



# **PROVISIONAL COAL STATISTICS 2016-17**

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

## **Provisional Coal Statistics 2016-17**

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 2016-17** 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  
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# Highlights

## (A) Production

1. In the year 2016-17, production of raw coal in India was 662.792 MT against 639.230 MT in 2015-16, showing an increase of 3.69% over the previous year whereas in 2016-17 lignite production was 45.230 MT against 43.842 MT in the year 2015-16, showing a increase of 3.17 % 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 2016-17 was as follows : [Table :- 2.10]

Production of raw coal during the year 2016-17 (MT)			
Sector	Coking	Non-coking	Total coal
Public	55.345	573.371	628.716
Private	6.316	27.760	34.076
All India	61.661	601.131	662.792

3. In the year 2016-17, production of coking coal in India was 61.661 MT against 60.887 MT in the previous year, showing a growth of 1.27% over 2015-16. In 2016-17, production of non-coking coal was 601.131 MT against 578.343 MT in the year 2015-16, showing a growth of 3.94 % over 2015-16. [Table :- 2.2]
4. As public sector unit, Coal India Limited contributed 559.464 MT (84.41% share) in the total coal production of India in the year 2016-17 and SCCL contributed 59.532 MT (8.98 % share). In that year, Neyveli Lignite Corporation Limited contributed 27.617 MT (61.06 % share) of total lignite production of the country followed by GMDCL 7.652 MT (16.92 % share) and BLMCL 6.010 MT (13.29 % share). [Table :- 2.10]
5. In the year 2016-17, in private sector, Sasan Power Limited was the largest producer and produced 16.997 MT of coal followed by TISCO which produced 6.316 MT of coal. [Table :- 2.10]
6. In the year 2016-17, production of washed coal (coking) was 6.416 MT against 6.182 MT in the previous year, thus increased by 3.8 % over 2015-16, whereas production of middling (coking) was 4.720 MT against 5.525 MT in the previous year, thus decreased by 14.57% over 2015-16. [Table :-2.3]
7. In the year 2016-17, production of hard coke was 13.809 MT against 14. 368 MT in the previous year, thus decreased by 3.9 % over 2015-16. [Table :-2.3]
8. In the year 2016-17, Chhattisgarh registered highest coal production of 143.849 MT (21.7 % share) followed by Odisha 139.359 MT (21.0 % share), Jharkhand 126.435 MT (19.1 % share) and Madhya Pradesh 105.013 MT (15.8 % share). In that year, as the largest producer of lignite, Tamil Nadu produced 26.204 MT (57.9% share) followed by Gujarat 10.546 MT (23.3 % share) and Rajasthan 8.480 MT (18.7 % share). [Table :- 2.6 and 2.7]
9. In the year 2016-17, highest coking coal producing state in India was Jharkhand 59.604 MT (96.66% share). Highest non-coking coal producing state was Chhattisgarh 143.739 MT (23.91 % share) followed by Odisha 139.359 MT(23.18 % share) and Madhya Pradesh 104.882 MT (17.45 % share). [Table :- 2.11]
10. In the year 2016-17, out of total coal production of 662.792 MT, production from opencast mines was 618.445 MT (93.31 % share) and from underground mines was 44.347 MT (6.69 % share). [Table:-2.15]



11. In the year 2016-17, CIL produced highest quantity of coal from underground mines 31.477 MT (70.98 % share) followed by SCCL which produced 9.515 MT (21.46 % share). [Table:-2.16]
12. In the year 2016-17, productivity (OMS) in respect of opencast mines of CIL and SCCL was 16.57 tonnes and 13.85 tonnes respectively. In respect of underground mines OMS of CIL and SCCL was 0.8 tonnes and 1.17 tonnes respectively. (OMS is the output measured in tones per unit of man-shift). [Table :- 2.17]
13. In the year 2016-17 overall stripping ratio was 2.62. 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 2016-17, despatch of indigenous raw coal was 650.319 MT against 632.442 MT during 2015-16, showing an increase of 2.83 % over the previous year whereas, despatch of lignite was 43.155 MT against 42.211 MT in the year 2015-16, showing an increase of 2.24 % over the previous year. [Table :-3.1]
2. The contribution of public sector and private sector in despatch of raw coal in the year 2016-17 was as follows: [Table :- 3.8]

Despatch of Raw Coal during the year 2016-17 (MT)			
Sector	Coking	Non-coking	Total
Public	52.997	563.102	616.099
Private	6.548	27.672	34.220
All India	59.545	590.774	650.319

3. In the year 2016-17, despatch of coking coal was 59.545 MT against 59.213 MT in the year 2015-16, showing an increase of 0.56 % over the previous year. [Table :-3.2]
4. In the year 2016-17, despatch of non-coking coal was 590.774 MT against 573.229 MT in the year 2015-16, showing an increase of 3.06 % over the previous year. [Table :-3.2]
5. In the year 2016-17, despatch of washed coal (coking) was 6.515 MT against 6.068 MT in 2015-16, showing an increase of 7.37 % over the previous year. In the year 2016-17, despatch of middling (coking) was 4.525 MT against 5.735 MT in the previous year, showing a decrease of 21.10 % over the previous year. [Table :-3.3]
6. Despatch of hard coke was 13.472 MT in the year 2016-17 against 13.673 MT in the year 2015-16, thus showing a decrease of 1.47 % over the previous year. [Table :- 3.3]
7. In the year 2016-17, as public sector unit, Coal India Limited contributed 547.099 MT of coal (84.13 % share) in the total coal despatch of India and SCCL contributed 59.374 MT (9.13 % share). In that year, as the largest supplier of lignite, Neyveli Lignite Corporation Limited despatched 25.578 MT (56.27 % share) followed by GMDCL 7.652 MT (17.73 % share) and BLMCL 6.007 MT (13.92 % share). [Table :- 3.8]
8. Out of total despatch of coal by private sector in the year 2016-17, Sasan Power Limited had the largest share of 17.100 MT followed by TISCO 6.548 MT. [Table :- 3.8]
9. In the year 2016-17, largest despatch of coal was from Odisha 143.287 MT (22.03 % share) followed by Chhattisgarh 139.386 MT (21.43 % share) and Jharkhand 120.976 MT (18.60 % share). Largest despatch of lignite was from Tamil Nadu 24.165 MT (56.0 % share) followed by Gujarat 10.545 MT (24.44 % share) and Rajasthan 8.445 MT (19.57 % share). [Table :- 3.6 and 3.7]

10. In the year 2016-17, sector wise despatch of coal was mainly to Power (Utility) 470.976 MT, Power (Captive) 56.280 MT, Steel 11.845 MT, Cement 6.434 MT and Sponge Iron 5.677 MT [Table :- 3.14]
11. In the year 2016-17, coal was mainly despatched by Rail 326.653 MT (50.23 %) followed by road 179.443 MT (27.59 %) and MGR 95.381 MT (14.67 %). [Table :- 3.13]

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

1. Pit-head closing stock of raw coal as on 31-03-2017 was 77.285 MT against 65.361 MT as on 31-03-2016 (increased by 18.24 % over the previous year). In case of lignite it was 6.883 MT as on 31-03-2017 against 4.809 MT as on 31-03-2016 (increased by 43.13 % over the previous year. [Table :-4.1]
2. Out of total closing stock of 77.285 MT as on 31-03-2017, public sector accounted for 76.611 MT ( 99.13 % share). [Table :-4.3]

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

1. In the year 2016-17, import of coking coal was 41.644 MT against 44.561 MT in the year 2015-16, thus decreased by 7.00 % over the previous year. In that year, import of non-coking coal was 149.309 MT against 159.388 MT in 2015-16, thus decreased by 6.32 % over the year 2014-15. [Table :-5.1]
2. Coal was mainly imported from Indonesia (91.261 MT), Australia (46.654 MT) and South Africa (33.980 MT). [Table 5.3]
3. In the year 2016-17, coal was mainly imported through Krishnapatnam (16.210 MT), Paradip (15.998 MT), Sez Mundra (15.855 MT), Mundra (14.893 MT), Dhamra (12.734 MT), Kandla (11.336 MT), Gangavaram (11.237 MT) and Marmagoa (10.737 MT) sea ports. [Table 5.5]
3. In the year 2016-17, export of coal 1.773 MT against 1.575 MT in 2015-16, thus there was a marginal change . [Table :-5.2]
4. In the year 2016-17, coal was mainly exported to Bangladesh (1.051 MT) and Nepal (0.639 MT). Main ports for coal export were Borsorah (0.550 MT) and Panitanki (0.448 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 31.03.2017 reallocation (either vested or allotted) were done in respect of 99 coal blocks. Out these 99 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 01-04-2017 was 315.149 Billion Tonnes/ BT. The geological resources of coking coal (prime, medium and semi-coking) was 34.534 Billion Tonnes and non-coking coal was 280.615 Billion Tonnes. .

Total coal extracted since 1950 up to 2015-17 is around 14446.749 Million Tonnes.

## Introductory Note

1.1 Provisional Coal Statistics 2016-17 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 2016-17, 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 2016-17.

