.894	0.26	1.807	7.408	0.24
CCL	UG	0.96	2.93	0.33	0.841	2.940	0.29	0.848	2.640	0.32
NCL	UG					0.000	0.00	0.000	0.000	0.00
WCL	UG	7.73	7.20	1.07	7.566	6.723	1.13	7.180	6.455	1.11
SECL	UG	16.42	12.16	1.37	16.036	11.559	1.39	15.507	11.090	1.40
MCL	UG	1.43	1.73	0.84	1.276	1.694	0.77	1.112	1.689	0.00
NEC	UG	0.00	0.28	0.01	0.003	0.235	0.01	0.003	0.178	0.01
<b>CIL</b>	<b>UG</b>	<b>36.11</b>	<b>47.25</b>	<b>0.76</b>	<b>35.043</b>	<b>44.702</b>	<b>0.78</b>	<b>33.786</b>	<b>42.516</b>	<b>0.79</b>
<b>SCCL</b>	<b>UG</b>	<b>10.55</b>	<b>9.83</b>	<b>1.12</b>	<b>10.203</b>	<b>8.371</b>	<b>1.10</b>	<b>10.653</b>	<b>8.464</b>	<b>1.25</b>
ECL	ALL	36.05	16.97	2.13	40.006	16.356	2.45	40.208	15.704	2.45
BCCL	ALL	32.61	11.84	2.74	34.512	11.427	3.02	35.861	10.787	3.02
CCL	ALL	50.02	9.82	4.64	55.652	9.747	5.46	61.324	9.426	5.46
NCL	ALL	68.64	4.45	13.78	72.484	5.268	13.70	80.224	4.276	21.24
WCL	ALL	39.73	13.43	2.96	41.147	11.400	3.26	44.815	13.406	3.26
SECL	ALL	124.26	17.18	6.72	128.275	16.257	7.89	135.656	16.208	7.89
MCL	ALL	110.44	5.25	16.69	121.379	5.249	17.10	137.901	5.260	17.10
NEC	ALL	0.66	0.59	1.12	0.779	0.387	2.01	0.486	0.351	2.01
<b>CIL</b>	<b>ALL</b>	<b>462.41</b>	<b>79.53</b>	<b>5.79</b>	<b>494.234</b>	<b>76.091</b>	<b>6.50</b>	<b>536.475</b>	<b>75.418</b>	<b>7.11</b>
<b>SCCL</b>	<b>ALL</b>	<b>50.469</b>	<b>12.49</b>	<b>3.86</b>	<b>52.536</b>	<b>11.071</b>	<b>4.20</b>	<b>60.380</b>	<b>11.220</b>	<b>4.20</b>

**TABLE 2.19 : 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 2013 - 2014			YEAR 2014 - 2015			YEAR 2015 - 2016		
	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	85.757	29.176	2.94	94.047	32.714	2.87	119.219	32.879	3.63
BCCL	85.410	29.908	2.86	103.901	32.483	3.20	148.591	34.054	4.36
CCL	59.022	49.066	1.20	96.351	54.811	1.76	106.778	60.476	1.77
NCL	208.787	68.639	3.04	210.614	72.484	2.91	338.090	80.224	4.21
WCL	120.076	31.999	3.75	122.914	33.581	3.66	155.146	37.635	4.12
SECL	144.875	107.845	1.34	158.268	112.239	1.41	174.824	120.149	1.46
MCL	96.028	109.006	0.88	89.221	120.103	0.74	98.414	136.789	0.72
NEC	6.584	0.661	9.96	10.180	0.776	13.12	0.007	0.483	15.12
<b>CIL</b>	<b>806.539</b>	<b>426.300</b>	<b>1.89</b>	<b>885.496</b>	<b>459.191</b>	<b>1.93</b>	<b>1141.069</b>	<b>502.689</b>	<b>2.27</b>
SCCL	168.776	39.921	4.23	262.820	42.333	6.21	310.763	49.727	6.25
JKML									
DVC	0.015	0.054	0.28	0.131	0.066	1.98	0.328	0.403	0.81
IISCO	1.540	0.433	3.56	1.162	0.360	3.23	2.626	0.459	5.72
SAIL	0.079	0.069	1.14	0.029	0.025	1.16			
JSMDCCL				1.161	0.415	2.80	0.338	0.190	1.77
RRVUNL	4.924	1.197	4.11	3.836	3.443	1.11	11.966	6.210	1.93
SECL(GP-IV/2&3)							0.543	2.278	0.24
DVC EMTA	6.316	1.519	4.16	6.342	1.001	6.34			
APMDTCL									
WBMDTCL	2.879	0.726	3.97	2.879	1.041	2.77			
WBPDCCL	13.323	2.606	5.11	14.312	6.221	2.30			
PSEB-PANEM	21.877	5.879	3.72	5.798	3.433	1.69			
KECML	8.716	2.502	3.48	6.631	2.478	2.68			
MPSMCL	1.746	0.005	349.20	9.050	1.500	6.03			
<b>PUBLIC</b>	<b>1036.730</b>	<b>481.211</b>	<b>2.15</b>	<b>1199.647</b>	<b>521.507</b>	<b>2.30</b>	<b>1467.633</b>	<b>561.956</b>	<b>2.61</b>
TISCO	22.242	5.604	3.97	20.142	4.715	4.27	18.161	4.772	3.81
Meghalaya		5.732			2.524			3.715	
HIL	2.168	2.478	0.87	2.393	2.248	1.06			
SIL									
SPL	19.927	1.695	11.76	30.505	9.406	3.24	65.692	17.022	3.86
GMR							0.993	0.560	1.77
BALCO							1.813	0.120	15.11
CESC							5.594	1.877	2.98
JPVL							13.290	2.800	4.75
ICML	8.172	2.708	3.02	8.854	3.449	2.57			
JSPL	8.778	5.999	1.46	9.241	5.989	1.54			
MIEL									
BLA	1.440	0.300	4.80	0.882	0.300	2.94			
PIL	7.994	1.000	7.99	5.200	1.000	5.20			
JNL	0.861	0.166	5.19	2.062	0.342	6.03			
JPL	12.347	6.226	1.98	9.275	6.248	1.48			
ESCL	4.092	0.396	10.33	2.192	0.331	6.62			
UML	8.256	0.762	10.83	5.127	0.790	6.49			
SEML	2.138	1.165	1.84	3.004	1.189	2.53			
BSIL	0.488	0.081	6.02	0.145	0.031	4.68			
TUML-SVSL	0.916	0.317	2.89	0.613	0.198	3.10			
SOVA	1.148	0.276	4.16	0.946	0.400	2.37			
<b>PRIVATE</b>	<b>100.967</b>	<b>34.905</b>	<b>3.46</b>	<b>100.581</b>	<b>39.160</b>	<b>2.75</b>	<b>105.543</b>	<b>30.866</b>	<b>3.89</b>
<b>INDIA</b>	<b>1137.697</b>	<b>516.116</b>	<b>2.23</b>	<b>1300.228</b>	<b>560.667</b>	<b>2.33</b>	<b>1573.176</b>	<b>592.822</b>	<b>2.67</b>

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 3.1: TREND OF DESPATCHES OF COAL AND LIGNITE DURING LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	Raw Coal		Lignite		Total solid fossil fuel	
	Despatches	Growth (%)	Despatches	Growth (%)	Despatches	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2006-07	419.800	6.12	30.797	1.51	<b>450.597</b>	<b>5.79</b>
2007-08	453.567	8.04	34.657	12.53	<b>488.224</b>	<b>8.35</b>
2008-09	489.172	7.85	31.793	-8.26	<b>520.965</b>	<b>6.71</b>
2009-10	513.792	5.03	34.430	8.29	<b>548.222</b>	<b>5.23</b>
2010-11	523.465	1.88	37.685	9.45	<b>561.150</b>	<b>2.36</b>
2011-12	535.299	2.26	41.883	11.14	<b>577.182</b>	<b>2.86</b>
2012-13	567.136	5.95	46.313	10.58	<b>613.449</b>	<b>6.28</b>
2013-14	572.060	0.87	43.897	-5.22	<b>615.957</b>	<b>0.41</b>
2014-15	603.772	5.54	46.954	6.96	<b>650.726</b>	<b>5.64</b>
2015-16	632.169	4.70	42.212	-10.10	<b>674.381</b>	<b>3.64</b>

**TABLE 3.2 : TRENDS OF DESPATCHES OF COAL BY TYPE DURING LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	Metallurgical Coal		Total Coking Coal		Non Coking Coal		Raw Coal	
	Despatches	Growth (%)	Despatches	Growth (%)	Despatches	Growth (%)	Despatches	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2006-07	16.334	-0.98	31.927	4.55	387.873	6.25	<b>419.800</b>	<b>6.12</b>
2007-08	16.438	0.64	33.543	5.06	420.024	8.29	<b>453.567</b>	<b>8.04</b>
2008-09	15.061	-8.38	35.724	6.50	453.448	7.96	<b>489.172</b>	<b>7.85</b>
2009-10	15.173	0.74	42.469	18.88	471.323	3.94	<b>513.792</b>	<b>5.03</b>
2010-11	16.075	5.94	48.950	15.26	474.515	0.68	<b>523.465</b>	<b>1.88</b>
2011-12	15.903	-1.07	51.723	5.66	483.576	1.91	<b>535.299</b>	<b>2.26</b>
2012-13	14.799	-6.94	55.859	8.00	511.277	5.73	<b>567.136</b>	<b>5.95</b>
2013-14	15.236	2.95	58.464	4.66	513.596	0.45	<b>572.060</b>	<b>0.87</b>
2014-15	13.264	-12.94	56.438	-3.47	547.334	6.57	<b>603.772</b>	<b>5.54</b>
2015-16	13.960	5.25	59.213	4.92	572.956	4.68	<b>632.169</b>	<b>4.70</b>

**TABLE 3.3: TREND OF DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS IN LAST TEN YEARS**

( Quantity in Million Tonnes )

Year	Washed Coal (Coking)		Washed Coal (Non-Coking)		Middlings (Coking)		Middlings (Non-Coking)		Hard coke	
	Despatches	Growth	Despatches	Growth	Despatches	Growth	Despatches	Growth	Despatches	Growth
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2006-07	7.104	-14.89	12.633	2.52	5.758	7.65	2.244	19.23	12.739	-2.23
2007-08	7.206	1.44	12.821	1.49	6.536	13.51	2.466	9.89	12.774	0.27
2008-09	7.226	0.28	13.445	4.87	5.361	-17.98	4.018	62.94	12.465	-2.42
2009-10	6.518	-9.80	13.981	3.99	4.711	-12.12	3.726	-7.27	12.361	-0.83
2010-11	6.854	5.15	14.537	3.98	4.504	-4.39	3.790	1.72	12.546	1.50
2011-12	6.532	-4.70	15.751	8.35	3.802	-15.59	3.545	-6.46	12.340	-1.64
2012-13	6.614	1.26	14.237	-9.61	5.403	42.11	5.184	46.23	12.429	0.72
2013-14	6.645	0.47	15.454	8.55	4.894	-9.42	3.854	-25.66	12.707	2.24
2014-15	6.080	-8.50	16.998	9.99	5.012	2.41	4.493	16.58	13.954	9.81
2015-16	6.067	-0.21	17.545	3.22	5.734	14.41	0*	-	13.548	-2.91

Note: 1. All the above figures of Washed Coal & Middling relate to coal companies (private& public).

Private Washeries are not included here.

2. Data of Hard Coke relate to steel plants only. Private sector are not covered as not readily available.

\* JSPL & SEML Companies (sources of Middlings Non-coking) are ceased to exist any more.

**TABLE 3.4: MONTHLY DESPATCHES OF DIFFERENT TYPES RAW COAL AND LIGNITE AND COAL PRODUCTS IN 2015-16**  
(Quantity in Million Tonnes)

Month	Coking Coal			Non Coking Coal			Raw Coal			Lignite		
	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Apr-15	4.843	-5.0	8.18	45.589	1.3	7.96	50.432	0.7	7.98	4.107	-10.7	9.73
May-15	4.909	-6.4	8.29	47.242	5.4	8.25	52.151	4.2	8.25	4.053	-13.7	9.60
Jun-15	4.531	-4.4	7.65	45.031	5.7	7.86	49.562	4.7	7.84	3.515	-11.7	8.33
<b>1st Quarter</b>	<b>14.283</b>	<b>-5.3</b>	<b>24.12</b>	<b>137.862</b>	<b>4.1</b>	<b>24.06</b>	<b>152.145</b>	<b>3.2</b>	<b>24.07</b>	<b>11.675</b>	<b>-12.1</b>	<b>27.66</b>
Jul-15	4.521	3.0	7.64	44.277	2.9	7.73	48.798	2.9	7.72	3.249	-11.0	7.70
Aug-15	4.678	2.6	7.90	43.656	4.5	7.62	48.334	4.3	7.65	3.267	-7.0	7.74
Sep-15	4.726	9.6	7.98	43.448	9.2	7.58	48.174	9.2	7.62	3.165	-1.0	7.50
<b>2nd Quarter</b>	<b>13.925</b>	<b>5.0</b>	<b>23.52</b>	<b>131.381</b>	<b>5.4</b>	<b>22.93</b>	<b>145.306</b>	<b>5.4</b>	<b>22.99</b>	<b>9.681</b>	<b>-6.6</b>	<b>22.93</b>
Oct-15	4.843	11.4	8.18	47.942	8.9	8.37	52.785	9.2	8.35	3.234	3.9	7.66
Nov-15	4.879	9.2	8.24	49.511	6.2	8.64	54.390	6.5	8.60	2.581	-23.8	6.11
Dec-15	5.154	14.1	8.70	51.719	2.7	9.03	56.873	3.7	9.00	3.216	-17.7	7.62
<b>3rd Quarter</b>	<b>14.876</b>	<b>11.6</b>	<b>25.12</b>	<b>149.172</b>	<b>5.8</b>	<b>26.04</b>	<b>164.048</b>	<b>6.3</b>	<b>25.95</b>	<b>9.031</b>	<b>-13.3</b>	<b>21.39</b>
Jan-16	5.211	14.2	8.80	52.507	5.7	9.16	57.718	6.4	9.13	3.981	-6.0	9.43
Feb-16	5.213	8.8	8.80	48.615	2.4	8.48	53.828	3.0	8.51	3.677	-12.8	8.71
Mar-16	5.705	5.5	9.63	53.419	2.3	9.32	59.124	2.6	9.35	4.167	-6.4	9.87
<b>4th Quarter</b>	<b>16.129</b>	<b>9.3</b>	<b>27.24</b>	<b>154.541</b>	<b>3.5</b>	<b>26.97</b>	<b>170.670</b>	<b>4.0</b>	<b>27.00</b>	<b>11.825</b>	<b>-8.4</b>	<b>28.01</b>
<b>Yr. 2015-16</b>	<b>59.213</b>	<b>4.9</b>	<b>100.00</b>	<b>572.956</b>	<b>4.7</b>	<b>100.00</b>	<b>632.169</b>	<b>4.7</b>	<b>100.00</b>	<b>42.212</b>	<b>-10.1</b>	<b>100.00</b>

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

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

Contd....

**TABLE 3.5: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS IN 2015-16**

(Quantity in Million Tonnes)

Month	Washed Coal (Ckg)			Washed Coal (Nckg)			Middlings (Ckg)			Middlings (Nckg) #			Hard Coke		
	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Apr-14	0.475	-9.2	7.83	1.331	8.2	7.59	0.325	5.9	5.67	0.000	0.0	0.00	1.149	2.5	8.48
May-14	0.515	11.2	8.49	1.333	-8.1	7.60	0.376	7.4	6.56	0.000	0.0	0.00	1.126	-1.7	8.31
Jun-14	0.444	-9.2	7.32	1.266	-1.7	7.22	0.323	-25.2	5.63	0.000	0.0	0.00	1.150	9.9	8.49
<b>1st Quarter</b>	<b>1.434</b>	<b>-2.8</b>	<b>23.64</b>	<b>3.930</b>	<b>-1.0</b>	<b>22.40</b>	<b>1.024</b>	<b>-6.0</b>	<b>17.86</b>	<b>0.000</b>	<b>0.0</b>	<b>0.00</b>	<b>3.425</b>	<b>3.4</b>	<b>25.28</b>
Jul-14	0.529	6.4	8.72	1.177	-21.3	6.71	0.513	37.5	8.95	0.000	0.0	0.00	1.165	-0.1	8.60
Aug-14	0.492	7.4	8.11	1.239	-8.3	7.06	0.484	11.8	8.44	0.000	0.0	0.00	1.165	-3.3	8.60
Sep-14	0.479	-6.6	7.90	1.429	9.3	8.14	0.574	43.1	10.01	0.000	0.0	0.00	1.130	-8.0	8.34
<b>2nd Quarter</b>	<b>1.500</b>	<b>2.2</b>	<b>24.72</b>	<b>3.845</b>	<b>-7.4</b>	<b>21.92</b>	<b>1.571</b>	<b>30.2</b>	<b>27.40</b>	<b>0.000</b>	<b>0.0</b>	<b>0.00</b>	<b>3.460</b>	<b>-3.9</b>	<b>25.54</b>
Oct-14	0.498	-4.4	8.21	1.394	-4.9	7.95	0.551	25.2	9.61	0.000	0.0	0.00	1.052	-0.8	7.76
Nov-14	0.558	5.3	9.20	1.617	12.5	9.22	0.457	9.3	7.97	0.000	0.0	0.00	1.124	2.1	8.30
Dec-14	0.532	-0.7	8.77	1.647	10.8	9.39	0.542	26.9	9.45	0.000	0.0	0.00	1.163	-5.3	8.58
<b>3rd Quarter</b>	<b>1.588</b>	<b>0.1</b>	<b>26.17</b>	<b>4.658</b>	<b>6.1</b>	<b>26.55</b>	<b>1.550</b>	<b>20.6</b>	<b>27.03</b>	<b>0.000</b>	<b>0.0</b>	<b>0.00</b>	<b>3.339</b>	<b>-1.5</b>	<b>24.65</b>
Jan-15	0.558	4.1	9.20	1.801	17.3	10.27	0.614	33.8	10.71	0.000	0.0	0.00	1.097	-11.3	8.10
Feb-15	0.483	-0.2	7.96	1.580	15.3	9.01	0.449	19.7	7.83	0.000	0.0	0.00	1.062	-7.1	7.84
Mar-15	0.504	-4.9	8.31	1.731	9.5	9.87	0.526	-11.9	9.17	0.000	0.0	0.00	1.165	-8.6	8.60
<b>4th Quarter</b>	<b>1.545</b>	<b>-0.3</b>	<b>25.47</b>	<b>5.112</b>	<b>14.0</b>	<b>29.14</b>	<b>1.589</b>	<b>11.0</b>	<b>27.71</b>	<b>0.000</b>	<b>0.0</b>	<b>0.00</b>	<b>3.324</b>	<b>-9.0</b>	<b>24.53</b>
<b>Yr. 2014-15</b>	<b>6.067</b>	<b>-0.2</b>	<b>100.00</b>	<b>17.545</b>	<b>3.2</b>	<b>100.00</b>	<b>5.734</b>	<b>14.4</b>	<b>100.00</b>	<b>0.000</b>	<b>0.0</b>	<b>0.00</b>	<b>13.548</b>	<b>-2.9</b>	<b>100.00</b>

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 &amp; Middling relate to coal companies[own washery].

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

(4) Data of Hard Coke relate to steel plants only. There are Private sector, specially in small scale sector, # JSPL &amp; SEML Companies (sources of Middlings Non-coking) are ceased to exist any more.

**TABLE 3.6 : SHARE OF RAW COAL DESPATCHES BY STATES DURING LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	State : Arunachal Pradesh			State: Assam			State: Chhattisgarh		
	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2006-07				1.182	0.28	1.03	80.526	19.18	7.37
2007-08	0.076	0.02	0.00	1.200	0.26	1.52	90.792	20.02	12.75
2008-09	0.129	0.03	69.74	0.835	0.17	-30.42	103.022	21.06	13.47
2009-10	0.226	0.04	75.19	1.071	0.21	28.26	106.921	20.81	3.78
2010-11	0.245	0.05	8.41	1.102	0.21	2.89	109.562	20.93	2.47
2011-12	0.322	0.06	31.43	0.800	0.15	-27.40	114.610	21.41	4.61
2012-13	0.055	0.01	-82.92	0.618	0.11	-22.75	121.058	21.35	5.63
2013-14	0.000	0.00	-	0.577	0.10	-6.63	124.674	21.79	2.99
2014-15	0.000	0.00	-	0.733	0.12	27.04	129.392	21.43	3.78
2015-16	0.000	0.00	-	0.342	0.05	-53.34	132.040	20.89	2.05

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)
2006-07	0.014	0.00	-30.00	84.292	20.08	5.80	59.996	14.29	9.18
2007-08	0.016	0.00	14.29	88.898	19.60	5.46	68.344	15.07	13.91
2008-09	0.012	0.00	-25.00	95.414	19.51	7.33	72.042	14.73	5.41
2009-10	0.017	0.00	41.67	99.863	19.44	4.66	73.481	14.30	2.00
2010-11	0.025	0.00	47.06	106.637	20.37	6.78	69.443	13.27	-5.50
2011-12	0.023	0.00	-8.00	109.792	20.51	2.96	69.560	12.99	0.17
2012-13	0.014	0.00	-39.13	119.276	21.03	8.64	60.411	10.65	-13.15
2013-14	0.013	0.00	-7.14	116.798	20.42	-2.08	63.096	11.03	4.44
2014-15	0.013	0.00	0.00	122.044	20.21	4.49	74.243	12.30	17.67
2015-16	0.015	0.00	15.38	118.072	18.68	-3.25	85.375	13.51	14.99

Year	State: Maharashtra			State: Meghalaya			State: Odisha		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2006-07	35.508	8.46	2.06	5.787	1.38	3.82	77.585	18.48	12.22
2007-08	37.389	8.24	5.30	6.541	1.44	11.53	85.147	18.77	9.75
2008-09	39.238	8.02	4.95	5.489	1.12	-19.17	93.316	19.08	9.59
2009-10	40.743	7.93	3.84	5.767	1.12	4.82	100.591	19.58	7.80
2010-11	38.240	7.31	-6.14	6.974	1.33	17.31	104.359	19.94	3.75
2011-12	38.108	7.12	-0.35	7.206	1.35	3.22	104.819	19.58	0.44
2012-13	38.316	6.76	0.55	5.640	0.99	-27.77	114.213	20.14	8.96
2013-14	37.205	6.50	-2.90	5.732	1.00	1.61	116.795	20.42	2.26
2014-15	38.553	6.39	3.62	2.524	0.42	-127.10	125.382	20.77	7.35
2015-16	36.444	5.76	-5.47	3.715	0.59	32.06	140.639	22.25	12.17

Contd....

**TABLE 3.6 : SHARE OF RAW COAL DESPATCHES BY STATES DURING LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	State: Telangana			State: Uttar Pradesh			State: West Bengal		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2006-07	37.487	8.93	6.13	12.393	2.95	-21.83	25.030	5.96	3.80
2007-08	41.793	9.21	11.49	11.216	2.47	-9.50	22.155	4.88	-11.49
2008-09	44.410	9.08	6.26	12.448	2.54	10.98	22.817	4.66	2.99
2009-10	49.266	9.59	10.93	13.587	2.64	9.15	22.259	4.33	-2.45
2010-11	50.046	9.56	1.58	15.393	2.94	13.29	21.439	4.10	-3.68
2011-12	51.389	9.60	2.68	15.467	2.89	0.48	23.203	4.33	8.23
2012-13	52.025	9.17	1.24	28.824	5.08	86.36	26.686	4.71	15.01
2013-14	47.892	8.37	-7.94	30.807	5.39	6.88	28.471	4.98	6.69
2014-15	52.662	8.72	9.96	29.021	4.81	-5.80	29.205	4.84	2.58
2015-16	58.238	9.21	10.59	31.815	5.03	9.63	25.474	4.03	-12.78

Year	All India	
	Quantity	Growth(%)
(41)	(42)	(43)
2006-07	<b>419.800</b>	<b>13.01</b>
2007-08	<b>453.567</b>	<b>8.04</b>
2008-09	<b>489.172</b>	<b>7.85</b>
2009-10	<b>513.792</b>	<b>5.03</b>
2010-11	<b>523.465</b>	<b>1.88</b>
2011-12	<b>535.299</b>	<b>2.26</b>
2012-13	<b>567.136</b>	<b>5.95</b>
2013-14	<b>572.060</b>	<b>0.87</b>
2014-15	<b>603.772</b>	<b>5.54</b>
2015-16	<b>632.169</b>	<b>4.70</b>

Note: The State of Telangana is carved out of the state of Andhra Pradesh w.e.f 2014-15

**TABLE 3.7 : SHARE OF LIGNITE DESPATCHES BY STATES DURING LAST TEN YEARS**

(Quantity in Million Tonnes)

Year	State: Tamilnadu			State: Gujarat		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2006-07	20.511	66.60	-0.19	9.819	31.88	7.77
2007-08	22.259	64.23	8.52	11.792	34.02	20.09
2008-09	20.748	65.26	-6.79	10.046	31.60	-14.81
2009-10	22.812	66.26	9.95	10.411	30.24	3.63
2010-11	23.081	61.25	1.18	13.079	34.71	25.63
2011-12	24.472	58.43	6.03	14.448	34.50	10.47
2012-13	24.312	52.49	-0.65	14.670	31.68	1.54
2013-14	24.438	55.67	0.52	11.831	26.95	-19.35
2014-15	24.088	51.30	-1.43	12.362	26.33	4.49
2015-16	22.493	53.29	-6.62	10.136	24.01	-18.01

Year	State: Rajasthan			ALL INDIA	
	Quantity	Share (%)	Growth (%)	Quantity	Growth (%)
(8)	(9)	(10)	(11)	(12)	(13)
2006-07	0.467	1.52	-31.02	<b>30.797</b>	<b>1.51</b>
2007-08	0.606	1.75	29.76	<b>34.657</b>	<b>12.53</b>
2008-09	0.999	3.14	64.85	<b>31.793</b>	<b>-8.26</b>
2009-10	1.207	3.51	20.82	<b>34.430</b>	<b>8.29</b>
2010-11	1.525	4.05	26.35	<b>37.685</b>	<b>9.45</b>
2011-12	2.963	7.07	94.30	<b>41.883</b>	<b>11.14</b>
2012-13	7.331	15.83	147.42	<b>46.313</b>	<b>10.58</b>
2013-14	7.628	17.38	4.05	<b>43.897</b>	<b>-5.22</b>
2014-15	10.504	22.37	37.70	<b>46.954</b>	<b>6.96</b>
2015-16	9.583	22.70	-8.77	<b>42.212</b>	<b>-10.10</b>

**TABLE 3.8 : TRENDS OF COMPANY WISE DESPATCHES OF COAL & LIGNITE DURING LAST THREE YEARS**  
(Quantity in Million Tonnes)