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
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
	Actual	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
	Actual	60.887	578.343	<b>639.230</b>	43.842	59.213	573.229	<b>632.442</b>	42.211
	Change(A-P)	0%	0%	<b>0%</b>	0%	0%	-0.48%	<b>-0.48%</b>	0%
2016-17	Provisional	61.661	601.131	<b>662.792</b>	45.230	59.545	590.774	<b>650.319</b>	43.155
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 2016-17, apart from providing data on production, despatch and stock of coal and lignite in India for the year 2016-17 also provides data on coal reserves in India as on 01-04-2017, import and export of coal, performance of captive mining etc. during 2016-17.

1.4 In this report of 2016-17, 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 2016-17 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	01/04/2015	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>
	01/04/2017	1,43,058	1,39,311	32,779	<b>3,15,149</b>
Lignite	01/04/2015	6,182	26,282	11,650	<b>44,114</b>
	01/04/2016	6,182	26,373	12,039	<b>44,594</b>
	01/04/2017	6,541	26,014	12,143	<b>44,698</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 2016-17, coal production in India reached 662.792 MT and registered a growth of 3.69% over the last year. During this period production of lignite reached 45.230 MT registering a growth of 3.17% over the last year. Statement 3(A) shows production of coal in 2016-17 in India by Public and Private Sectors.

Statement 3(A): Coal Production in India by Company			
Company	Coal Production (2016-17) [MT]		
	Coking	Non-coking	Total
CIL	54.653	504.811	<b>559.464</b>
SCCL	-	59.532	<b>59.532</b>
Other Public	0.692	9.028	<b>9.720</b>
Total Public	55.345	573.371	<b>628.716</b>
Total Private	6.316	27.760	<b>34.076</b>
<b>ALL INDIA</b>	<b>61.661</b>	<b>601.131</b>	<b>662.792</b>

1.8 It can be seen that Coal India Limited alone accounted for 84.41% of coal production in the country and share of SCCL was 8.98%. Share of public sector was 94.86% and that of private sector was 5.14%. 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 SECL (21.93%), MCL (21.0%) and NCL (12.69%). These three subsidiary companies of CIL collectively accounted for 55.62% of total coal production at all India level and 65.89% of production by CIL group.

Statement 3(B): Coal Production in India by CIL Subsidiary wise coal production			
Company	Coal Production (2016-17) [MT]		
	Coking	Non-coking	Total
ECL	0.031	40.486	<b>40.517</b>
BCCL	32.393	4.644	<b>37.037</b>
CCL	21.988	45.059	<b>67.047</b>
NCL	0	84.096	<b>84.096</b>
WCL	0.131	45.501	<b>46.632</b>
SECL	0.110	145.217	<b>145.327</b>
MCL	0	139.208	<b>139.208</b>
NEC	0	0.600	<b>0.600</b>
<b>CIL</b>	<b>54.653</b>	<b>504.811</b>	<b>559.464</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 (90.70%). Statement 4 shows that during the period 2016-17, almost total coking coal of the country was produced in the state of Jharkhand which accounted for 96.66% of the total coking coal production.

1.10 From Table 2.2 it can be seen that in the year 2016-17 production of coking coal registered an increase of 1.27% over the previous year whereas the corresponding increase in the case of non-coking coal was 3.94%.

1.11 Statement 4 shows coal production in India during 2016-17 by states. It may be observed that the three major states were Chhattisgarh (21.7%), Odisha (21.0%), Jharkhand (19.1%) and Madhya Pradesh (15.8%). These four states together

contributed about 77.65% of the total coal production in the country.

Statement 4: Coal Production in India by State			
States	Coal Production (2016-17) [MT]		
	Coking	Non Coking	Total
Arunachal Pradesh		0	<b>0</b>
Assam		0.600	<b>0.600</b>
Chhattisgarh	0.110	143.739	<b>143.849</b>
Jammu & Kashmir		0.010	<b>0.010</b>
Jharkhand	59.604	66.831	<b>126.435</b>
Madhya Pradesh	0.131	104.882	<b>105.013</b>
Maharashtra		40.559	<b>40.559</b>
Meghalaya		3.712	<b>3.712</b>
Odisha		139.359	<b>139.359</b>
Telangana		59.532	<b>59.532</b>
Uttar Pradesh		16.056	<b>16.056</b>
West Bengal	1.816	25.851	<b>27.667</b>
<b>All India</b>	<b>61.661</b>	<b>601.131</b>	<b>662.792</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 2016-17 production from opencast mining accounted for 93.31% of the total coal production and the rest 6.69% was from underground mining. 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 87.11% in 2007-08 to 93.31% in 2016-17.

1.13 It can be seen from Table 2.3 that production of coal products decreased from 43.194 MT in the year 2015-16 to 41.302 MT in the year 2016-17. Out of total coal products in 2016-17, production of washed coal (coking) was 6.416 MT and washed coal (non-coking) was 16.357 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 2016-17.

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 2016-17, the stripping ratio at all India level was 2.62. The corresponding figure for the year 2015-16 was 2.67. Stripping ratio of CIL for 2016-17 was 2.19. In the year 2016-17, stripping ratio for the public sector as a whole was 2.53 and for the private sector it was 4.56. In case of CIL companies, NEC reported the lowest stripping ratio of 0.01 against coal production (OC) of 0.597 MT whereas WCL reported the highest stripping ratio of 4.13 against coal production (OC) of 40.264B MT. Each of ECL and NCL reported the second highest stripping ratio of 3.85 against coal production (OC) of 32.390 MT and 84.096 MT respectively.

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 2016-17 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 8.60 in 2007-08 to 16.57 in 2016-17. In case of SCCL it increased from 10.60 in 2008-09 to 13.26 in 2011-12 and dropped to 11.87 and 11.10 in the year 2012-13 and 2013-14 respectively. Thereafter it started increasing from 12.14 in the year 2014-15 to 13.85 in the year 2016-17. Further details on the issue can be seen from the table 2.18.

Type of Mining	Company	Year	
		2015-16	2016-17
OC	CIL	15.35	16.57
	SCCL	13.78	13.85
UG	CIL	0.80	0.80
	SCCL	1.25	1.17
<b>Overall</b>	<b>CIL</b>	<b>7.15</b>	<b>7.86</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 2016-17 was 45.230 MT whereas it was 43.842 MT in 2015-16 showing a growth of 3.17% over the previous year. It can also be seen

that while coal production registered an increase of 45.01% in the year 2016-17 in comparison to the year 2007-08, the corresponding increase in lignite production was 33.11%. Statement 6 shows production of lignite by different companies in 2015-16 and 2016-17. In the year 2016-17, three major producing companies with share in total production were NLC (61.06%), GMDCL (16.92%) and BLMCL (13.29%).

Company	2015-16	2016-17
NLC	25.451	27.617
GMDCL	6.968	7.652
GIPCL	3.063	2.816
RSMML	0.972	0.549
GHCL	0.092	0.078
VS LPPL	0.617	0.508
BLMCL	6.679	6.010
<b>ALL INDIA</b>	<b>43.842</b>	<b>45.230</b>

### Despatch

1.18 In the year 2016-17, despatch of raw coal was 650.319 MT against 632.442 MT in the year 2015-16, thus resulting a growth of 2.83% over the previous year.

1.19 Statement 7 shows despatch of coal by different companies in the year 2016-17. It can be seen that Coal India Limited alone accounted for 84.13% of overall coal despatch in the country, while share of SCCL in coal despatch was 9.13%. The contribution of the private sector was 5.26%. In CIL group of companies, share of MCL in all India coal despatch was 21.99%, SECL 21.80% and NCL 12.84%. These three subsidiary companies of CIL collectively accounted for 56.63% of raw coal despatch in all India level.

Statement 7: Coal Despatch in India by company- 2016-17			
Company	Coal Despatch (2016-17) [MT]		
	Coking	Non-coking	Total
ECL	0.029	42.779	<b>42.808</b>
BCCL	31.080	3.733	<b>34.813</b>
CCL	21.038	38.895	<b>60.933</b>
NCL	0	83.491	<b>83.491</b>
WCL	0.115	39.377	<b>39.492</b>
SECL	0.015	141.763	<b>141.778</b>
MCL	0	143.007	<b>143.007</b>
NEC	0	0.777	<b>0.777</b>
<b>CIL</b>	<b>52.277</b>	<b>494.822</b>	<b>547.099</b>
<b>SCCL</b>	0	59.374	<b>59.374</b>
Other Public	0.720	8.906	<b>9.626</b>
<b>Total Public</b>	<b>52.997</b>	<b>563.102</b>	<b>616.099</b>
<b>Total Private</b>	<b>6.548</b>	<b>27.672</b>	<b>34.220</b>
<b>ALL INDIA</b>	<b>59.545</b>	<b>590.774</b>	<b>650.319</b>

1.20 Statement 8 shows details of off-take of raw coal in India in the year 2016-17 by different sectors of economy. Analysis of total off-take by different sector shows that power sector accounted for 81.04% 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 2016-17 by Sector	
Sector	Off-take [MT]
Power (Utility)	470.976
Power (Captive)	56.280
Steel	11.845
Steel (Boilers)	0.658
Cement	6.434
Fertilizers	2.143
Sponge Iron	5.677
Other basic-Metal	0.651
Chemical	0.312
Pulp & Paper	1.184
Textiles & Rayons	0.243
Bricks	0.097
Others	93.819
Total Despatches	650.319
Colliery Consumption	0.289
<b>Total off-take</b>	<b>650.608</b>

1.21 Table 3.11 and 3.12 show details of coal despatch by type (coking and non-coking ) and grade of coal by each company during the year 2016-17

1.22 From Statement 9 it can be seen that despatch as well as off-take of lignite in the year 2016-17 was 43.155 MT. Like coal, lignite was mainly despatched to power sector and share was 89.96% of total off-take. Besides this lignite was despatched to other sectors also as shown in the statement below.