Company	2013-14			2014-15			2015-16		
	Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(8)	(9)	(10)	(8)	(9)	(10)	(8)	(9)	(10)
ECL	0.045	35.929	35.974	0.036	38.184	38.220	0.017	38.362	38.379
BCCL	31.496	2.562	34.058	30.093	3.514	33.607	32.914	3.250	36.164
CCL	18.679	33.442	52.121	19.359	35.978	55.337	18.799	40.783	59.582
NCL	0.000	71.892	71.892	0.000	73.518	73.518	0.000	78.532	78.532
WCL	0.268	39.671	39.939	0.232	41.008	41.240	0.200	42.106	42.306
SECL	0.123	121.890	122.013	0.125	123.084	123.209	0.108	136.474	136.582
MCL		114.342	114.342		122.996	122.996		140.214	140.214
NEC		0.577	0.577		0.733	0.733		0.342	0.342
<b>CIL</b>	<b>50.611</b>	<b>420.305</b>	<b>470.916</b>	<b>49.845</b>	<b>439.015</b>	<b>488.860</b>	<b>52.038</b>	<b>480.063</b>	<b>532.101</b>
SCCL		47.892	47.892		52.662	52.662		58.238	58.238
JKML		0.013	0.013		0.013	0.013		0.015	0.015
JSMDCL			0.000		0.408	0.408		0.197	0.197
DVC		0.045	0.045		0.055	0.055	0.392		0.392
IISCO	0.541	0.081	0.622	0.420	0.199	0.619	0.558	0.167	0.725
SAIL	0.044	0.031	0.075	0.024	0.001	0.025			0.000
RRVUNL		1.197	1.197		3.443	3.443		6.210	6.210
SECL(GP-IV/2&3)								2.152	2.152
DVC EMTA		1.523	1.523		1.006	1.006			
APMDTCL									
WBPDCCL		2.610	2.610		6.248	6.248			
PSEB-PANEM		5.852	5.852		3.454	3.454			
KECML		2.472	2.472		2.413	2.413			
WBMDCCL		0.734	0.734		1.111	1.111			
MPSMCL			0.000		1.505	1.505			
<b>Total Public</b>	<b>51.196</b>	<b>482.755</b>	<b>533.951</b>	<b>50.289</b>	<b>511.533</b>	<b>561.822</b>	<b>52.988</b>	<b>547.042</b>	<b>600.030</b>
TISCO	6.902	0.067	6.969	6.037	0.024	6.061	6.225	0.008	6.233
MEGHALAYA		5.732	5.732		2.524	2.524		3.715	3.715
HIL								0.012	0.012
SIL		0.159	0.159		0.196	0.196		0.163	0.163
SPL		1.845	1.845		9.261	9.261		16.842	16.842
GMR								0.425	0.425
BALCO								0.079	0.079
CESC								1.874	1.874
JPVL								2.796	2.796
ICML		3.278	3.278		3.771	3.771			
JSPL		5.999	5.999		5.989	5.989			
MIEL		0.905	0.905		1.022	1.022			
HIL		2.453	2.453		2.386	2.386			
BLA		0.300	0.300		0.300	0.300			
PIL		1.000	1.000		1.000	1.000			
JNL		0.394	0.394		0.777	0.777			
JPL		6.223	6.223		5.726	5.726			
ESCL	0.366	0.004	0.370	0.112	0.021	0.133			
UML		0.759	0.759		0.794	0.794			
SEML		1.117	1.117		1.266	1.266			
BSIL		0.027	0.027		0.136	0.136			
TUML/SVSL		0.300	0.300		0.208	0.208			
SOVA		0.279	0.279		0.400	0.400			
<b>Total Private</b>	<b>7.268</b>	<b>30.841</b>	<b>38.109</b>	<b>6.149</b>	<b>35.801</b>	<b>41.950</b>	<b>6.225</b>	<b>25.914</b>	<b>32.139</b>
<b>ALL INDIA</b>	<b>58.464</b>	<b>513.596</b>	<b>572.060</b>	<b>56.438</b>	<b>547.334</b>	<b>603.772</b>	<b>59.213</b>	<b>572.956</b>	<b>632.169</b>
<b>LIGNITE :</b>									
NLC			25.991			25.441			23.717
GMDCL			8.398			8.713			6.969
GIPCL			3.249			3.456			3.063
RSMML			1.428			1.405			0.972
GHCL			0.190			0.193			0.104
VSLPPL			0.839			0.823			0.824
BLMCL			3.802			6.923			6.563
<b>ALL INDIA</b>			<b>43.897</b>			<b>46.954</b>			<b>42.212</b>
<b>COAL &amp; LIGNITE</b>			<b>615.957</b>			<b>650.726</b>			<b>674.381</b>

**TABLE 3.9 : STATEWISE AND COMPANYWISE DESPATCHES OF RAW COAL BY TYPE IN LAST THREE YEARS**

(Quantity in Million Tonnes)

States	Company	2013-14			2014-15			2015-16		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Arunachal Pradesh</b>	<b>APMDTCL</b>			<b>0.000</b>			<b>0.000</b>			
<b>Assam</b>	<b>NEC</b>		0.577	<b>0.577</b>		0.733	<b>0.733</b>		0.342	<b>0.342</b>
Chhattisgarh	SECL	0.123	107.716	<b>107.839</b>	0.125	110.044	<b>110.169</b>	0.108	123.479	<b>123.587</b>
Chhattisgarh	SECL(GP-IV/2&3)			<b>0.000</b>			<b>0.000</b>		2.152	<b>2.152</b>
Chhattisgarh	HIL			<b>0.000</b>			<b>0.000</b>		0.012	<b>0.012</b>
Chhattisgarh	RRVUNL		1.197	<b>1.197</b>		3.443	<b>3.443</b>		6.210	<b>6.210</b>
Chhattisgarh	BALCO								0.079	<b>0.079</b>
Chhattisgarh	JSPL		5.999	<b>5.999</b>		5.989	<b>5.989</b>			
Chhattisgarh	MIEL		0.905	<b>0.905</b>		1.022	<b>1.022</b>			
Chhattisgarh	PIL		1.000	<b>1.000</b>		1.000	<b>1.000</b>			
Chhattisgarh	JNL		0.394	<b>0.394</b>		0.777	<b>0.777</b>			
Chhattisgarh	JPL		6.223	<b>6.223</b>		5.726	<b>5.726</b>			
Chhattisgarh	SEML		1.117	<b>1.117</b>		1.266	<b>1.266</b>			
<b>Chhattisgarh</b>	<b>TOTAL</b>	<b>0.123</b>	<b>124.551</b>	<b>124.674</b>	<b>0.125</b>	<b>129.267</b>	<b>129.392</b>	<b>0.108</b>	<b>131.932</b>	<b>132.040</b>
<b>Jammu &amp; Kashmir</b>	<b>JKML</b>		0.013	<b>0.013</b>		0.013	<b>0.013</b>		0.015	<b>0.015</b>
Jharkhand	ECL	0.038	17.301	<b>17.339</b>	0.029	18.646	<b>18.675</b>	0.017	17.450	<b>17.467</b>
Jharkhand	BCCL	30.257	2.388	<b>32.645</b>	29.551	3.124	<b>32.675</b>	30.908	2.721	<b>33.629</b>
Jharkhand	CCL	18.679	33.442	<b>52.121</b>	19.359	35.978	<b>55.337</b>	18.799	40.783	<b>59.582</b>
Jharkhand	JSMDCL			<b>0.000</b>		0.408	<b>0.408</b>		0.197	<b>0.197</b>
Jharkhand	DVC		0.045	<b>0.045</b>		0.055	<b>0.055</b>	0.392		<b>0.392</b>
Jharkhand	IISCO	0.541		<b>0.541</b>	0.420		<b>0.420</b>	0.558	0.014	<b>0.572</b>
Jharkhand	SAIL	0.044	0.031	<b>0.075</b>	0.024	0.001	<b>0.025</b>			<b>0.000</b>
Jharkhand	TISCO	6.902	0.067	<b>6.969</b>	6.037	0.024	<b>6.061</b>	6.225	0.008	<b>6.233</b>
Jharkhand	PSEB-PANEM		5.852	<b>5.852</b>		3.454	<b>3.454</b>			
Jharkhand	UML		0.759	<b>0.759</b>		0.794	<b>0.794</b>			
Jharkhand	WBPDCL		0.082	<b>0.082</b>		4.007	<b>4.007</b>			
Jharkhand	ESCL	0.366	0.004	<b>0.370</b>	0.112	0.021	<b>0.133</b>			
<b>Jharkhand</b>	<b>TOTAL</b>	<b>56.827</b>	<b>59.971</b>	<b>116.798</b>	<b>55.532</b>	<b>66.512</b>	<b>122.044</b>	<b>56.899</b>	<b>61.173</b>	<b>118.072</b>
Madhya Pradesh	NCL		41.085	<b>41.085</b>		44.497	<b>44.497</b>		46.717	<b>46.717</b>
Madhya Pradesh	WCL	0.268	5.424	<b>5.692</b>	0.232	5.408	<b>5.640</b>	0.200	5.825	<b>6.025</b>
Madhya Pradesh	SECL		14.174	<b>14.174</b>		13.040	<b>13.040</b>		12.995	<b>12.995</b>
Madhya Pradesh	JPVL								2.796	<b>2.796</b>
Madhya Pradesh	SPL		1.845	<b>1.845</b>		9.261	<b>9.261</b>		16.842	<b>16.842</b>
Madhya Pradesh	MPSMCL			<b>0.000</b>		1.505	<b>1.505</b>			
Madhya Pradesh	BLA		0.300	<b>0.300</b>		0.300	<b>0.300</b>			
<b>Madhya Pradesh</b>	<b>TOTAL</b>	<b>0.268</b>	<b>62.828</b>	<b>63.096</b>	<b>0.232</b>	<b>74.011</b>	<b>74.243</b>	<b>0.200</b>	<b>85.175</b>	<b>85.375</b>
Maharashtra	WCL		34.247	<b>34.247</b>		35.600	<b>35.600</b>		36.281	<b>36.281</b>
Maharashtra	SIL		0.159	<b>0.159</b>		0.196	<b>0.196</b>		0.163	<b>0.163</b>
Maharashtra	KECML		2.472	<b>2.472</b>		2.413	<b>2.413</b>			
Maharashtra	BSIL		0.027	<b>0.027</b>		0.136	<b>0.136</b>			
Maharashtra	TUML-SVSL		0.300	<b>0.300</b>		0.208	<b>0.208</b>			
<b>Maharashtra</b>	<b>TOTAL</b>	<b>0.000</b>	<b>37.205</b>	<b>37.205</b>	<b>0.000</b>	<b>38.553</b>	<b>38.553</b>	<b>0.000</b>	<b>36.444</b>	<b>36.444</b>
<b>Meghalaya</b>	<b>MEGHALAYA</b>		5.732	<b>5.732</b>		2.524	<b>2.524</b>		3.715	<b>3.715</b>
Odisha	MCL		114.342	<b>114.342</b>		122.996	<b>122.996</b>		140.214	<b>140.214</b>
Odisha	HIL		2.453	<b>2.453</b>		2.386	<b>2.386</b>			
Odisha	GMR			<b>0.000</b>			<b>0.000</b>		0.425	<b>0.425</b>
<b>Odisha</b>	<b>TOTAL</b>		<b>116.795</b>	<b>116.795</b>		<b>125.382</b>	<b>125.382</b>		<b>140.639</b>	<b>140.639</b>
<b>Telangana</b>	<b>SCCL</b>		47.892	<b>47.892</b>		52.662	<b>52.662</b>		58.238	<b>58.238</b>
<b>Uttar Pradesh</b>	<b>NCL</b>		30.807	<b>30.807</b>		29.021	<b>29.021</b>		31.815	<b>31.815</b>
West Bengal	ECL	0.007	18.628	<b>18.635</b>	0.007	19.538	<b>19.545</b>		20.912	<b>20.912</b>
West Bengal	BCCL	1.239	0.174	<b>1.413</b>	0.542	0.390	<b>0.932</b>	2.006	0.529	<b>2.535</b>
West Bengal	IISCO		0.081	<b>0.081</b>		0.199	<b>0.199</b>		0.153	<b>0.153</b>
West Bengal	CESC			<b>0.000</b>			<b>0.000</b>		1.874	<b>1.874</b>
West Bengal	WBPDCL		2.528	<b>2.528</b>		2.241	<b>2.241</b>			
West Bengal	ICML		3.278	<b>3.278</b>		3.771	<b>3.771</b>			
West Bengal	DVCEMTA		1.523	<b>1.523</b>		1.006	<b>1.006</b>			
West Bengal	WBMDTCL		0.734	<b>0.734</b>		1.111	<b>1.111</b>			
West Bengal	SOVA		0.279	<b>0.279</b>		0.400	<b>0.400</b>			
<b>West Bengal</b>	<b>TOTAL</b>	<b>1.246</b>	<b>27.225</b>	<b>28.471</b>	<b>0.549</b>	<b>28.656</b>	<b>29.205</b>	<b>2.006</b>	<b>23.468</b>	<b>25.474</b>
<b>Total Public</b>		<b>51.562</b>	<b>477.207</b>	<b>528.769</b>	<b>50.401</b>	<b>508.400</b>	<b>558.801</b>	<b>52.988</b>	<b>547.042</b>	<b>600.030</b>
<b>Total Private</b>		<b>6.902</b>	<b>36.389</b>	<b>43.291</b>	<b>6.037</b>	<b>38.934</b>	<b>44.971</b>	<b>6.225</b>	<b>25.914</b>	<b>32.139</b>
<b>All India</b>		<b>58.464</b>	<b>513.596</b>	<b>572.060</b>	<b>56.438</b>	<b>547.334</b>	<b>603.772</b>	<b>59.213</b>	<b>572.956</b>	<b>632.169</b>

**TABLE 3.10 : CAPTIVE BLOCK WISE DESPATCH OF RAW COAL DURING LAST TWO YEARS**

(Quantity in Million Tonnes)

Block	Company	State	2014-15			2015-16		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
Tasra	SAIL/IISCO	Jharkhand	0.024	0.001	<b>0.025</b>			<b>0.000</b>
Parsa East & Kanta Basan	RRVUNL	Chhattisgarh		3.443	<b>3.443</b>		6.210	<b>6.210</b>
Gare Palma IV/2&3	SECL(GP-IV/2&3)	Chhattisgarh					2.152	<b>2.152</b>
Amelia North	MPSMCL	Madhya Pradesh		1.505	<b>1.505</b>			
Baranj I-IV, Kiloni, Manora Deep	KECML	Maharashtra		2.413	<b>2.413</b>			
Barjora North	DVCEMTA	West Bengal		1.006	<b>1.006</b>			
Barjore	WBPDC	West Bengal		0.214	<b>0.214</b>			
Gangaramchak & Bhadulia	WBPDC	West Bengal		0.209	<b>0.209</b>			
Namchik Namphuk	APMDTCL	Arunachal Pradesh						
Pachwara Central	PSEB-PANEM	Jharkhand		3.454	<b>3.454</b>			
Panchwara North	WBPDC	Jharkhand		4.007	<b>4.007</b>			
Tara East & West	WBPDC	West Bengal		1.818	<b>1.818</b>			
Trans Damodar	WBMDTCL	West Bengal		1.111	<b>1.111</b>			
<b>Total Public</b>			<b>0.000</b>	<b>19.180</b>	<b>19.180</b>	<b>0.000</b>	<b>8.362</b>	<b>8.362</b>
Talabira I	GMR	Odisha					0.425	<b>0.425</b>
Sarshatali	CESC	West Bengal					1.874	<b>1.874</b>
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		9.261	<b>9.261</b>		16.842	<b>16.842</b>
Gare Palma IV/4 & 5	HIL	Chhattisgarh					0.012	<b>0.012</b>
Chotia	BALCO	Chhattisgarh					0.079	<b>0.079</b>
Belgaon	SIL	Maharashtra		0.196	<b>0.196</b>		0.163	<b>0.163</b>
Amelia North	JPVL	Madhya Pradesh					2.796	<b>2.796</b>
Ardhagram	SOVA	West Bengal		0.400	<b>0.400</b>			
Chotia	PIL	Chhattisgarh		1.000	<b>1.000</b>			
Gare Palma IV/1	JSPL	Chhattisgarh		5.989	<b>5.989</b>			
Gare Palma IV/2&3	JPL	Chhattisgarh		5.726	<b>5.726</b>			
Gare Palma IV/4	JNL	Chhattisgarh		0.777	<b>0.777</b>			
Gare Palma IV/5	MIEL	Chhattisgarh		1.022	<b>1.022</b>			
Gare Palma IV/7	SEML	Chhattisgarh		1.266	<b>1.266</b>			
Gotitoria East & West	BLA	Madhya Pradesh		0.300	<b>0.300</b>			
Kauthatia	UML	Jharkhand		0.794	<b>0.794</b>			
Marki Mangli I	BSIL	Maharashtra		0.136	<b>0.136</b>			
Marki Mangli II-III	TUML-SVSL	Maharashtra		0.208	<b>0.208</b>			
Parbatpur Central	ESCL	Jharkhand	0.112	0.021	<b>0.133</b>			
Sarshatali	ICML	West Bengal		3.771	<b>3.771</b>			
Talabira I	HIL	Odisha		2.386	<b>2.386</b>			
<b>Total Private</b>			<b>0.112</b>	<b>33.253</b>	<b>33.365</b>	<b>0.000</b>	<b>22.191</b>	<b>22.191</b>
<b>Grand Total</b>			<b>0.112</b>	<b>52.433</b>	<b>52.545</b>	<b>0.000</b>	<b>30.553</b>	<b>30.553</b>

**TABLE 3.11: GRADEWISE DESPATCH OF COKING COAL BY COMPANIES IN 2015-16**

(Quantity in Million Tonnes)

Companies	COKING COAL GRADE										
	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						0.017					0.017
BCCL	0.029	1.035		0.198	1.605	9.838	20.209				32.914
CCL						18.799					18.799
NCL										0.000	0.000
WCL					0.200						0.200
SECL			0.108							0.108	0.108
MCL										0.000	0.000
NEC										0.000	0.000
<b>CIL</b>	<b>0.029</b>	<b>1.035</b>	<b>0.108</b>	<b>0.198</b>	<b>1.805</b>	<b>28.654</b>	<b>20.209</b>	<b>0.000</b>	<b>0.000</b>	<b>52.038</b>	<b>52.038</b>
SCCL											0.000
JKML											0.000
JSMDCL											0.000
DVC							0.392				0.392
IISCO						0.075	0.483		0.558	0.000	0.558
SAIL										0.000	0.000
RRVUNL											0.000
SECL (GP-IV/2&3)											0.000
<b>Total Public</b>	<b>0.029</b>	<b>1.035</b>	<b>0.108</b>	<b>0.198</b>	<b>1.805</b>	<b>28.729</b>	<b>21.084</b>	<b>0.000</b>	<b>0.558</b>	<b>52.038</b>	<b>52.988</b>
TISCO					0.134	1.049	5.042	0.000	6.225	0.000	6.225
Meghalaya											0.000
SIL											0.000
HIL											0.000
SPL											0.000
GMR											0.000
BALCO											0.000
JPVL											0.000
CESC											0.000
<b>Total Private</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.134</b>	<b>1.049</b>	<b>5.042</b>	<b>0.000</b>	<b>6.225</b>	<b>0.000</b>	<b>6.225</b>
<b>ALL INDIA</b>	<b>0.029</b>	<b>1.035</b>	<b>0.108</b>	<b>0.198</b>	<b>1.939</b>	<b>29.778</b>	<b>26.126</b>	<b>0.000</b>	<b>6.783</b>	<b>52.038</b>	<b>59.213</b>

**TABLE 3.12: GRADEWISE DESPATCH OF NON COKING COAL BY COMPANIES IN 2015-16**

(Quantity in Million Tonnes)

Companies	NON-COKING COAL GRADE																			Total Non Coking	Total Coal
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	UNG			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	
ECL	0.094	1.310	14.124	4.920	1.408	2.334	0.184						13.988							38.362	38.379
BCCL			0.211	0.359	0.077	1.374	1.119		0.110											3.250	36.164
CCL				0.044	0.138	2.545	18.225				11.080	5.314	3.437							40.783	59.582
NCL					0.503	0.212	17.482	11.687		46.909		1.739								78.532	78.532
WCL				0.016	0.334	1.201	2.695	9.155	25.747	2.958										42.106	42.306
SECL			2.688	3.573	6.260	6.198	4.659	1.161	1.447	2.325	97.444	10.719								136.474	136.582
MCL					0.105			0.153	0.311	2.096	13.209	79.664	44.676							140.214	140.214
NEC	0.053	0.230		0.059																0.342	0.342
<b>CIL</b>	<b>0.053</b>	<b>0.324</b>	<b>4.209</b>	<b>18.175</b>	<b>12.337</b>	<b>12.938</b>	<b>46.514</b>	<b>22.340</b>	<b>27.615</b>	<b>54.288</b>	<b>121.733</b>	<b>97.436</b>	<b>62.101</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>480.063</b>	<b>532.101</b>
SCCL					0.712		10.694	1.163	9.528	8.761	12.409		11.022	1.401	1.734		0.631	0.183		58.238	58.238
JKML																	0.015			0.015	0.015
JSMDCCL												0.197								0.197	0.197
DVC																				0.000	0.392
IISCO				0.029		0.138														0.167	0.725
SAIL																				0.000	0.000
RRVUNL											6.210									6.210	6.210
SECL (GP-IV/2&3)														1.049	1.103					2.152	2.152
<b>Total Public</b>	<b>0.053</b>	<b>0.324</b>	<b>4.209</b>	<b>18.204</b>	<b>13.049</b>	<b>13.076</b>	<b>57.208</b>	<b>23.503</b>	<b>37.143</b>	<b>63.049</b>	<b>140.352</b>	<b>97.633</b>	<b>73.123</b>	<b>2.450</b>	<b>2.837</b>	<b>0.000</b>	<b>0.646</b>	<b>0.183</b>		<b>547.042</b>	<b>600.030</b>
TISCO												0.008								0.008	6.233
Meghalaya	3.715																			3.715	3.715
SIL								0.163												0.163	0.163
HIL									0.012											0.012	0.012
SPL										16.842										16.842	16.842
GMR													0.059	0.366						0.425	0.425
BALCO								0.079												0.079	0.079
JPVL											2.796									2.796	2.796
CESC											1.874									1.874	1.874
<b>Total Private</b>	<b>3.715</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.163</b>	<b>0.079</b>	<b>16.854</b>	<b>4.670</b>	<b>0.008</b>	<b>0.059</b>	<b>0.366</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>		<b>25.914</b>	<b>32.139</b>
<b>ALL INDIA</b>	<b>3.768</b>	<b>0.324</b>	<b>4.209</b>	<b>18.204</b>	<b>13.049</b>	<b>13.076</b>	<b>57.208</b>	<b>23.666</b>	<b>37.222</b>	<b>79.903</b>	<b>145.022</b>	<b>97.641</b>	<b>73.182</b>	<b>2.816</b>	<b>2.837</b>	<b>0.000</b>	<b>0.646</b>	<b>0.183</b>		<b>572.956</b>	<b>632.169</b>

**TABLE 3.13: MODEWISE COMPANYWISE DESPATCHES OF RAW COAL IN 2015-16 ( External & Internal )**

(Quantity of Million Tonnes)

Company	YEAR 2015-16 (External)							YEAR 2015 - 16 (Internal)							Total Despatch
	Rail	Road	MGR	Rope	Belt	Other	Total External	Rail	Road	MGR	Rope	Belt	Other	Total Internal	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ECL	26.444	1.679	10.256				38.379							0.000	38.379
BCCL	27.560	6.193					33.753	1.049	1.362					2.411	36.164
CCL	26.771	19.725					46.496		13.086					13.086	59.582
NCL	27.857	6.799	38.751		1.840		75.247		3.285					3.285	78.532
WCL	27.140	11.860	0.255	1.968	0.929		42.152					0.154		0.154	42.306
SECL	46.876	54.798	25.066		7.136	2.706	136.582							0.000	136.582
MCL	89.080	34.515	15.231		1.388		140.214							0.000	140.214
NEC	0.274	0.068					0.342							0.000	0.342
<b>CIL</b>	<b>272.002</b>	<b>135.637</b>	<b>89.559</b>	<b>1.968</b>	<b>11.293</b>	<b>2.706</b>	<b>513.165</b>	<b>1.049</b>	<b>17.733</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.154</b>	<b>18.936</b>	<b>532.101</b>
SCCL	38.179	8.999	8.611	0.459		1.990	58.238							0.000	58.238
JKML		0.015					0.015							0.000	0.015
JSMDCL		0.197					0.197							0.000	0.197
DVC		0.392					0.392							0.000	0.392
IISCO		0.167					0.167	0.302		0.065	0.191			0.558	0.725
SAIL	0.000	0.000					0.000							0.000	0.000
RRUVNL							0.000						6.210	6.210	6.210
SECL(GP-IV/2&3)		2.152					2.152							0.000	2.152
<b>PUBLIC</b>	<b>310.181</b>	<b>147.559</b>	<b>98.170</b>	<b>2.427</b>	<b>11.293</b>	<b>4.696</b>	<b>574.326</b>	<b>1.049</b>	<b>18.035</b>	<b>0.000</b>	<b>0.065</b>	<b>0.191</b>	<b>6.364</b>	<b>25.704</b>	<b>600.030</b>
TISCO							0.000	0.271		0.222	5.740			6.233	6.233
MEG		3.715					3.715							0.000	3.715
CESC		0.115					0.115	1.759						1.759	1.874
HIL		0.012					0.012							0.000	0.012
GMR		0.425					0.425							0.000	0.425
BALCO		0.079					0.079							0.000	0.079
SIL	0.163						0.163							0.000	0.163
JPVL	2.796						2.796							0.000	2.796
SPL		0.000			16.842		16.842							0.000	16.842
<b>PRIVATE</b>	<b>2.959</b>	<b>4.346</b>	<b>0.000</b>	<b>0.000</b>	<b>16.842</b>	<b>0.000</b>	<b>24.147</b>	<b>0.000</b>	<b>2.030</b>	<b>0.000</b>	<b>0.222</b>	<b>5.740</b>	<b>0.000</b>	<b>7.992</b>	<b>32.139</b>
<b>GRAND TOTAL</b>	<b>313.140</b>	<b>151.905</b>	<b>98.170</b>	<b>2.427</b>	<b>28.135</b>	<b>4.696</b>	<b>598.473</b>	<b>1.049</b>	<b>20.065</b>	<b>0.000</b>	<b>0.287</b>	<b>5.931</b>	<b>6.364</b>	<b>33.696</b>	<b>632.169</b>

**TABLE 3.14: COMPANYWISE OFF-TAKE OF RAW COAL & LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2015-16**

(Quantity of Million Tonnes)