Statement 9: Off-take (MT) of Lignite by Sector in India – 2016-17	
Sector	Off-take (2016-17 [MT])
Power (Utility)	24.284
Power (Captive)	14.540
Steel	0.073
Cement	0.291
Fertiliser	0.001
Chemical	0.199
Pulp & Paper	0.526
Textiles & Rayons	1.464
Bricks	0.382
Others	1.395
Total Despatch	43.155
Colliery Consumption	0
<b>Total Off-take</b>	<b>43.155</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 31-03-2017 of coal and lignite was 77.285 MT and 6.883 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.

1.25

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
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	65.361	4.809
2016-17	77.285	6.883

1.26 Statement 11 shows pit head closing stock of coal of CIL- subsidiaries, SCCL and others as on 31-03-2016 and 31-03-2017. It can be seen that in 2016-17, CIL registered an increase of 21.19 % in its Pit head closing stock of coal in comparison with the figure of 2015-16. In the CIL Group, there was significant decline in closing stock in case of ECL and MCL whereas there was significant increase of closing stock in CCL, WCL and SECL. There was no significant change of closing stock in case SCCL and 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	
	31-03-2016	31-03-2017
(1)	(2)	(3)
<b>COAL :</b>		
ECL	5.055	2.555
BCCL	4.016	6.199
CCL	11.460	17.573
NCL	6.590	7.195
WCL	8.007	14.142
SECL	12.002	15.674
MCL	10.194	6.387

Statement 11: Company wise Pit Head Closing Stock (MT) of Coal in India		
Company	As on	
	31-03-2016	31-03-2017
(1)	(2)	(3)
NEC	0.359	0.183
<b>CIL</b>	<b>57.683</b>	<b>69.908</b>
SCCL	7.025	6.544
Others Public	0.068	0.159
<b>Total Public</b>	<b>64.776</b>	<b>76.611</b>
<b>Total Private</b>	<b>0.585</b>	<b>0.674</b>
<b>ALL INDIA</b>	<b>65.361</b>	<b>77.285</b>
<b>LIGNITE :</b>		
Statement 12: Company wise Pit Head Closing Stock (MT) of Lignite in India		
	As on	
	31-03-2016	31-03-2017
(1)	(2)	(3)
NLC	4.573	6.612
GMDCL	0	0
GIPCL	0	0
GHCL	0.011	0.012
RSMML	0	0
VSLPPL	0.031	0.062
BLMCL	0.194	0.197
<b>TOTAL</b>	<b>4.809</b>	<b>6.883</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 2016-17, import of raw coal of the country was 190.953 MT (in value 1002314 Million Rupees) against import of 202.949 MT (in value 860338 Million Rupees) in 2015-16. Thus in the year 2016-17, import of coal (in quantity) decreased by 5.91% over the previous year. The share of coking and non-coking coal is given in statement 13.

Statement 13: Import of Coal to India in 2016-17		
Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	41.644	412301
Non-Coking	149.309	590013
<b>Total</b>	<b>190.953</b>	<b>1002314</b>

It can be seen that the share of coking coal in the total quantity was 21.81% which in value terms accounted for 41.13 %.

1.30 Statement 14 shows source major country wise import of coal in India in 2016-17. It can be seen that Indonesia with 47.79% share (91.261 MT) remained the leading supplier of coal to India followed by Australia 24.43% (46.654 MT) and South Africa 17.75% (33.980 MT). These three countries together accounted for 90.16% of the total import to India during the year 2016-17.

Statement 14: Source Country-Wise Import of Coal to India during 2016-17		
Country	Quantity [MT]	Share
Indonesia	91.261	47.79 %
Australia	46.654	24.43 %
South Africa	33.980	17.75 %
USA	5.097	2.67 %
Russia	4.200	2.20 %
Mozambique	3.707	1.94 %
Canada	2.377	1.24 %
Others	3.677	1.93 %
<b>Total</b>	<b>190.953</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.

Statement 15: Source Country-Wise Import of Coking Coal to India during 2016-17		
Country	Quantity [MT]	% Share
Australia	36.503	87.65 %
Canada	2.300	5.52 %
USA	1.148	2.76 %
Mozambique	0.857	2.06 %
New Zealand	0.425	1.02 %
Others	0.411	0.99 %
<b>Total</b>	<b>41.644</b>	<b>100 %</b>

Statement 16: Source Country-Wise Import of Non-Coking Coal to India during 2016-17		
Country	Quantity [MT]	Share
Indonesia	91.261	61.12 %
South Africa	33.936	22.73 %
Australia	10.151	6.80 %
USA	3.949	2.64 %
Russia	3.913	2.62 %
Others	6.099	4.08 %
<b>Total</b>	<b>149.309</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.

Statement 17: Demand*, Despatch, Import and Export of Coking Coal of India [MT]				
Year	Demand*	Despatch	Import	Export
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	44.561	0.064
2016-17	56.620	59.545	41.644	0.027

Statement 18: Demand*, Despatch, Import and Export of Non-coking Coal of India [MT]				
Year	Demand*	Despatch	Import	Export
2012-13	720.540	511.277	110.228	2.387
2013-14	715.710	513.596	129.985	2.180
2014-15	731.570	547.334	174.068	1.196
2015-16	833.000	573.229	159.388	1.511
2016-17	828.250	590.774	149.309	1.746

\*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 2016-17 (Statement 19). It can be seen from the statement that the total export was 1.773 MT. Export to Bangladesh was 1.051 MT (59.28 %) followed by Nepal 0.639 MT (36.04 %) and Bhutan 0.039 MT (2.20 %).

Statement 19: Export of Coal by India to different countries during 2016-17		
Country	Quantity [MT]	% Share
Bangladesh PR	1.051	59.28 %
Nepal	0.639	36.04 %
Bhutan	0.039	2.20 %
United Arab Emts	0.037	2.09 %
Others	0.007	0.39 %
<b>Total</b>	<b>1.773</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 2016-17		
Country	Quantity [MT]	% Share
Bangladesh Pr.	0.027	100
<b>Total</b>	<b>0.027</b>	<b>100</b>

Statement 21: Export of Non-coking Coal from India to different countries during 2016-17		
Country	Quantity [MT]	Share
Bangladesh PR	1.024	58.65 %
Nepal	0.639	36.60 %
Bhutan	0.039	2.23 %
United Arab Emts	0.037	2.12 %
Others	0.007	0.40%
<b>Total</b>	<b>1.746</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.

1.35 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]

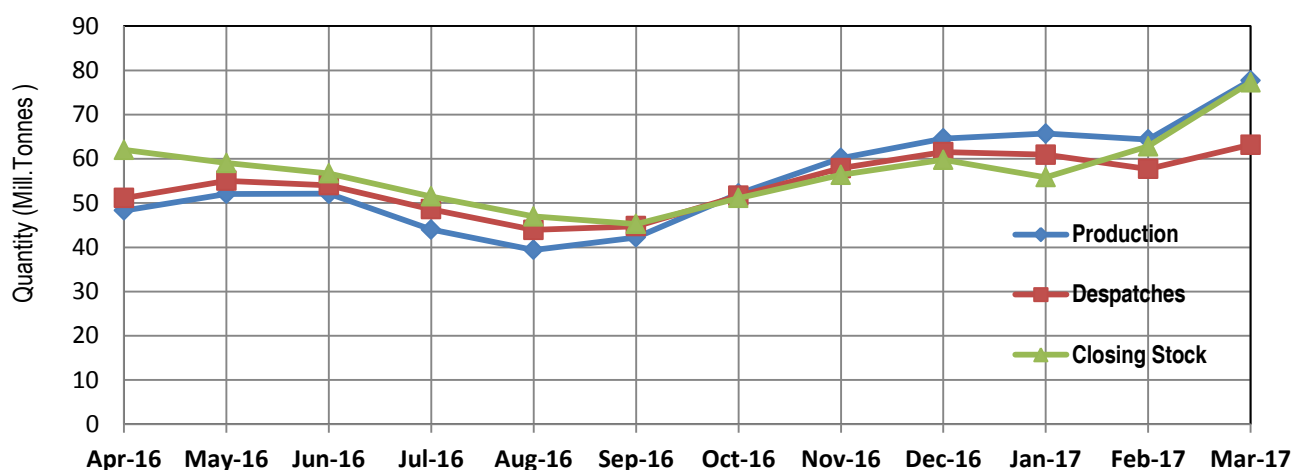
1.38 As per Coal Mines (Special Provisions) Act, 2015, allocation of Schedule-I coal mines started by way of Public Auction or on the basis of Competitive Bids for Tariff. Up to 31.03.2017 re-allocation (either vested or allotted) was done in respect of 99 coal blocks. 7 Nos. of coal blocks have been given to Coal India Limited. Out of 7 coal blocks given to CIL 3 blocks were producing coal during 2016-17, these are (i) Gare Palma IV/2 & 3 and (ii) Gare Palma IV/ 1.