Company	Power (Utility)	Power (Captive)	Steel	Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Metal (Aluminium etc)	Chemical	Pulp & Paper	Textiles & Rayons	Bricks	Other	Total Despatches	Colliery Consumption	Total Offtake
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
<b>COAL :</b>																
ECL	35.775	0.090		0.204	0.088		0.063		0.017	0.044	0.003	0.014	2.081	38.379	0.227	38.606
BCCL	28.993	0.000	0.907			1.031							5.233	36.164	0.049	36.213
CCL	33.517	1.845	4.276			0.239	0.593		0.018				19.094	59.582	0.001	59.583
NCL	69.549	3.929			0.208		0.102	0.246					4.498	78.532		78.532
WCL	31.791	1.958	0.200		1.709		0.329		0.071	0.380	0.075		5.793	42.306	0.004	42.310
SECL	105.403	5.288	0.108	0.216	2.959	1.021	3.284		0.000	0.162	0.042		18.099	136.582	0.014	136.596
MCL	93.173	18.292			0.240	0.004	3.166						25.339	140.214	0.005	140.219
NEC	0.000	0.175			0.022					0.037			0.108	0.342		0.342
<b>CIL</b>	<b>398.201</b>	<b>31.577</b>	<b>5.491</b>	<b>0.420</b>	<b>5.226</b>	<b>2.295</b>	<b>7.537</b>	<b>0.246</b>	<b>0.106</b>	<b>0.623</b>	<b>0.120</b>	<b>0.014</b>	<b>80.245</b>	<b>532.101</b>	<b>0.300</b>	<b>532.401</b>
SCCL	47.563	2.110	0.117		3.668		0.098	0.194	0.225	0.578	0.147	0.014	3.524	58.238	0.034	58.272
JKML					0.002						0.001	0.012		0.015		0.015
JSMDCL	0.100				0.030		0.030					0.037		0.197		0.197
DVC		0.392												0.392		0.392
IISCO			0.558	0.153									0.014	0.725		0.725
SAIL			0.000	0.000										0.000		0.000
RRVUNL		6.210												6.210		6.210
SECL(GP-IV/2&3)													2.152	2.152		2.152
<b>PUBLIC</b>	<b>445.864</b>	<b>40.289</b>	<b>6.166</b>	<b>0.573</b>	<b>8.926</b>	<b>2.295</b>	<b>7.665</b>	<b>0.440</b>	<b>0.331</b>	<b>1.201</b>	<b>0.268</b>	<b>0.077</b>	<b>85.935</b>	<b>600.030</b>	<b>0.334</b>	<b>600.364</b>
TISCO			6.207										0.026	6.233	0.001	6.234
MEG													3.715	3.715		3.715
CESC	0.115	1.759												1.874		1.874
HIL		0.012												0.012		0.012
GMR		0.425												0.425		0.425
BALCO		0.079												0.079		0.079
SIL		0.065					0.098							0.163		0.163
JPVL		2.796												2.796		2.796
SPL		16.842												16.842		16.842
<b>PRIVATE</b>	<b>0.115</b>	<b>21.978</b>	<b>6.207</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.098</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>3.741</b>	<b>32.139</b>	<b>0.001</b>	<b>32.140</b>
<b>GRAND TOTAL</b>	<b>445.979</b>	<b>62.267</b>	<b>12.373</b>	<b>0.573</b>	<b>8.926</b>	<b>2.295</b>	<b>7.763</b>	<b>0.440</b>	<b>0.331</b>	<b>1.201</b>	<b>0.268</b>	<b>0.077</b>	<b>89.676</b>	<b>632.169</b>	<b>0.335</b>	<b>632.504</b>
<b>LIGNITE:</b>																
GIPCL		3.063												3.063		3.063
GMDCL		3.124			0.113	0.003			0.267	0.384	1.723	0.384	0.971	6.969		6.969
GHCL		0.104												0.104		0.104
NLCL	21.954	1.627		0.000	0.048				0.002	0.053	0.001	0.009	0.023	23.717		23.717
RSMML	0.000	0.283			0.087				0.000	0.000	0.004		0.598	0.972		0.972
VSLPPL		0.824												0.824		0.824
BLMCL		6.563												6.563		6.563
<b>TOTAL</b>	<b>21.954</b>	<b>15.588</b>	<b>0.000</b>	<b>0.000</b>	<b>0.248</b>	<b>0.003</b>	<b>0.000</b>	<b>0.000</b>	<b>0.269</b>	<b>0.437</b>	<b>1.728</b>	<b>0.393</b>	<b>1.592</b>	<b>42.212</b>	<b>0.000</b>	<b>42.212</b>

**TABLE 3.15 : AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2014-15 & 2015-16**

(Quantity in Million Tonnes)

Company	2014-15							2015-16								
	AVAILABILITY			OFF-TAKE				Closing Stock	AVAILABILITY			OFF-TAKE				Closing Stock
	Opening Stock	Production	Total	Despatches	Colliery Consumption	Total	Opening Stock		Production	Total	Despatches	Colliery Consumption	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		
CIL	48.683	494.234	<b>542.917</b>	488.860	0.512	<b>489.372</b>	53.491	53.491	536.475	<b>589.966</b>	532.101	0.300	<b>532.401</b>	57.556		
SCCL	5.548	52.536	<b>58.084</b>	52.662	0.063	<b>52.725</b>	5.348	5.348	60.380	<b>65.728</b>	58.238	0.034	<b>58.272</b>	6.460		
JKML	0.013	0.013	<b>0.026</b>	0.013		<b>0.013</b>	0.013	0.013	0.015	<b>0.028</b>	0.015		<b>0.015</b>	0.013		
JSMDC	0.000	0.415	<b>0</b>	0.408		<b>0</b>	0.007	0.007	0.190	<b>0</b>	0.197		<b>0</b>	0.000		
DVC	0.020	0.066	<b>0.086</b>	0.055		<b>0.055</b>	0.030	0.030	0.403	<b>0.433</b>	0.392		<b>0.392</b>	0.041		
IISCO	0.009	0.626	<b>0.635</b>	0.619		<b>0.619</b>	0.013	0.013	0.727	<b>0.740</b>	0.725		<b>0.725</b>	0.012		
SAIL	0.000	0.025	<b>0.025</b>	0.025		<b>0.025</b>	0.000	0.000	0.000	<b>0.000</b>	0.000		<b>0.000</b>	0.000		
RRVUNL	0.000	3.443	<b>3.443</b>	3.443		<b>3.443</b>	0.000	0.000	6.210	<b>6.210</b>	6.210		<b>6.210</b>	0.000		
SECL(GP-IV/2&3)									2.278	<b>2.278</b>	2.152		<b>2.152</b>	0.126		
DVC EMTA	0.005	1.001	<b>1.006</b>	1.006		<b>1.006</b>	0.000									
APMDTCL	0.000	0.000	<b>0.000</b>	0.000		<b>0.000</b>	0.000									
WBPDC	0.034	6.221	<b>6.255</b>	6.248		<b>6.248</b>	0.008									
WBMDTCL	0.077	1.041	<b>1.118</b>	1.111		<b>1.111</b>	0.007									
PSEB-PANEM	0.110	3.433	<b>3.543</b>	3.454		<b>3.454</b>	0.089									
KECML		2.478	<b>2.478</b>	2.413		<b>2.413</b>	0.095									
MPSMCL		1.500	<b>1.500</b>	1.505		<b>1.505</b>	0.000									
<b>PUBLIC</b>	<b>54.499</b>	<b>567.032</b>	<b>621.531</b>	<b>561.822</b>	<b>0.575</b>	<b>562.397</b>	<b>59.101</b>	<b>58.902</b>	<b>606.678</b>	<b>665.580</b>	<b>600.030</b>	<b>0.334</b>	<b>600.364</b>	<b>64.208</b>		
TISCO	0.017	6.043	<b>6.060</b>	6.061	0.001	<b>6.062</b>	0.012	0.012	6.228	<b>6.240</b>	6.233	0.001	<b>6.234</b>	0.007		
Meghalaya		2.524	<b>2.524</b>	2.524		<b>2.524</b>	0.000	0.000	3.715	<b>3.715</b>	3.715		<b>3.715</b>	0.000		
HIL	0.144	2.248	<b>2.392</b>	2.386		<b>2.386</b>	0.008	0.008	0.069	<b>0.077</b>	0.012		<b>0.012</b>	0.057		
SIL	0.009	0.196	<b>0.205</b>	0.196		<b>0.196</b>	0.009	0.009	0.165	<b>0.174</b>	0.163		<b>0.163</b>	0.011		
SPL	0.000	9.406	<b>9.406</b>	9.261		<b>9.261</b>	0.145	0.145	17.022	<b>17.167</b>	16.842		<b>16.842</b>	0.326		
GMR									0.560	<b>0.560</b>	0.425		<b>0.425</b>	0.136		
BALCO									0.120	<b>0.120</b>	0.079		<b>0.079</b>	0.041		
CESC									1.877	<b>1.877</b>	1.874		<b>1.874</b>	0.003		
JPVL									2.800	<b>2.800</b>	2.796		<b>2.796</b>	0.004		
ICML	0.278	3.449	<b>3.727</b>	3.771		<b>3.771</b>	0.000									
JSPL	0.010	5.989	<b>5.999</b>	5.989		<b>5.989</b>	0.010									
MIEL	0.022	1.000	<b>1.022</b>	1.022		<b>1.022</b>	0.000									
BLA	0.000	0.300	<b>0.300</b>	0.300		<b>0.300</b>	0.000									
PIL	0.001	1.000	<b>1.001</b>	1.000		<b>1.000</b>	0.000									
JNL	0.076	0.703	<b>0.779</b>	0.777		<b>0.777</b>	0.002									
JPL	0.005	6.248	<b>6.253</b>	5.726		<b>5.726</b>	0.000									
ESCL	0.157	0.433	<b>0.590</b>	0.133		<b>0.133</b>	0.037									
UML	0.004	0.790	<b>0.794</b>	0.794		<b>0.794</b>	0.000									
SEML	0.131	1.189	<b>1.320</b>	1.266		<b>1.266</b>	0.054									
BSIL	0.109	0.031	<b>0.140</b>	0.136		<b>0.136</b>	0.004									
TUML-SVSL	0.017	0.198	<b>0.215</b>	0.208		<b>0.208</b>	0.007									
SOVA	0.000	0.400	<b>0.400</b>	0.400		<b>0.400</b>	0.000									
<b>PRIVATE</b>	<b>0.980</b>	<b>42.147</b>	<b>43.127</b>	<b>41.950</b>	<b>0.001</b>	<b>41.951</b>	<b>0.288</b>	<b>0.174</b>	<b>32.556</b>	<b>32.730</b>	<b>32.139</b>	<b>0.001</b>	<b>32.140</b>	<b>0.585</b>		
<b>INDIA</b>	<b>55.514</b>	<b>609.179</b>	<b>664.658</b>	<b>603.772</b>	<b>0.576</b>	<b>604.348</b>	<b>59.389</b>	<b>59.389</b>	<b>639.234</b>	<b>698.310</b>	<b>632.169</b>	<b>0.335</b>	<b>632.504</b>	<b>64.793</b>		

**TABLE-4.1. TRENDS OF PIT-HEAD CLOSING STOCK OF DIFFERENT SOLID FOSSIL FUELS IN LAST TEN YEARS**  
(Quantity in Million Tonnes)

Year	Raw coal			Lignite			Total solid fossil fuel	
	Pit-head Closing Stock	Share in total solid fossil fuel (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total solid fossil fuel (%)	Change over previous year (%)	Pit-head Closing Stock	Change over previous year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2006-07	44.348	97.79	29.17	1.002	2.21	90.86	45.350	30.10
2007-08	46.779	99.30	5.48	0.328	0.70	-67.27	47.107	3.87
2008-09	47.317	98.13	1.15	0.903	1.87	175.30	48.220	2.36
2009-10	64.863	99.14	37.08	0.565	0.86	-37.43	65.428	35.69
2010-11	72.192	99.16	11.30	0.610	0.84	7.96	72.802	11.27
2011-12	74.040	98.60	2.56	1.051	1.40	72.30	75.091	3.14
2012-13	63.049	97.69	-14.84	1.493	2.31	42.06	64.542	-14.05
2013-14	55.514	96.76	-11.95	1.860	3.24	24.58	57.374	-11.11
2014-15	59.389	94.92	6.98	3.176	5.08	70.75	62.565	9.05
2015-16	64.793	93.09	9.10	4.809	6.91	51.42	69.602	11.25

**TABLE-4.2 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2015-16**

(Quantity in Million Tonnes)

Month	Raw Coal	Lignite	Washed Coal (Coking)	Washed Coal (Non-Coking)	Middlings (Coking)	# Middlings (Non-Coking)	Hard Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Apr-15	56.766	1.993	0.206	0.545	0.686	0.000	0.050
May-15	53.952	1.496	0.199	0.558	0.633	0.000	0.073
Jun-15	50.887	1.464	0.268	0.785	0.778	0.000	0.063
<b>1st Quarter</b>	<b>50.887</b>	<b>4.953</b>	<b>0.268</b>	<b>0.785</b>	<b>0.778</b>	<b>0.000</b>	<b>0.063</b>
Jul-15	43.929	1.290	0.186	0.827	0.703	0.000	0.052
Aug-15	39.306	1.417	0.181	0.936	0.626	0.000	0.074
Sep-15	36.014	1.366	0.252	0.788	0.410	0.000	0.046
<b>2nd Quarter</b>	<b>36.014</b>	<b>4.073</b>	<b>0.252</b>	<b>0.788</b>	<b>0.410</b>	<b>0.000</b>	<b>0.046</b>
Oct-15	36.138	1.810	0.257	0.910	0.494	0.000	0.067
Nov-15	38.464	1.553	0.188	0.729	0.571	0.000	0.071
Dec-15	41.876	1.388	0.254	0.913	0.574	0.000	0.100
<b>3rd Quarter</b>	<b>41.876</b>	<b>4.751</b>	<b>0.254</b>	<b>0.913</b>	<b>0.574</b>	<b>0.000</b>	<b>0.100</b>
Jan-16	47.759	1.843	0.225	1.051	0.513	0.000	0.151
Feb-16	53.142	3.241	0.250	1.018	0.563	0.000	0.147
Mar-16	64.793	4.809	0.222	0.995	0.542	0.000	0.125
<b>4th Quarter</b>	<b>64.793</b>	<b>9.893</b>	<b>0.222</b>	<b>0.995</b>	<b>0.542</b>	<b>0.000</b>	<b>0.125</b>

# JSPL &amp; SEML Companies (sources of Middlings Non-coking) are ceased to exist any more.

**TABLE-4.3 : TRENDS OF PIT-HEAD CLOSING STOCK OF RAW COAL AND LIGNITE BY COMPANIES IN LAST THREE YEARS**  
(Quantity in Million Tonnes)

Company	2013-14		2014-15		2015-16	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>COAL :</b>						
ECL	1.913	3.45	3.451	5.81	5.055	7.80
BCCL	3.576	6.44	4.362	7.34	4.015	6.20
CCL	9.405	16.94	9.718	16.36	11.460	17.69
NCL	6.107	11.00	4.898	8.25	6.590	10.17
WCL	5.600	10.09	5.501	9.26	8.007	12.36
SECL	7.764	13.99	12.816	21.58	11.876	18.33
MCL	14.149	25.49	12.530	21.10	10.194	15.73
NEC	0.169	0.30	0.215	0.36	0.359	0.55
<b>CIL</b>	<b>48.683</b>	<b>87.69</b>	<b>53.491</b>	<b>90.07</b>	<b>57.556</b>	<b>88.83</b>
SCCL	5.548	9.99	5.348	9.01	6.460	9.97
JKML	0.013	0.02	0.013	0.02	0.013	0.02
JSMDCL	0.000	0.00	0.007	0.01	0.000	0.00
DVC	0.020	0.04	0.030	0.05	0.041	0.06
IISCO	0.009	0.02	0.013	0.02	0.012	0.02
SAIL	0.000	0.00	0.000	0.00	0.000	0.00
RRVUNL						
SECL(GP-IV/2&3)					0.126	0.19
DVC EMTA	0.005	0.01	0.000	0.00		
APMDTCL	0.000	0.00	0.000	0.00		
WBPDCCL	0.034	0.06	0.008	0.01		
PSEB-PANEM	0.110	0.20	0.089	0.15		
KECML	0.030	0.05	0.095	0.16		
WBMDTCL	0.077	0.14	0.007	0.01		
MPSMCL	0.005	0.01	0.000	0.00		
<b>PUBLIC</b>	<b>54.534</b>	<b>98.23</b>	<b>59.101</b>	<b>99.52</b>	<b>64.208</b>	<b>99.10</b>
TISCO	0.017	0.03	0.012	0.02	0.007	0.01
Meghalaya	0.000	0.00	0.000	0.00	0.000	0.00
HIL	0.144	0.26	0.008	0.01	0.057	0.09
SIL	0.009	0.02	0.009	0.02	0.011	0.02
SPL	0.000	0.00	0.145	0.24	0.326	0.50
GMR					0.136	0.21
BALCO					0.041	0.06
CESC					0.003	0.00
JPVL					0.004	0.01
ICML	0.278	0.50	0.000	0.00		
JSPL	0.010	0.02	0.010	0.02		
MIEL	0.022	0.04	0.000	0.00		
BLA	0.000	0.00	0.000	0.00		
PIL	0.001	0.00	0.000	0.00		
JNL	0.076	0.14	0.002	0.00		
JPL	0.005	0.01	0.000	0.00		
ESCL	0.157	0.28	0.037	0.06		
UML	0.004	0.01	0.000	0.00		
SEML	0.131	0.24	0.054	0.09		
BSIL	0.109	0.20	0.004	0.01		
TUML/SVSL	0.017	0.03	0.007	0.01		
SOVA	0.000	0.00	0.000	0.00		
<b>PRIVATE</b>	<b>0.980</b>	<b>1.77</b>	<b>0.288</b>	<b>0.48</b>	<b>0.585</b>	<b>0.90</b>
<b>ALL INDIA</b>	<b>55.514</b>	<b>100.00</b>	<b>59.389</b>	<b>100.00</b>	<b>64.793</b>	<b>100.00</b>
<b>LIGNITE :</b>						
NLC	1.739	93.49	2.842	89.48	4.573	95.09
GMDCL						
GIPCL	0.053	2.85				
GHCL	0.016	0.86	0.023	0.72	0.011	0.23
RSMML						
VSLPPL	0.051		0.233		0.031	
BLMCL	0.001	0.05	0.078	2.46	0.194	4.03
<b>ALL INDIA</b>	<b>1.860</b>	<b>97.26</b>	<b>3.176</b>	<b>92.66</b>	<b>4.809</b>	<b>99.36</b>
<b>COAL &amp; LIGNITE</b>	<b>57.374</b>		<b>62.565</b>		<b>69.602</b>	

**TABLE - 4.4 : CAPTIVE BLOCK WISE CLOSING STOCK OF RAW COAL DURING LAST TWO YEARS**

(Quantity in Million Tonnes)

Block	Company	State	2014-15			2015-16		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Gare Palma IV/2&3	SECL(GP-IV/2&3)	Chhattisgarh					0.126	<b>0.126</b>
Parsa East & Kanta Basan	RRUVNL	Chhattisgarh						<b>0.000</b>
Tasra	SAIL/IISCO	Jharkhand						<b>0.000</b>
Amelia North	MPSMCL	Madhya Pradesh			<b>0.000</b>			
Baranj I-IV, Kiloni, Manora Deep	KECML	Maharashtra		0.095	<b>0.095</b>			
Barjora North	DVCEMTA	West Bengal			<b>0.000</b>			
Barjore	WBPDCCL	West Bengal		0.001	<b>0.001</b>			
Gangaramchak & Bhadulia	WBPDCCL	West Bengal			<b>0.000</b>			
Namchik Namphuk	APMDTCL	Arunachal Pradesh			<b>0.000</b>			
Panchwara North	WBPDCCL	Jharkhand		0.007	<b>0.007</b>			
Panchwara North	PSEB-PANEM	Jharkhand		0.089	<b>0.089</b>			
Tara East & West	WBPDCCL	West Bengal			<b>0.000</b>			
Trans Damodar	WBMDTCL	West Bengal			<b>0.000</b>			
<b>Total Public</b>			<b>0.000</b>	<b>0.192</b>	<b>0.192</b>	<b>0.000</b>	<b>0.126</b>	<b>0.126</b>
Belgaon	SIL	Maharashtra		0.009	<b>0.009</b>		0.011	<b>0.011</b>
Chotia	BALCO	Chhattisgarh					0.041	<b>0.041</b>
Gare Palma IV/4 & 5	HIL	Chhattisgarh					0.057	<b>0.057</b>
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		0.145	<b>0.145</b>		0.326	<b>0.326</b>
Sarshatali	CESC	West Bengal					0.003	<b>0.003</b>
Amelia North	JPVL	Madhya Pradesh					0.004	<b>0.004</b>
Talabira I	GMR	Odisha					0.136	<b>0.136</b>
Ardhagram	SOVA	West Bengal			<b>0.000</b>			
Chotia	PIL	Chhattisgarh			<b>0.000</b>			
Gare Palma IV/1	JSPL	Chhattisgarh		0.010	<b>0.010</b>			
Gare Palma IV/2&3	JPL	Chhattisgarh			<b>0.000</b>			
Gare Palma IV/4	JNL	Chhattisgarh		0.002	<b>0.002</b>			
Gare Palma IV/5	MIEL	Chhattisgarh			<b>0.000</b>			
Gare Palma IV/7	SEML	Chhattisgarh		0.054	<b>0.054</b>			
Gotitoria East & West	BLA	Madhya Pradesh			<b>0.000</b>			
Kauthia	UML	Jharkhand			<b>0.000</b>			
Marki Mangli I	BSIL	Maharashtra		0.004	<b>0.004</b>			
Marki Mangli II-III	TUML-SVSL	Maharashtra		0.007	<b>0.007</b>			
Parbatpur Central	ESCL	Jharkhand	0.041	0.066	<b>0.107</b>			
Sarshatali	ICML	West Bengal			<b>0.000</b>			
Talabira I	HIL	Odisha		0.009	<b>0.009</b>			
<b>Total Private</b>			<b>0.041</b>	<b>0.306</b>	<b>0.347</b>	<b>0.000</b>	<b>0.578</b>	<b>0.578</b>
<b>Grand Total</b>			<b>0.041</b>	<b>0.498</b>	<b>0.539</b>	<b>0.000</b>	<b>0.704</b>	<b>0.704</b>

**TABLE - 5.1 : YEAR WISE IMPORT OF COAL, COKE AND LIGNITE TO INDIA DURING LAST TEN YEARS**

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

Year	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2006-07	17.877	101806	25.204	65080	<b>43.081</b>	<b>166886</b>	4.686	40211		
2007-08	22.029	121025	27.765	86358	<b>49.794</b>	<b>207384</b>	4.248	51231		
2008-09	21.080	226140	37.923	187268	<b>59.003</b>	<b>413408</b>	1.881	46051		
2009-10	24.690	201311	48.565	190489	<b>73.255</b>	<b>391800</b>	2.355	33311		
2010-11	19.484	208621	49.434	206875	<b>68.918</b>	<b>415496</b>	1.490	31204		
2011-12	31.801	424692	71.052	363683	<b>102.853</b>	<b>788376</b>	2.365	47585		
2012-13	35.557	378398	110.228	490057	<b>145.785</b>	<b>868455</b>	3.081	56919	0.001	10
2013-14	36.872	348319	129.985	574973	<b>166.857</b>	<b>923292</b>	4.171	67995	0.001	24
2014-15	43.715	337656	174.068	707411	<b>217.783</b>	<b>1045066</b>	3.294	43806	0.001	17
2015-16	43.506	276630	156.378	568405	<b>199.884</b>	<b>845035</b>	3.068	32632	0.001	15

**TABLE - 5.2 : YEAR WISE EXPORT OF COAL, COKE AND LIGNITE FROM INDIA DURING LAST TEN YEARS**

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

Year	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2006-07	0.107	222	1.447	2915	<b>1.554</b>	<b>3137</b>	0.076	323		
2007-08	0.036	84	1.591	2684	<b>1.627</b>	<b>2768</b>	0.097	987		
2008-09	0.109	245	1.546	3240	<b>1.655</b>	<b>3485</b>	1.338	7246		
2009-10	0.270	696	2.180	4347	<b>2.450</b>	<b>5042</b>	0.129	2080		
2010-11	0.111	265	1.764	4544	<b>1.875</b>	<b>4809</b>	0.729	11647		
2011-12	0.097	287	1.917	5525	<b>2.014</b>	<b>5900</b>	0.613	11525		
2012-13	0.056	302	2.387	8349	<b>2.443</b>	<b>8651</b>	1.201	6017	0.069	360
2013-14	0.008	35	2.180	10805	<b>2.188</b>	<b>10840</b>	0.154	1521	0.002	61
2014-15	0.042	413	1.196	6784	<b>1.238</b>	<b>7197</b>	0.102	1140	0.003	40
2015-16	0.064	650	1.186	7084	<b>1.250</b>	<b>7734</b>	0.103	1176	0.001	9

**Note:****Source:** DGCI & S, KOLKATA

(1) Coke also includes soft coke, retort carbon which are negligible

(2) Some figures may not match with DGCI&amp;S publication due to subsequent corrections and roundings.

(3) Coking coal, appeared to be exported from Meghalaya, should be treated as non coking coal for accounting purpose.

(4) Export data for 2009-10 and 2010-11 are revised.

**TABLE 5.3 : SOURCE COUNTRY-WISE IMPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2015-16**

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

Country	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Afghanistan	0.000	0			0.000	0				
Australia	37.974	241186	9.583	46640	47.557	287826	0.193	2100		
Austria			0.000	0	0.000	0				
Baharain Is			0.017	69	0.017	69				
Bhutan			0.005	18	0.005	18				
Canada	1.355	8396	0.197	934	1.552	9330				
Chile			0.773	2174	0.773	2174				
China P Rp			0.480	1775	0.480	1775	2.155	21977	0.0009	10
Colombia			0.000	9	0.000	9	0.062	796		
Denmark					0.000	0	0.000	2		
Estonia					0.000	0		0		
Germany			0.000	1	0.000	1		0		
Iceland			0.039	152	0.039	152				
Indonesia	0.149	848	96.041	315364	96.190	316213				
Iran					0.000	0	0.000	0		
Ireland					0.000	0	0.000	1		
Japan					0.000	0	0.176	1904		
Latvia			0.002	22	0.002	22	0.006	68		
Lithuania					0.000	0	0.000	9		
Mauritius			0.000	0	0.000	0				
Moldova			0.070	240	0.070	240				
Mozambique	1.855	11010	0.809	2759	2.665	13769				
Netherland			0.000	3	0.000	3				
New Zealand	0.620	4118	0.061	258	0.681	4376				
Oman			0.110	562	0.110	562	0.046	654		
Poland					0.000	0	0.353	4234		
Russia	0.004	31	3.818	20169	3.822	20200	0.072	857		
Saudi Arab			0.008	24	0.008	24	0.002	11		
Singapore			0.020	48	0.020	48				
South Africa	0.264	1719	35.817	137618	36.080	139337				
Spain	0.109	703			0.109	703				
Thailand			0.000	2	0.000	2				
U Arab Emts	0.012	94			0.012	94				
U K	0.002	37	0.006	55	0.008	92	0.000	7		
U S A	1.161	8488	4.582	23912	5.744	32399			0.0001	5
Ukraine			0.054	334	0.054	334	0.001	11		
Vietnam Soc Rep			0.034	463	0.034	463				
Unspecified			3.851	14800	3.851	14800				
<b>TOTAL</b>	<b>43.506</b>	<b>276630</b>	<b>156.378</b>	<b>568405</b>	<b>199.884</b>	<b>845035</b>	<b>3.068</b>	<b>32632</b>	<b>0.0010</b>	<b>15</b>