1.39 In 2016-17 Moher and Moher Amlori coal blocks of Sasan Power Ltd. and Pakri Burwadih of NTPC Ltd. allocation of which were not cancelled by the Supreme Court produced coal in 2016-17. Another 13 coal blocks vested/ allotted including 3 blocks under CIL started production. From these total 16 coal blocks production of coal was 37.867 MT in 2016-17.

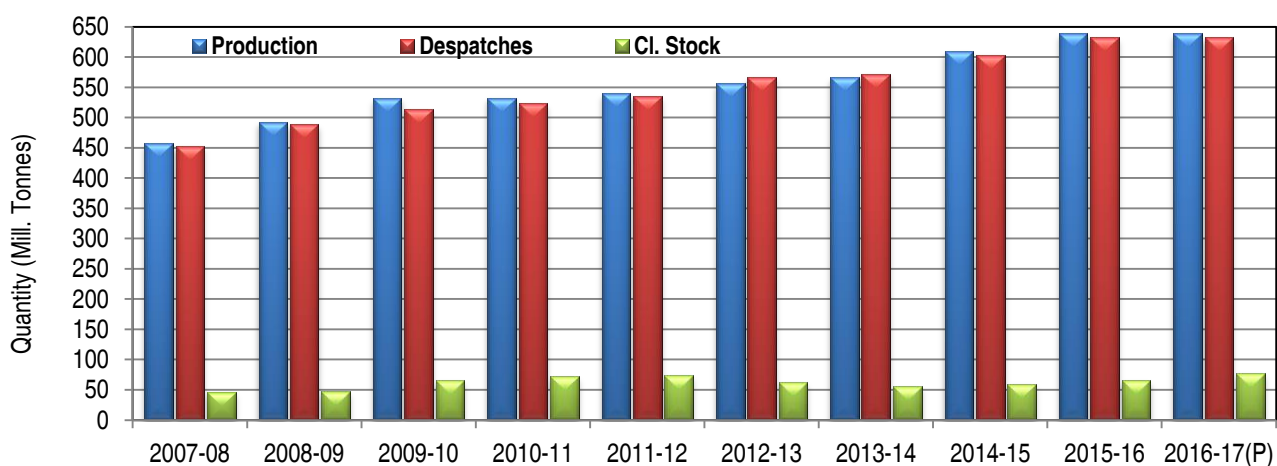
1.40 Under the "Auction by Competitive Bidding Rules, 2012", 13 regionally explored coal blocks have been allotted to Central/State Government companies. In addition, 04 regionally explored lignite blocks have also been allotted to Government companies of Government of Gujarat.

1.41 Therefore, as on 31.03.2017, numbers of coal blocks stand exist was 99 (vested/ allotted -69 + Custodian – 7 + Under Auction by Competitive Bidding Rules, 2012 – 13 and blocks not cancelled – 10).

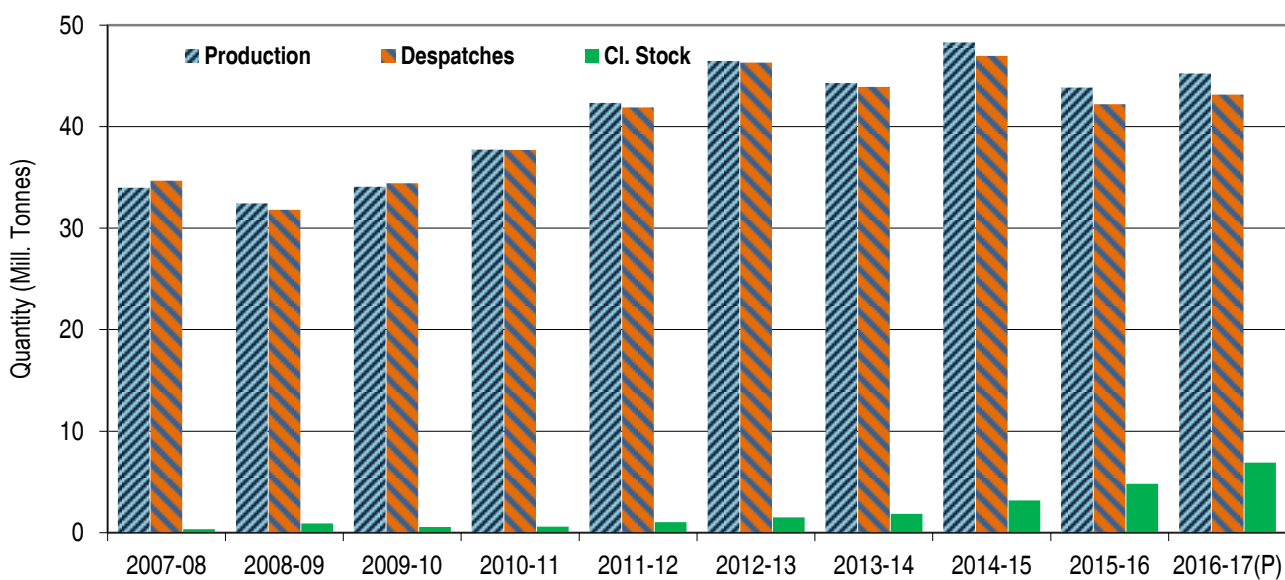
**Chart-I : MONTH-WISE RAW COAL PRODUCTION, DESPATCHES & STOCK  
IN INDIA, 2016-17**



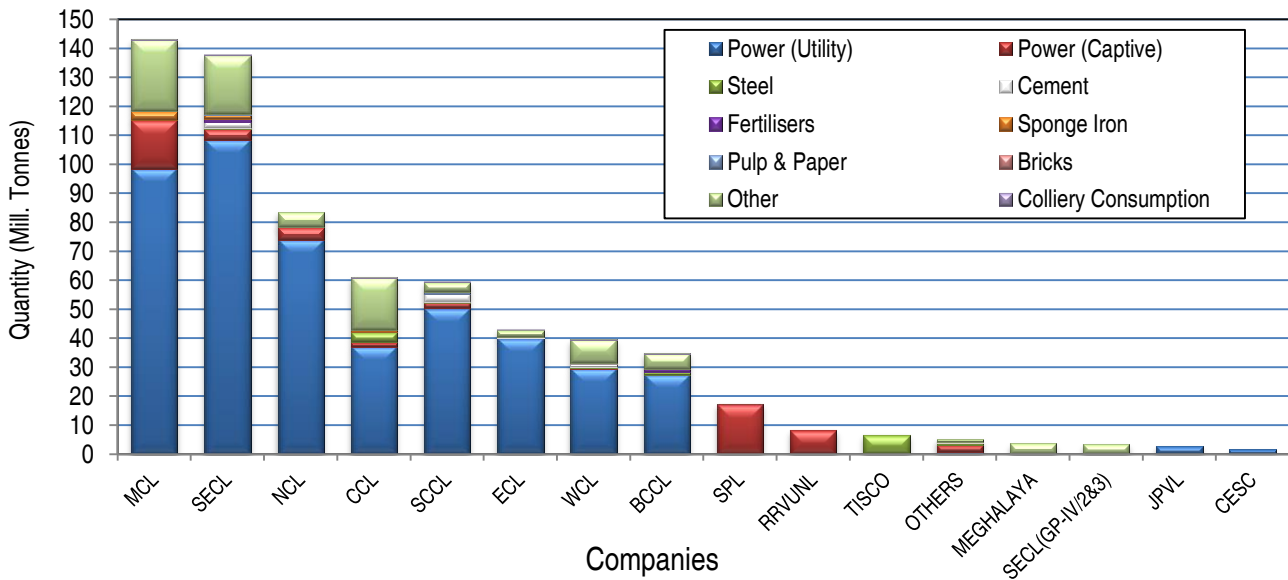
**Chart-II : RAW COAL PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS**



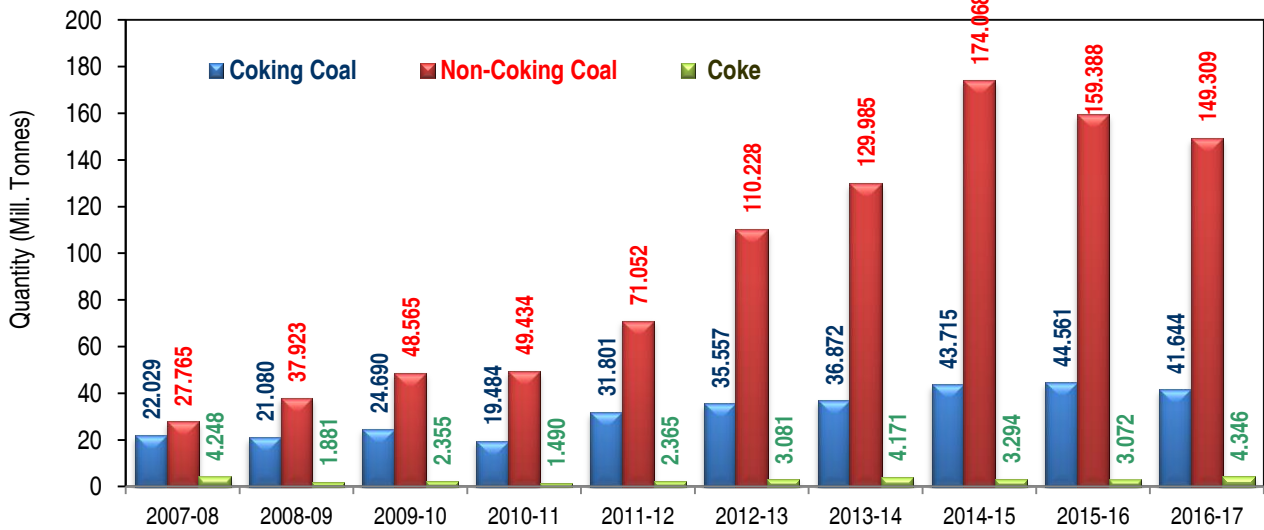
**Chart-III : LIGNITE PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS**



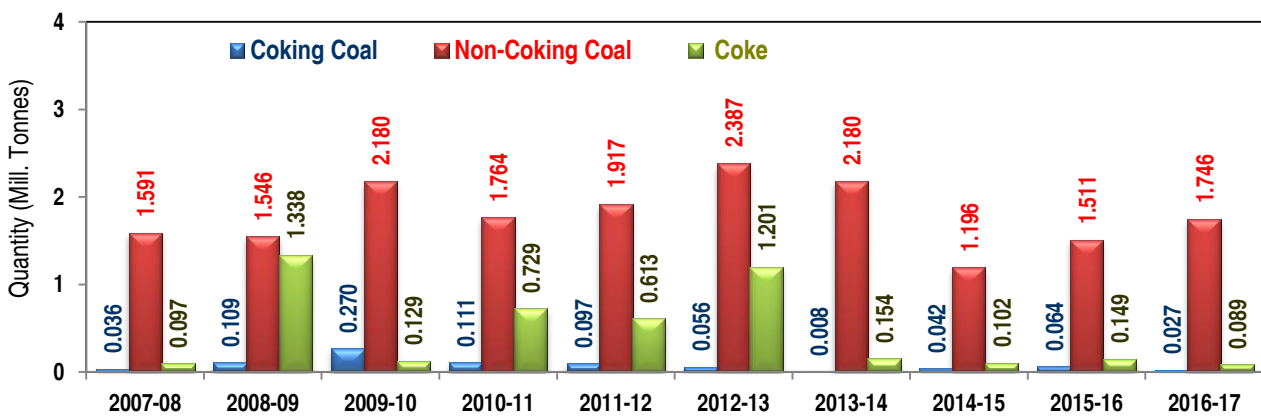
**Chart -IV : Sectorwise Despatches of Raw Coal from different companies in 2016-17**



**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: 2016-17**

(Quantity in MillionTonnes)

Sector	Demand ( BE )	Actual Supply			Achievement
		Indigenous	Import	Total	
<b>I. Coking Coal</b>					
1 Steel / Coke Oven/ Private Cokeries	12.51	12.50		12.50	
2 Import	44.11		41.64	41.64	
<b>Sub Total (Raw Coal)</b>	<b>56.62</b>	<b>12.50</b>	<b>41.64</b>	<b>54.15</b>	<b>95.6%</b>
<b>II. Non Coking Coal</b>					
3 Power (Utilities)	598.73	470.98		470.98	78.7%
4 Power (Captive) [CPP]*	91.11	56.28		56.28	61.8%
5 Cement	34.37	6.43		6.43	18.7%
6 Sponge Iron	24.05	5.68		5.68	23.6%
7 Others	80.00	98.45		98.45	123.1%
8 Coll. Consumption		0.29		0.29	-
<b>Sub-total (Raw Coal)</b>	<b>828.26</b>	<b>638.11</b>	<b>149.31</b>	<b>787.41</b>	<b>95.1%</b>
<b>III. Total Raw Coal Offtake</b>	<b>884.88</b>	<b>650.61</b>	<b>190.95</b>	<b>841.56</b>	<b>95.1%</b>

Note:

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

2 Import of Coal (Provisional) for the year 2016-17 (Source DGCI&amp;S)

\* CPP includes despatch to Fertilizer Sector.

**Table 1.2: Supply Plan of Indigenous Coal - Sourcewise in 2016-17**

(Quantity in MillionTonnes)

Source of Supply	Supply Plan (BE)	Actual supply	Achievement
1 ECL	46.94	43.019	91.6%
2 BCCL	37.00	34.854	94.2%
3 CCL	67.00	60.934	90.9%
4 NCL	82.00	83.491	101.8%
5 WCL	48.00	39.497	82.3%
6 SECL*	149.67	141.790	94.7%
7 MCL	167.00	143.012	85.6%
8 NEC	1.00	0.777	77.7%
<b>9 Total CIL</b>	<b>598.61</b>	<b>547.374</b>	<b>91.4%</b>
10 SCCL	58.00	59.388	102.4%
11 <b>Others</b>	68.10	43.846	64.4%
<b>All India Indigenous Coal Supply</b>	<b>724.71</b>	<b>650.608</b>	<b>89.8%</b>

\* Including GP=IV/1 &amp; GP-IV/2&amp;3

Total Coal Supply / Availability	BE (2015-16)	Actual	Achievement
a. Demand	884.87	841.56	95.1%
b. Indigenous Supply	724.71	650.61	89.8%
c. Materialisation through Import	160.16	190.95	119.2%
d. Total Supply/ Availability	884.87	841.56	95.1%
e. Overall Demand - Supply Gap	0	43	

Demand &amp; Supply Plan is as per Annual Plan 2016-17 of MOC and Actual is from Sectorwise Off-take table.

**Table 1.3: Indigenous Coal Supply Plan (BE) & Achievement : 2016-17**

(Quantity in MillionTonnes)

Sector	BE (2016-17) \$				Actual				Achievement ( %)			
	CIL	SCCL	Others	Total	CIL	SCCL	Others	Total	CIL	SCCL	Others	Total
<b>I. Coking Coal</b>												
1 Steel (Indigenous)	6.34	0.00	7.30	13.64	4.901	0.309	7.293	12.503	77%		100%	92%
2 Private Cokerries/												
<b>Sub Total (R/C)</b>	<b>6.34</b>	<b>0.00</b>	<b>7.30</b>	<b>13.64</b>	<b>4.901</b>	<b>0.309</b>	<b>7.293</b>	<b>12.503</b>	<b>77%</b>		<b>100%</b>	<b>92%</b>
<b>II. Non Coking Coal</b>												
3 Power (Utilities)	450.00	47.24	44.14	541.38	415.870	50.482	4.624	470.976	92%	107%	10%	87%
4 Power (Captive) CPP)#	40.40	1.88	3.13	45.41	26.595	1.772	27.913	56.280	66%	94%	892%	124%
5 Cement	5.59	3.80	0.90	10.29	3.689	2.703	0.042	6.434	66%	71%	5%	63%
6 Sponge Iron/ CDI	8.50	0.14	0.27	8.91	5.438	0.102	0.137	5.677	64%	73%	51%	64%
7 Others	87.45	4.88	12.36	104.69	90.606	4.006	3.837	98.449	104%	82%	31%	94%
8 Colly. Consumption	0.33	0.06	0.00	0.39	0.275	0.014	0.000	0.289	83%	23%		74%
<b>Sub-total (R/C)</b>	<b>592.27</b>	<b>58.00</b>	<b>60.80</b>	<b>711.07</b>	<b>542.473</b>	<b>59.079</b>	<b>36.553</b>	<b>638.105</b>	<b>92%</b>	<b>102%</b>	<b>60%</b>	<b>90%</b>
<b>III. Total Raw Coal</b>	<b>598.61</b>	<b>58.00</b>	<b>68.10</b>	<b>724.71</b>	<b>547.374</b>	<b>59.388</b>	<b>43.846</b>	<b>650.608</b>	<b>91%</b>	<b>102%</b>	<b>64%</b>	<b>90%</b>

\$ Based on Annual Plan 2016-17 of MOC.