Source: DGCI &amp; S, KOLKATA

**TABLE 5.4 : DESTINATION COUNTRY-WISE EXPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2015-16**

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

Country	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Baharain Is			0.000	0	<b>0.000</b>	<b>0</b>				
Bangladesh Pr	0.000	0	0.611	3285	<b>0.611</b>	<b>3285</b>	0.001	9		
Belgium					<b>0.000</b>	<b>0</b>	0.000	0		
Bhutan			0.066	500	<b>0.066</b>	<b>500</b>	0.022	419	0.0002	3
China P Rp					<b>0.000</b>	<b>0</b>	0.033	322		
Egypt A Rp					<b>0.000</b>	<b>0</b>	0.000	1		
Ethiopia			0.000	0	<b>0.000</b>	<b>0</b>				
Germany			0.000	0	<b>0.000</b>	<b>0</b>	0.000	0		
Greece					<b>0.000</b>	<b>0</b>	0.000	0		
Indonesia					<b>0.000</b>	<b>0</b>	0.000	1		
Iran	0.064	650			<b>0.064</b>	<b>650</b>				
Jordan			0.000	0	<b>0.000</b>	<b>0</b>	0.000	3		
Madagascar			0.000	3	<b>0.000</b>	<b>3</b>				
Malaysia			0.000	2	<b>0.000</b>	<b>2</b>	0.000	1		
Mauritius			0.000	0	<b>0.000</b>	<b>0</b>				
Nepal	0.000	1	0.440	3045	<b>0.440</b>	<b>3046</b>	0.037	257	0.0001	1
Nigeria			0.000	0	<b>0.000</b>	<b>0</b>	0.000	2		
Oman			0.000	0	<b>0.000</b>	<b>0</b>	0.001	16		
Pakistan Ir					<b>0.000</b>	<b>0</b>	0.005	78	0.0001	2
Qatar			0.000	0	<b>0.000</b>	<b>0</b>				
Saudi Arab			0.000	1	<b>0.000</b>	<b>1</b>	0.001	23		
South Africa					<b>0.000</b>	<b>0</b>	0.000	8		
Sri Lanka Dsr					<b>0.000</b>	<b>0</b>	0.000	10	0.0001	1
Sudan					<b>0.000</b>	<b>0</b>	0.000	1		
Tanzania Rep					<b>0.000</b>	<b>0</b>	0.000	2		
U Arab Emnts			0.067	230	<b>0.067</b>	<b>230</b>	0.001	22	0.0001	1
U K			0.001	13	<b>0.001</b>	<b>13</b>				
U S A					<b>0.000</b>	<b>0</b>	0.000	0		
Unspecified			0.001	3	<b>0.001</b>	<b>3</b>	0.000	0		
<b>TOTAL</b>	<b>0.064</b>	<b>650</b>	<b>1.186</b>	<b>7084</b>	<b>1.250</b>	<b>7734</b>	<b>0.103</b>	<b>1176</b>	<b>0.0005</b>	<b>9</b>

Source: DGCI &amp; S, KOLKATA

**TABLE 5.5 : PORT WISE IMPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2015-16**

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

Port	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Alibag	0.596	3886	3.660	10795	4.256	14681	0.04601	654		
Appiic Multi Prod Sez Vizag Dc			0.048	162	0.048	162	0.03660	345		
Attariroad,Amritsar	0.000	0			0.000	0				
Bedi Sea			3.828	11750	3.828	11750				
Bhavnagar			1.152	3784	1.152	3784				
Bhuj			0.410	1175	0.410	1175				
Chennai Air				0	0.000	0				
Chennai Sea	0.001	32	4.527	13088	4.528	13120	0.00051	8	0.00080	8
Cochin Sea			0.088	385	0.088	385	0.00042	6		
Dehej Sea			10.359	38042	10.359	38042				
Delhi Air			0.000	0	0.000	0				
Dhamra(Chandbali)	6.469	40674	5.041	19805	11.511	60479				
Dharmatar Sea	0.593	3817	0.486	2092	1.079	5909				
Ennore Sea	0.075	430	5.832	26746	5.908	27176				
Gangavaram Port	5.709	35943	9.453	31683	15.162	67626				
Hazira Port, Surat			2.529	9006	2.529	9006				
Hetero Infra Sez Nakkapalli Ap			0.012	20	0.012	20				
Icd Bhusawal					0.000	0	0.00594	64		
Icd Garhaharsaru					0.000	0		0		
Icd Patli					0.000	0	0.00007	1		
Jabilant Infra Ltd Kandla			0.017	54	0.017	54				
Jaigad	0.035	204	0.063	284	0.098	488	0.00571	98		
Kakinada Sea			2.454	7798	2.454	7798				
Kandla Sea	0.379	2792	11.678	44642	12.057	47434	0.07268	770		
Karikal	0.476	3000	3.397	12227	3.873	15227				
Kattupalli Port/ Tiruvallur	0.000	1			0.000	1				
Kiadb Textile Sez Karnataka			0.074	252	0.074	252				
Kolkata Sea	5.389	34800	4.727	20623	10.117	55423	0.57056	6081	0.00008	1
Krishnapatnam	3.137	19997	9.369	33407	12.505	53404	0.07447	664		
Magdalla Port Sea	0.883	5421	4.606	17362	5.489	22782	1.12067	12516		
Marmagoa Sea	5.829	37470	5.193	24584	11.022	62054	0.03150	397		
Muldwarka			0.031	131	0.031	131				
Mumbai Air			0.000	1	0.000	1		0	0.00000	1
Mumbai Sea			4.410	17189	4.410	17189				
Mundra	1.100	7170	12.532	45254	13.632	52424	0.00003	1	0.00003	0
Naliya, Bhuj			0.585	1656	0.585	1656				
Navlakhi			6.061	20361	6.061	20361				
Newmangalore Sea	0.049	353	5.500	22657	5.549	23010	0.34019	3355		
Nhava Sheva Sea			0.003	83	0.003	83	0.00064	13	0.00014	4
Okha	0.235	1430	0.491	1862	0.726	3291				
Old Mundra			1.155	3853	1.155	3853				
Opgs Gandhidham			0.603	1420	0.603	1420				
Panaji	0.158	872	0.012	50	0.169	922				
Paradip Sea	7.320	46143	8.582	30300	15.901	76444	0.48115	4865		
Parri Infra Co Pvt Ltd			0.089	278	0.089	278				
Pipavab(Vicyor)	0.044	323	0.576	2289	0.620	2613				
Porbandar			0.323	1174	0.323	1174				
Ramki Pharma City (India) Pvt			0.012	23	0.012	23				
Revdanda			0.647	1996	0.647	1996				
Sez Dahej			0.014	46	0.014	46				
Sez Mundra			9.340	31079	9.340	31079				
Sez Wardha Power Ltd. Warora			0.025	97	0.025	97				
Sikka			0.159	731	0.159	731				
Tuticorin Sea			8.275	30432	8.275	30432	0.00309	55		
Visakhapatnam Sea	5.028	31873	7.949	25506	12.977	57379	0.27806	2737		
Unspecified			0.001	171	0.001	171				
<b>TOTAL</b>	<b>43.506</b>	<b>276630</b>	<b>156.378</b>	<b>568405</b>	<b>199.884</b>	<b>845035</b>	<b>3.06828</b>	<b>32632</b>	<b>0.00105</b>	<b>15</b>

Source: DGCI &amp; S, KOLKATA

**TABLE 5.6 : PORT WISE EXPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2015-16**

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

Port	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bairgania			0.001	4	0.001	4				
Bangalore Airport					0.000	0		0		
Barhni			0.001	8	0.001	8	0.017	122		
Borsorah			0.384	2046	0.384	2046				
Cfs Patparganj			0.000	0	0.000	0				
Chasuapara			0.134	723	0.134	723				
Chengrabandha Rly.Station			0.001	7	0.001	7				
Chennai Sea			0.000	3	0.000	3	0.000	0	0.0000	0
Cochin Sea			0.000	0	0.000	0				
Dalu			0.002	14	0.002	14				
Delhi (Icd)			0.000	1	0.000	1				
Gouriphanta			0.014	88	0.014	88				
Hatisar (Deosiri)			0.003	34	0.003	34				
Hili (West)			0.003	19	0.003	19				
Icd Hyderabad					0.000	0	0.000	0		
Icd Kanakpura			0.000	0	0.000	0				
Icd Nagpur			0.000	2	0.000	2	0.000	0		
Icd Sabarmati			0.000	0	0.000	0	0.000	0		
Jaigaon			0.063	466	0.063	466	0.022	419	0.0002	3
Jogbani			0.001	9	0.001	9	0.001	7	0.0000	0
Joynagar			0.000	1	0.000	1				
Kolkata Air				0	0.000	0				
Kolkata Sea					0.000	0	0.000	9		
Kotwaligate (Mohedipur)			0.000	0	0.000	0				
L C S Khunwa			0.003	20	0.003	20				
Magdalla Port Sea			0.067	230	0.067	230				
Mahendraganj	0.000	0	0.000	0	0.000	1				
Mankachar			0.000	1	0.000	1				
Marmagoa Sea					0.000	0	0.000	4		
Mumbai Air				0	0.000	0				
Mundra	0.064	650	0.000	1	0.064	651	0.009	150	0.0000	0
Nautanwa (Sonauli)	0.000	0	0.079	562	0.079	562	0.007	46		
Nepalganj			0.038	285	0.038	285	0.001	10		
Newmangalore Sea					0.000	0	0.033	322		
Nhava Sheva Sea			0.001	13	0.001	13	0.000	3	0.0001	4
Panitanki	0.000	1	0.293	2001	0.293	2002	0.009	52	0.0001	1
Petrapole Land			0.000	0	0.000	0	0.000	3		
Pipavab(Vicyor)					0.000	0	0.000	2		
Raxaul Land			0.008	53	0.008	53	0.003	20		
Sutarkandi			0.086	478	0.086	478				
Toothibari, Maharajganj			0.002	14	0.002	14				
Visakhapatnam Sea					0.000	0	0.000	5		
Unspecified					0.000	0				
<b>TOTAL</b>	<b>0.064</b>	<b>650</b>	<b>1.186</b>	<b>7084</b>	<b>1.250</b>	<b>7734</b>	<b>0.103</b>	<b>1176</b>	<b>0.0005</b>	<b>9</b>

Source: DGCI &amp; S, KOLKATA

**Table - 6.1: List of Coal Blocks Allotted/Vested or under Custodian under CM(SP) Act, 2015**

Sl.No.	Name of Block	State	Name of Successful Bidder/Allottee	Allotted/ Vested	Specified EUP
(1)	(2)	(3)	(4)	(5)	(6)
<b>Details of Schedule-II Coal Blocks</b>					
1	Namchik Namphuk	Arunachal Pradesh	Chairman, Coal India Limited	Custodian	Iron & Steel, Cement and Captive Power Plant
2	Sarshatolli	West Bengal	CESC Ltd.	Vested	Power
3	Tara (East)	West Bengal	WBPDCCL	Allotted	Power
4	Tara (West)	West Bengal	WBPDCCL	Allotted	Power
5	Gangaramchak	West Bengal	WBPDCCL	Allotted	Power
6	Gangaramchak Bhadulia	West Bengal	WBPDCCL	Allotted	Power
7	Barjore	West Bengal	WBPDCCL	Allotted	Power
8	Trans Damodar	West Bengal	The Durgapur Projects Limited	Vested	Power
9	Barjora (North)	West Bengal	WBPDCCL	Allotted	Power
10	Kagra Joydev	West Bengal	Damodar Valley Corporation	Allotted	Power
11	Ardhagram	West Bengal	OCL Iron & Steel Limited	Custodian	Iron & Steel, Cement and Captive Power Plant
12	Gare-Palma-IV/1	Chhattisgarh	Chairman, Coal India Limited	Custodian	Iron & Steel, Cement and Captive Power Plant
13	Gare-Palma-IV/5	Chhattisgarh	Hindalco Industries Limited	Vested	Iron & Steel, Cement and Captive Power Plant
14	Gare-Palma-IV/2	Chhattisgarh	Chairman, Coal India Limited	Custodian	Power
15	Gare-Palma-IV/3	Chhattisgarh	Chairman, Coal India Limited	Custodian	Power
16	Gare-Palma- IV/4	Chhattisgarh	Hindalco Industries Limited	Vested	Iron & Steel, Cement and Captive Power Plant
17	Gare-Palma-IV/7	Chhattisgarh	Monet Ispat & Energy Limited	Vested	Iron & Steel, Cement and Captive Power Plant
18	Chotia	Chhattisgarh	Bharat Aluminium Company Limited	Vested	Iron & Steel, Cement and Captive Power Plant
19	Parsa East	Chhattisgarh	RRVUNL	Allotted	Power
20	Kanta Basan	Chhattisgarh	RRVUNL	Allotted	Power
21	Bicharpur	Madhya Pradesh	Ultratech Cement Limited	Vested	Iron & Steel, Cement and Captive Power Plant
22	Pachwara Central	Jharkhand	PSPCL	Allotted	Power
23	Pachwara North	Jharkhand	WBPDCCL	Allotted	Power
24	Parbatpur Central	Jharkhand	SAIL	Allotted	Steel (Coking Coal)
25	Gotitoria (East)	Madhya Pradesh	Chairman, Coal India Limited	Custodian	Iron & Steel, Cement and Captive Power Plant
26	Gotitoria (West)	Madhya Pradesh	Chairman, Coal India Limited	Custodian	Iron & Steel, Cement and Captive Power Plant
27	Sial Ghoghri	Madhya Pradesh	Reliance Cement Company Private Limited	Vested	Iron & Steel, Cement and Captive Power Plant
28	Mandla North	Madhya Pradesh	Jaiprakash Associates Limited	Vested	Iron & Steel, Cement and Captive Power Plant
29	Marki Mangli-I	Maharashtra	Topworth Urja and Metals Ltd	Vested	Iron & Steel, Cement and Captive Power Plant
30	Baranj – I	Maharashtra	KPCL	Allotted	Power
31	Baranj – II	Maharashtra	KPCL	Allotted	Power
32	Baranj – III	Maharashtra	KPCL	Allotted	Power
33	Baranj – IV	Maharashtra	KPCL	Allotted	Power
34	Kiloni	Maharashtra	KPCL	Allotted	Power

Contd.....