# CPP Includes Despatch to Fertilizer Sector.

**TABLE 1.4 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF RAW COAL & LIGNITE DURING 2015-16 & 2016-17**  
(Quantity in Million Tonnes)

Availability (within India)	2015-16	2016-17	Supply (within India)	2015-16				2016-17			
				Raw Coal	Lignite	Imported Coal	Total	Raw Coal	Lignite	Imported Coal	Total
<b>(A) Production</b>			Sectors								
Coking Coal	60.887	61.661									
Non-coking Coal	578.343	601.131									
Lignite	43.842	45.230	Steel & Washery	12.273	0.012	44.561	<b>56.846</b>	12.503	0.073	41.644	<b>54.220</b>
<b>Total</b>	<b>683.072</b>	<b>708.022</b>	Power (Utility+Captive)	517.769	37.555	N.A.	<b>555.324</b>	527.256	38.824	N.A.	<b>566.080</b>
<b>(B) Change of Vendible Stock (Closing - Opening)</b>			Cement	8.985	0.225	N.A.	<b>9.210</b>	6.434	0.291	N.A.	<b>6.725</b>
Coking Coal	1.760	2.462	Textile	0.267	1.728		<b>1.995</b>	0.243	1.464		<b>1.707</b>
Non-coking Coal	4.212	9.462	Sponge Iron	7.763			<b>7.763</b>	5.677			<b>5.677</b>
Lignite	1.633	2.074	Fertilizer & Chem.	2.736	0.003		<b>2.739</b>	3.327	0.200		<b>3.527</b>
<b>Total Change (Cl - Op)</b>	<b>7.605</b>	<b>13.998</b>	Paper	1.211	0.427		<b>1.638</b>	1.184	0.526		<b>1.710</b>
<b>(C) Import</b>			Brick	0.074	0.392		<b>0.466</b>	0.097	0.382		<b>0.479</b>
Coking Coal	44.561	41.644	Others	81.364	1.869	159.388	<b>242.621</b>	93.598	1.395	149.309	<b>244.302</b>
Non-coking Coal	159.388	149.309	Colliery Consmn.	0.336			<b>0.336</b>	0.289			<b>0.289</b>
<b>Total Raw Coal</b>	<b>203.949</b>	<b>190.953</b>	<b>Total Off-take</b>	<b>632.778</b>	<b>42.211</b>	<b>203.949</b>	<b>878.938</b>	<b>650.608</b>	<b>43.155</b>	<b>190.953</b>	<b>884.716</b>
<b>(D) Export</b>	<b>1.575</b>	<b>1.773</b>									
			Statistical Difference				<b>-1.097</b>				<b>-1.512</b>
<b>(E) Total Availability</b>	<b>877.841</b>	<b>883.204</b>	<b>Total Supply</b>				<b>877.841</b>				<b>883.204</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 : 2007-08 to 2016-17 (Mill Tonnes)**

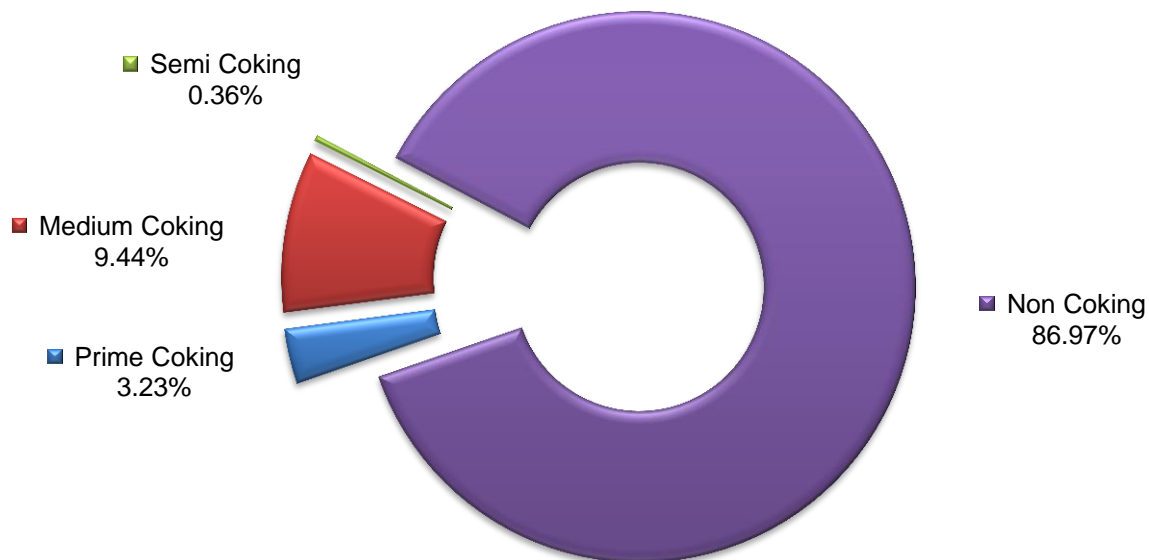
Year	Fuel type	Production	Imports	Exports	Net Import	Opening Stock	Closing Stock	Stock Change	T P S
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2007-08	Coal	457.082	49.794	1.627	48.167	44.348	46.779	2.431	502.818
	Lignite	33.980			0.000	1.002	0.328	-0.674	34.654
	Total	491.062	49.794	1.627	48.167	45.350	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	639.230	203.949	1.575	202.374	59.389	65.361	5.972	847.576
	Lignite	43.842	0.001	0.001	0.001	3.176	4.809	1.633	45.476
	Total	683.072	203.950	1.576	202.375	62.565	70.170	7.605	893.052
2016-17	Coal	662.792	190.953	1.773	189.180	65.361	77.285	11.924	863.896
	Lignite	45.230	0.019	0.005	0.014	4.809	6.883	2.074	47.318
	Total	708.022	190.972	1.778	189.194	70.170	84.168	13.998	911.214

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 2015, 2016 & 2017**

Type of Coal	As on	Reserve (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	<b>Total</b>
(1)	(2)	(3)	(4)	(5)	(6)
Prime Coking	01/04/2015	4,614	699	0.00	<b>5,313</b>
	01/04/2016	4,614	699	0.00	<b>5,313</b>
	01/04/2017	4,614	699	0.00	<b>5,313</b>
Medium Coking	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>
	01/04/2017	13,501	12,133	1,879	<b>27,513</b>
Blendable / Semi Coking	01/04/2015	482	1,004	222	<b>1,708</b>
	01/04/2016	482	1,004	222	<b>1,708</b>
	01/04/2017	519	995	193	<b>1,708</b>
Non Coking (Including High Sulphur )	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>
	01/04/2017	1,24,423	1,25,485	30,706	<b>2,80,615</b>
<b>Total</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>
	<b>01/04/2017 *</b>	<b>1,43,058</b>	<b>1,39,311</b>	<b>32,779</b>	<b>3,15,149</b>

**DISTRIBUTION OF PROVED RESERVE OF COAL IN INDIA AS ON 01/04/2017**



\* Including Sikkim

Source: Geological Survey of India

**TABLE - 1.7: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2015, 2016 & 2017**

(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	1/4/2015	0	4	0	<b>4</b>	ARUNACHAL	1/4/2015	31	40	19	<b>90</b>
	1/4/2016	0	14	0	<b>14</b>	PRADESH	1/4/2016	31	40	19	<b>90</b>
	1/4/2017	0	14	0	<b>14</b>		1/4/2017	31	40	19	<b>90</b>
ANDHRA PRADESH	1/4/2015	0	1,149	432	<b>1,581</b>	ASSAM	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>
	1/4/2017	0	1,149	432	<b>1,581</b>		1/4/2017	465	43	3	<b>511</b>
JHARKHAND	1/4/2015	41,463	33,026	6,559	<b>81,049</b>	MEGHALAYA	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>
	1/4/2017	44,341	31,876	6,223	<b>82,440</b>		1/4/2017	89	17	471	<b>576</b>
BIHAR	1/4/2015	0	0	160	<b>160</b>	NAGALAND	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>
	1/4/2017	0	0	1,354	<b>1,354</b>		1/4/2017	9	0	402	<b>410</b>
MADHYA PRADESH	1/4/2015	10,411	12,784	3,341	<b>26,536</b>	TERTIARY	1/4/2015	594	99	799	<b>1,493</b>
	1/4/2016	10,918	12,696	3,293	<b>26,907</b>	Coalfields	1/4/2016	594	99	799	<b>1,493</b>
	1/4/2017	11,269	12,760	3,645	<b>27,673</b>		1/4/2017	594	99	895	<b>1,588</b>
CHHATTISGARH	1/4/2015	18,237	34,390	2,285	<b>54,912</b>	<b>INDIA</b>	<b>1/4/2015</b>	<b>1,31,043</b>	<b>1,43,911</b>	<b>32,114</b>	<b>3,07,069</b>
	1/4/2016	19,136	34,614	2,287	<b>56,036</b>		<b>1/4/2016</b>	<b>1,43,058</b>	<b>1,39,311</b>	<b>32,685</b>	<b>3,15,054</b>
	1/4/2017	19,997	34,462	2,202	<b>56,661</b>		<b>1/4/2017</b>	<b>1,43,058</b>	<b>1,39,311</b>	<b>32,780</b>	<b>3,15,149</b>
MAHARASHTRA	1/4/2015	5,953	3,190	2,110	<b>11,253</b>	Singrimari coalfield of Assam (Non-Coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.					
	1/4/2016	6,208	3,151	2,077	<b>11,436</b>						
	1/4/2017	7,038	3,158	2,063	<b>12,259</b>						
ODISHA	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>						
	1/4/2017	34,810	34,060	8,415	<b>77,285</b>						
SIKKIM	1/4/2015	0	58	43	<b>101</b>						
	1/4/2016	0	58	43	<b>101</b>						
	1/4/2017	0	58	43	<b>101</b>						
UTTAR PRADESH	1/4/2015	884	178	0	<b>1,062</b>						
	1/4/2016	884	178	0	<b>1,062</b>						
	1/4/2017	884	178	0	<b>1,062</b>						
TELANGANA	1/4/2016	10,128	8586	2700	<b>21,415</b>						
	1/4/2017	10,402	8,542	2,520	<b>21,464</b>						
WEST BENGAL	1/4/2015	12,947	12,531	4,850	<b>30,328</b>						
	1/4/2016	13,602	13,021	4,907	<b>31,529</b>						
	1/4/2017	13,723	12,954	4,990	<b>31,667</b>						
<b>GONDAWANA</b>	<b>1/4/2015</b>	<b>1,30,450</b>	<b>1,43,812</b>	<b>31,316</b>	<b>3,05,578</b>						
	<b>1/4/2016</b>	<b>1,42,464</b>	<b>1,39,212</b>	<b>31,885</b>	<b>3,13,561</b>						
	<b>1/4/2017</b>	<b>1,42,464</b>	<b>1,39,212</b>	<b>31,885</b>	<b>3,13,561</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 1<sup>st</sup> APRIL 2015, 2016 & 2017**

State	As on	Resources (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	<b>Total</b>
(2)	(1)	(3)	(4)	(5)	(6)
Gujarat	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>
	01-04-2017	1278.65	283.70	1159.70	<b>2722.05</b>
J & K	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>
	01-04-2017	0.00	20.25	7.30	<b>27.55</b>
Kerala	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>
	01-04-2017	0.00	0.00	9.65	<b>9.65</b>
Pondicherry	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>
	01-04-2017	0.00	405.61	11.00	<b>416.61</b>
Rajasthan	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>
	01-04-2017	1168.53	2670.83	1896.60	<b>5735.96</b>
Tamilnadu	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>
	01-04-2017	4093.53	22632.87	9055.98	<b>35782.38</b>
West Bengal	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>
	01-04-2017	0.00	1.13	2.80	<b>3.93</b>
<b>All India</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>
	<b>01-04-2017</b>	<b>6540.71</b>	<b>26014.39</b>	<b>12143.03</b>	<b>44698.13</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
	Final	60.887	578.343	<b>639.230</b>	43.842	59.213	573.229	<b>632.442</b>	42.211
	Change(A-P)	0.00%	0.00%	<b>0.00%</b>	0.00%	0.00%	0.05%	<b>0.04%</b>	0.00%
2016-17	Provisional	61.661	601.131	<b>662.792</b>	45.230	59.545	590.774	<b>650.319</b>	43.155

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)
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	639.230	4.93	43.842	-9.17	683.072	3.90
2016-17	662.792	3.69	45.230	3.17	708.022	3.65

**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)
2007-08	18.065	4.84	34.455	7.35	422.627	5.99	457.082	6.09
2008-09	17.301	-4.20	34.809	1.00	457.948	8.40	492.757	7.84
2009-10	17.731	2.49	44.413	27.59	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	14.339	4.03	60.887	5.99	578.343	4.82	639.230	4.93
2016-17	14.670	2.31	61.661	1.27	601.131	3.94	662.792	3.69

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)
2007-08	7.171	2.1	12.686	0.0	6.150	4.7	3.276	14.6	12.542	-0.2
2008-09	7.181	0.1	13.550	6.8	5.294	-13.9	3.264	-0.4	12.619	0.6
2009-10	6.547	-8.8	13.963	3.0	4.642	-12.3	3.264	0.0	12.663	0.3
2010-11	6.955	6.2	14.532	4.1	4.643	0.0	3.589	10.0	12.880	1.7
2011-12	6.496	-6.6	15.437	6.2	3.674	-20.9	3.669	2.2	14.330	11.3
2012-13	6.550	0.8	14.190	-8.1	5.464	48.7	3.825	4.3	11.694	-18.4
2013-14	6.614	1.0	15.699	10.6	4.913	-10.1	3.926	2.6	12.606	7.8
2014-15	6.070	-8.2	17.294	10.2	4.750	-3.3	3.742	-4.7	14.29	13.4
2015-16	6.182	1.8	17.119	-1.0	5.525	16.3	0	-	14.368	0.5
2016-17	6.416	3.8	16.357	-4.5	4.720	-14.6	0 *	-	13.809	-3.9

Note: 1. The above figures relates to Washeries (public & private) of only coal producing companies.  
2. Hard Coke data relates to steel plants only. There are Private sector, specially in small scale, data of which are not readily available.

**TABLE 2.4: MONTHLY PRODUCTION OF DIFFERENT TYPES OF RAW COAL AND LIGNITE IN 2016-17**

(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>2016-17</b>												
Apr-16	4.488	-2.8	7.3	43.816	-0.5	7.3	48.304	-0.7	7.3	1.990	-32.0	4.4
May-16	4.593	1.0	7.4	47.472	5.5	7.9	52.065	5.1	7.9	3.213	-9.6	7.1
Jun-16	4.437	1.1	7.2	47.664	12.7	7.9	52.101	11.6	7.9	3.708	6.4	8.2
<b>1st Quarter</b>	<b>13.518</b>	<b>-0.2</b>	<b>21.9</b>	<b>138.952</b>	<b>5.8</b>	<b>23.1</b>	<b>152.470</b>	<b>5.3</b>	<b>23.0</b>	<b>8.911</b>	<b>-10.6</b>	<b>19.7</b>
Jul-16	4.115	-1.0	6.7	39.898	4.9	6.6	44.013	4.3	6.6	3.027	-1.6	6.7
Aug-16	3.998	-6.2	6.5	35.393	-10.2	5.9	39.391	-9.8	5.9	2.831	-16.6	6.3
Sep-16	4.111	-5.8	6.7	38.127	-6.3	6.3	42.238	-6.3	6.4	3.895	25.1	8.6
<b>2nd Quarter</b>	<b>12.224</b>	<b>-4.4</b>	<b>19.8</b>	<b>113.418</b>	<b>-4.0</b>	<b>18.9</b>	<b>125.642</b>	<b>-4.0</b>	<b>19.0</b>	<b>9.753</b>	<b>1.8</b>	<b>21.6</b>
Oct-16	4.699	-1.3	7.6	47.454	0.2	7.9	52.153	0.1	7.9	3.234	-12.1	7.2
Nov-16	5.189	-1.5	8.4	54.983	6.6	9.1	60.172	5.8	9.1	3.649	56.8	8.1
Dec-16	5.790	-0.7	9.4	58.777	5.6	9.8	64.567	5.0	9.7	4.545	48.9	10.0
<b>3rd Quarter</b>	<b>15.678</b>	<b>-1.1</b>	<b>25.4</b>	<b>161.214</b>	<b>4.3</b>	<b>26.8</b>	<b>176.892</b>	<b>3.8</b>	<b>26.7</b>	<b>11.428</b>	<b>26.2</b>	<b>25.3</b>
Jan-17	6.568	11.5	10.7	59.151	4.0	9.8	65.719	4.7	9.9	5.046	13.8	11.2
Feb-17	6.026	-0.6	9.8	58.333	7.6	9.7	64.359	6.8	9.7	4.615	-8.9	10.2
Mar-17	7.647	13.4	12.4	70.063	10.8	11.7	77.710	11.1	11.7	5.477	-4.5	12.1
<b>4th Quarter</b>	<b>20.241</b>	<b>8.3</b>	<b>32.8</b>	<b>187.547</b>	<b>7.6</b>	<b>31.2</b>	<b>207.788</b>	<b>7.7</b>	<b>31.4</b>	<b>15.138</b>	<b>-0.6</b>	<b>33.5</b>
<b>2016-17</b>	<b>61.661</b>	<b>1.3</b>	<b>100.0</b>	<b>601.131</b>	<b>3.9</b>	<b>100.0</b>	<b>662.792</b>	<b>3.7</b>	<b>100.0</b>	<b>45.230</b>	<b>3.2</b>	<b>100.0</b>