**Table - 6.1: List of Coal Blocks Allotted/Vested or under Custodian under CM(SP) Act, 2015**

Sl.No.	Name of Block	State	Name of Successful Bidder/Allottee	Allotted/ Vested	Specified EUP
(1)	(2)	(3)	(4)	(5)	(6)
35	Manora Deep	Maharashtra	KPCL	Allotted	Power
36	Belgaon	Maharashtra	Sunflag Iron & Steel Company Limited	Vested	Iron & Steel, Cement and Captive Power Plant
37	Marki Mangli-II	Maharashtra	Chairman, Coal India Limited	Custodian	
38	Marki Mangli-III	Maharashtra	B.S.Ispat Limited	Vested	Iron & Steel, Cement and Captive Power Plant
39	Tokisud North	Jharkhand	Essar Power M.P. Limited	Vested	Power
40	Kathautia	Jharkhand	Hindalco Industries Limited	Vested	Iron & Steel, Cement and Captive Power Plant
41	Amelia (North)	Madhya Pradesh	Jaiprakash Power Ventures Limited	Vested	Power
42	Talabira-I	Orissa	GMR Chhattisgarh Energy Limited	Vested	Power
<b>Details of Schedule-III Coal Blocks</b>					
1	Jitpur	Jharkhand	Adani Power Limited	Vested	Power
2	Sitanala	Jharkhand	Steel Authority of India Limited	Allotted	Steel (Coking coal)
3	Tadicherla-I	Telangana	Telangana State Power Generation Corporation Limited	Allotted	Power
4	Gare Palma IV/8	Chhattisgarh	Ambuja Cements Limited	Vested	Iron & Steel, Cement and Captive Power Plant
5	Talaipali	Chhattisgarh	NTPC Limited	Allotted	Power
6	Gare Palma Sector-III	Chhattisgarh	Maharashtra State Power Generation Company Limited	Allotted	Power
7	Parsa	Chhattisgarh	Rajasthan Rajya Vidyut Utpadan Nigam Limited	Allotted	Power
8	Gare Pelma Sector II	Chhattisgarh	Maharashtra State Power Generation Company Limited	Allotted	Power
9	Moitra	Jharkhand	JSW Steel Limited	Vested	Iron & Steel, Cement and Captive Power Plant
10	Brinda	Jharkhand	Usha Martin Limited	Vested	Iron & Steel, Cement and Captive Power Plant
11	Sasai	Jharkhand	Usha Martin Limited	Vested	Iron & Steel, Cement and Captive Power Plant
12	Meral	Jharkhand	Trimula Industries Limited	Vested	Iron & Steel, Cement and Captive Power Plant
13	Lohari	Jharkhand	Araanya Mines Private Limited	Vested	Iron & Steel, Cement and Captive Power Plant
14	Dumri	Jharkhand	Hindalco Industries Limited	Vested	Iron & Steel, Cement and Captive Power Plant
15	Ganeshpur	Jharkhand	GMR Chhattisgarh Energy Limited	Vested	Power
16	Badam	Jharkhand	Bihar State Power Generation Company Limited	Allotted	Power
17	Kerandari	Jharkhand	NTPC Limited	Allotted	Power
18	Chatti Bariatu	Jharkhand	NTPC Limited	Allotted	Power
19	Chhati Bariatu South	Jharkhand	NTPC Limited	Allotted	Power
20	Utkal-C	Orissa	Monet Power Company Limited	Vested	Power
21	Dulunga	Orissa	NTPC Limited	Allotted	Power
22	Manoharpur	Orissa	Odisha Coal and Power Limited	Allotted	Power
23	Utkal 'E'	Orissa	NALCO	Allotted	
24	Utkal-D	Orissa	NALCO	Allotted	
25	Dipside Manoharpur	Orissa	Odisha Coal and Power Limited	Allotted	Power

Contd.....

**Table - 6.1: List of Coal Blocks Allotted/Vested or under Custodian under CM(SP) Act, 2015**

Sl.No.	Name of Block	State	Name of Successful Bidder/Allottee	Allotted/ Vested	Specified EUP
(1)	(2)	(3)	(4)	(5)	(6)
26	Nerad Malegaon	Maharashtra	Indrajit Power Private Limited	Vested	Iron & Steel, Cement and Captive Power Plant
27	Mandla South	Madhya Pradesh	Jaypee Cement Corporation Limited	Vested	Iron & Steel, Cement and Captive Power Plant
28	Majra	Maharashtra	Jaypee Cement Corporation Limited	Vested	Iron & Steel, Cement and Captive Power Plant
29	Gidhmuri	Chhattisgarh	Chhattisgarh State Power Generation Company Limited	Allotted	Power
30	Paturia	Chhattisgarh	Chhattisgarh State Power Generation Company Limited	Allotted	Power
31	Banhardih	Jharkhand	Jharkhand Urja Utpadan Nigam Limited	Allotted	Power
32	Rajbar E & D	Jharkhand	Tenughat Vidyut Nigam Ltd.	Allotted	Power
33	Gare Palma Sector I	Chhattisgarh	Gujarat State Electricity Corporation Limited	Allotted	Power
34	Saharpur Jamarpani	Jharkhand	UP Rajya Vidyut Utpadan Nigam Ltd.	Allotted	Power
35	Naini	Orissa	The Singareni Collieries Company Ltd.	Allotted	Power
36	Mandakini B	Orissa	NTPC Limited	Allotted	
37	Talabira II & III	Orissa	NLC India Limited	Allotted	Power

**Table - 6.2 : Coal Blocks allotted under Auction by Competitive Bidding Rules, 2012**

Sl.No.	Name of Block	State	Name of Successful Bidder/Allottee	Allotted/ Vested	Specified EUP
(1)	(2)	(3)	(4)	(5)	(6)
1	Kente Extn.		Rajasthan Rajya Vidyut Utpadan Nigam Ltd.	Allotted	Power
2	Tentuloi		Odisha Thermal Power Corpn. Ltd.	Allotted	Power
3	Gondbahera-Ujheni		Madhya Pradesh Power Generation Corpn. Ltd.	Allotted	Power
4	Kudanali-Luburi		NTPC Ltd. & CPSU & Jammu & Kashmir State Power Development Corpn. Ltd.	Allotted	Power
5	Banai		NTPC Ltd.	Allotted	Power
6	Bhalumuda		NTPC Ltd.	Allotted	Power
7	Sarapal-Nuapara	Orissa	Andhra Pradesh Power Generation Corpn. Ltd.	Allotted	Power
8	Chandrabila		Tamil Nadu Generation & Distribution Corporation Ltd.	Allotted	Power
9	Mahajanwadi		Maharashtra State Power Generation Corporation Ltd.	Allotted	Power
10	Kalyanpur-Badalpara		Haryana Power Generation Corporation Ltd.	Allotted	Power

**Table - 6.3: Coal Blocks not cancelled by Hon'ble Supreme Court**

Sl.No.	Name of Block	State	Name of Successful Bidder/Allottee	Specified EUP
(1)	(2)	(3)	(4)	(5)
1	Pakri-Barwadih	Jharkhand	NTPC	Power
2	Tasra	Jharkhand	Steel Authority of India Ltd.	Steel
3-4	Moher, Moher-Amlori Extn	Maharashtra	Power Finance Corporation (Sasan UMPP)	UMPP
5	Kerandari BC	Jharkhand	Power Finance Corporation Talaiy UMPP Jharkhand	UMPP
6	Bhivkund	Maharashtra	MAHAGENCO	UMPP
7	Mourya	Jharkhand	Karanpura Energy Ltd.	UMPP
8	Pindrakhi	Chhattisgarh	Akaltara Power Ltd.	UMPP
9	Putra Parogia	Chhattisgarh	Akaltara Power Ltd.	UMPP
10	Bankui	Orissa	Sakshigopal Integrated Power Company Ltd	UMPP

# Appendix - A

## Concepts, Definitions and Practices

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

## 2. Classification of Coal

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

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

2.2 In practice, hard coal is calculated as the sum of anthracite and bituminous coals.

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

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

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

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

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

ii) **Brown coal** - Non-agglomerating coal with

a gross calorific value less than 5700 kcal/kg (23.9 GJ/t) containing more than 31% volatile matter on a dry mineral matter free basis.

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

### 3. Classification of Coal in India

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

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

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

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

3.5 **Washed Coal:** Processing of coal through water separation mechanism to improve the quality of coal by removing denser material

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

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

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

### 4. Categorisation of Coal in India

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

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

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

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

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

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

N.B 1: "Useful heat value" is defined as:

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

Where UHV = Useful heat value in kCal/kg,  
A = Ash content (%), M = Moisture content (%).

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

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

N.B 4: Ash percentage of coking coals and hard coke shall be determined after air drying as per IS1350 -1959. If the moisture so determined is more than 2 per cent, the determination shall be after equilibrating at 60 percent relative humidity at 40 degree C temperature as per IS : 1350 - 1959.

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

Grades	GCV Range (Kcal/Kg)
G1	GCV exceeding 7000
G2	GCV between 6701 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

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

<b>Table 5: Concordance Table</b>	
Old Grading based on UHV	New Grading based on GCV
A	G1
	G2
	G3
B	G4
	G5
C	G6
D	G7
	G8
E	G9
	G10
F	G11
	G12
G	G13
	G14
Non-coking Coal Ungraded	G15
	G16
	G17

## 5 Some General Concepts

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

**5.2 Opencast Mining:** Open-pit mining, open-cut mining or opencast mining is a surface mining technique of extracting rock or minerals

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

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

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

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

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

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

**5.7 Pit-head Value:** Pit-head Value of coal is the value of coal at pit-head of the colliery. It is computed on the basis of basic price and

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

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

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

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

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

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

## **6. Commodity Classification**

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

## ABBREVIATIONS

### COAL COMPANIES:

ECL	Eastern Coalfields Limited (Coal India Ltd. Subsidiary) -Public
BCCL	Bharat Coking Coal Limited (Coal India Ltd. Subsidiary) - Public
CCL	Central Coalfields Limited (Coal India Ltd. Subsidiary) - Public
NCL	Northern Coalfields Limited (Coal India Ltd. Subsidiary) - Public
WCL	Western Coalfields Limited (Coal India Ltd. Subsidiary) - Public
SECL	South Eastern Coalfields Limited (Coal India Ltd. Subsidiary) - Public
MCL	Mahanadi Coalfields Limited (Coal India Ltd. Subsidiary) - Public
NEC	North Eastern Coalfields (Coal India Ltd. Subsidiary) - Public
SCCL	Singareni Collieries Company Limited - Public
JKML	Jammu & Kashmir Minerals Limited - Public
JSMDCL	Jharkhand State Mineral Development Corporation Limited - Public
DVC	Damodar Valley Corporation - Public
DVC EMTA	DVC Emta Coal Mines Limited - Public
IISCO	Indian Iron & Steel Company Limited - Public
SAIL	Steel Authority of India Limited - Public
APMDTCL	Arunachal Pradesh Mineral Development & Trading Corp. Ltd. - Public
WBPDCL	West Bengal Power Development Corporation Limited - Public
RRVUNL	Rajasthan Rajya Vidyut Unnayan Nigam Limited - Public
KECML	Karnataka Emta Coal Mines Limited - Public
WBMDTCL	West Bengal Mineral Development and Trading Corporation Limited - Public
PSEB/PANEM	Panjab State Electricity Board/Panem Coal Mines Limited - Public
MPSMCL	Madhya Pradesh State Mineral Corporation Limited - Public
SECL(GP-IV/2&3)	South Eastern Coalfields Limited (Gare Palma IV/2 &3) - Public
ICML	Integrated Coal Mining Limited - Private
JSPL	Jindal Steel & Power Limited - Private
TISCO	Tata Iron & Steel Company Limited - Private
HIL	Hindalco Industries Limited - Private
BLA	BLA Industries Limited - Private
MIEL	Monnet Ispat & Energy Limited - Private
PIL	Prakash Industries Limited - Private
JNL	Jayswal Neco Limited - Private
JPL	Jindal Power Open Cast Coal Mine - Private
SIL	Sunflag Iron & Steel Company Limited - Private
ESCL	Electro Steel Casting Limited - Private
UML	Usha Martin Limited - Private
SEML	Sarda Energy & Minerals Limited - Private
BSIL	B. S. Ispat Limited - Private
TUML	Topworth Urja and Minerals Limited - Private
SPL	Sasan Power Limited - Private
SOVA	Sova Ispat Limited - Private
JPVL	Jaiprakash Power Ventures Limited - Private
GMR	GMR Chhattisgarh Energy Limited - Private
BALCO	Bharat Aluminium Company Limited - Private
CESC	Calcutta Electric Supply Corporation Limited - Private

### LIGNITE COMPANIES:

NLC	Neyveli Lignite Corporation Limited - Public
GIPCL	Gujarat Industries Power Company Limited - Public
GMDCL	Gujarat Mineral Development Corporation Limited - Public
GHCL	Gujarat Heavy Chemical Limited - Private
RSMML	Rajasthan State Mines and Mineral Limited - Public
VS LIGNITE	V. S Lignite Power Limited - Private
BLMCL	Barmer Lignite Mining Company Limited - Private
O.C.	OPEN CAST
U.G.	UNDER GROUND
OBR	Over Burden Removal