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

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



**TABLE 2.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN 2016-17**

(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>2016-17</b>															
Apr-16	0.446	-9.3	7.0	1.111	5.9	6.8	0.444	4.0	9.4	0.000	0.0	0.0	1.133	-7.5	8.2
May-16	0.479	-5.7	7.5	1.446	25.1	8.8	0.428	13.5	9.1	0.000	0.0	0.0	1.143	-9.1	8.3
Jun-16	0.483	-0.8	7.5	1.690	35.4	10.3	0.395	-9.8	8.4	0.000	0.0	0.0	1.139	-6.4	8.2
<b>1st Quarter</b>	<b>1.408</b>	<b>-5.3</b>	<b>21.9</b>	<b>4.247</b>	<b>23.0</b>	<b>26.0</b>	<b>1.267</b>	<b>2.0</b>	<b>26.8</b>	<b>0.000</b>	<b>0.0</b>	<b>0.0</b>	<b>3.415</b>	<b>-7.7</b>	<b>24.7</b>
Jul-16	0.474	-6.5	7.4	1.220	6.8	7.5	0.413	-9.4	8.8	0.000	0.0	0.0	1.175	-5.5	8.5
Aug-16	0.483	-1.0	7.5	0.806	-29.4	4.9	0.379	-6.7	8.0	0.000	0.0	0.0	1.179	-5.4	8.5
Sep-16	0.483	-8.3	7.5	0.835	-44.7	5.1	0.362	-4.2	7.7	0.000	0.0	0.0	1.134	-3.0	8.2
<b>2nd Quarter</b>	<b>1.440</b>	<b>-5.4</b>	<b>22.4</b>	<b>2.861</b>	<b>-24.6</b>	<b>17.5</b>	<b>1.154</b>	<b>-6.9</b>	<b>24.4</b>	<b>0.000</b>	<b>0.0</b>	<b>0.0</b>	<b>3.488</b>	<b>-4.7</b>	<b>25.3</b>
Oct-16	0.497	-1.8	7.7	1.268	-11.9	7.8	0.363	-27.7	7.7	0.000	0.0	0.0	1.197	5.4	8.7
Nov-16	0.577	9.9	9.0	1.455	-5.9	8.9	0.413	-14.5	8.8	0.000	0.0	0.0	1.167	-1.2	8.5
Dec-16	0.652	13.0	10.2	1.539	-6.2	9.4	0.364	-32.6	7.7	0.000	0.0	0.0	1.107	-1.5	8.0
<b>3rd Quarter</b>	<b>1.726</b>	<b>7.3</b>	<b>26.9</b>	<b>4.262</b>	<b>-7.9</b>	<b>26.1</b>	<b>1.140</b>	<b>-25.2</b>	<b>24.2</b>	<b>0.000</b>	<b>0.0</b>	<b>0.0</b>	<b>3.471</b>	<b>0.9</b>	<b>25.1</b>
Jan-17	0.631	14.5	9.8	1.660	-12.7	10.1	0.360	-32.2	7.6	0.000	0.0	0.0	1.209	1.8	8.8
Feb-17	0.577	12.5	9.0	1.516	0.1	9.3	0.372	-18.1	7.9	0.000	0.0	0.0	1.026	1.1	7.4
Mar-17	0.634	26.5	9.9	1.811	-1.2	11.1	0.427	-19.9	9.0	0.000	0.0	0.0	1.200	2.0	8.7
<b>4th Quarter</b>	<b>1.842</b>	<b>17.7</b>	<b>28.7</b>	<b>4.987</b>	<b>-5.0</b>	<b>30.5</b>	<b>1.159</b>	<b>-23.6</b>	<b>24.6</b>	<b>0.000</b>	<b>0.0</b>	<b>0.0</b>	<b>3.435</b>	<b>1.7</b>	<b>24.9</b>
<b>2016-17</b>	<b>6.416</b>	<b>3.8</b>	<b>100.0</b>	<b>16.357</b>	<b>-4.5</b>	<b>100.0</b>	<b>4.720</b>	<b>-14.6</b>	<b>100.0</b>	<b>0.000</b>	<b>0.0</b>	<b>0.0</b>	<b>13.809</b>	<b>-2.6</b>	<b>100.0</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)
2007-08	0.079	0.0	0.0	1.101	0.2	4.9	90.172	19.7	8.3
2008-09	0.142	0.7	79.7	1.009	0.2	-8.4	101.922	20.7	13.0
2009-10	0.251	1.2	76.8	1.113	0.2	10.3	109.953	20.7	7.9
2010-11	0.299	1.4	19.1	1.101	0.2	-1.1	113.825	21.4	3.5
2011-12	0.221	1.0	-26.1	0.602	0.1	-45.3	113.958	21.1	0.1
2012-13	0.073	0.3	-67.0	0.605	0.1	0.5	117.830	21.2	3.4
2013-14	0	-	-	0.664	0.1	9.8	127.095	22.5	7.9
2014-15	0	-	-	0.779	0.1	17.3	134.764	22.1	6.0
2015-16	0	-	-	0.487	0.1	-37.5	130.605	20.4	-3.1
2016-17	0	-	-	0.600	0.1	23.2	143.849	21.7	10.1

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)
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	0.013	0.0	0.0	121.067	18.9	-2.5	107.714	16.9	22.9
2016-17	0.010	0.0	-23.1	126.435	19.1	4.4	105.013	15.8	-2.5

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)
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	106.409	20.0	8.1
2010-11	39.336	7.4	-4.1	6.974	1.3	17.3	102.565	19.3	-3.6
2011-12	39.159	7.3	-0.4	7.206	1.3	3.2	105.476	19.5	2.8
2012-13	39.134	7.0	-0.1	5.640	1.0	-27.8	110.132	19.8	4.4
2013-14	37.223	6.6	-4.9	5.732	1.0	1.6	112.917	20.0	2.5
2014-15	38.257	6.3	2.8	2.524	0.4	-127.1	123.627	20.3	9.5
2015-16	38.351	6.0	0.2	3.712	0.6	32.0	138.461	21.7	12.0
2016-17	40.559	6.1	5.8	3.712	0.6	0.0	139.359	21.0	0.6

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)
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	4.3	1.0
2010-11	51.333	9.6	1.8	15.526	2.9	11.2	21.659	4.1	-6.4
2011-12	52.211	9.7	1.7	16.178	3.0	4.2	24.230	4.5	11.9
2012-13	53.190	9.6	1.9	16.090	2.9	-0.5	26.467	4.8	9.2
2013-14	50.469	8.9	-5.1	14.721	2.6	-8.5	28.244	5.0	6.7
2014-15	52.536	8.6	4.1	14.957	2.5	1.6	29.970	4.9	6.1
2015-16	60.380	9.4	14.9	12.689	2.0	-15.2	25.751	4.0	-14.1
2016-17	59.532	9.0	-1.4	16.056	2.4	26.5	27.667	4.2	7.4

Year	ALL INDIA	
	Quantity	Growth (%)
(41)	(42)	(43)
2007-08	<b>457.082</b>	<b>6.1</b>
2008-09	<b>492.757</b>	<b>7.8</b>
2009-10	<b>532.042</b>	<b>8.0</b>
2010-11	<b>532.694</b>	<b>0.1</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>639.230</b>	<b>4.9</b>
2016-17	<b>662.792</b>	<b>3.7</b>

**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)
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	56.9	1.4	12.317	27.8	-15.2	10.763	24.3	52.0
2015-16	24.227	55.3	-3.3	10.123	23.1	-12.6	9.492	21.7	24.5
2016-17	26.204	57.9	4.0	10.546	23.3	-14.4	8.480	18.7	-21.2

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
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>43.842</b>	-9.2
2016-17	<b>45.230</b>	3.2

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

( Quantity in Million Tonnes )

State	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)
<b>COKING</b>					
Chhattisgarh	0.157	0.125	0.126	0.135	0.110
Jharkhand	51.065	55.088	56.430	58.548	59.604
Madhya Pradesh	0.330	0.249	0.310	0.209	0.131
West Bengal	0.030	1.356	0.580	1.995	1.816
<b>Total Coking</b>	<b>51.582</b>	<b>56.818</b>	<b>57.446</b>	<b>60.887</b>	<b>61.661</b>
<b>NON-COKING</b>					
Arunachal Pradesh	0.073	0.000	0.000	0.000	0.000
Assam	0.605	0.664	0.779	0.487	0.600
Chhattisgarh	117.673	126.970	134.638	130.470	143.739
Jammu & Kashmir	0.019	0.019	0.013	0.013	0.010
Jharkhand	60.209	58.003	67.713	62.519	66.831
Madhya Pradesh	75.618	75.341	87.299	107.505	104.882
Maharashtra	39.134	37.223	38.257	38.351	40.559
Meghalaya	5.640	5.732	2.524	3.712	3.712
Odisha	110.132	112.917	123.627	138.461	139.359
Telangana	53.190	50.469	52.536	60.380	59.532
Uttar Pradesh	16.090	14.721	14.957	12.689	16.056
West Bengal	26.437	26.888	29.390	23.756	25.851
<b>Total Non-Coking</b>	<b>504.820</b>	<b>508.947</b>	<b>551.733</b>	<b>578.343</b>	<b>601.131</b>

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

( Quantity in Million Tonnes )

State	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)
Gujarat	14.528	11.588	12.317	10.123	10.546
Rajasthan	7.081	7.627	10.763	9.492	8.480
Tamilnadu	24.844	25.056	25.190	24.227	26.204
<b>TOTAL</b>	<b>46.453</b>	<b>44.271</b>	<b>48.270</b>	<b>43.842</b>	<b>45.230</b>

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

[Quantity in Million Tonnes]

Company	2014-15			2015-16			2016-17		
	Coking	Non-coking	Total	Coking	Non-coking	Total	Coking	Non-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.034	39.972	<b>40.006</b>	0.012	40.196	<b>40.208</b>	0.031	40.486	<b>40.517</b>
BCCL	30.770	3.742	<b>34.512</b>	32.648	3.213	<b>35.861</b>	32.393	4.644	<b>37.037</b>
CCL	19.326	36.326	<b>55.652</b>	20.697	40.627	<b>61.324</b>	21.988	45.059	<b>67.047</b>
NCL		72.484	<b>72.484</b>		80.224	<b>80.224</b>		84.096	<b>84.096</b>
WCL	0.310	40.837	<b>41.147</b>	0.209	44.606	<b>44.815</b>	0.131	45.501	<b>45.632</b>
SECL	0.126	128.149	<b>128.275</b>	0.135	135.521	<b>135.656</b>	0.110	139.893	<b>140.003</b>
SECL(GP-IV/2&3)					2.278	<b>2.278</b>		4.480	<b>4.480</b>
SECL(GP-1)								0.844	<b>0.844</b>
MCL		121.379	<b>121.379</b>		137.901	<b>137.901</b>		139.208	<b>139.208</b>
NEC		0.779	<b>0.779</b>		0.487	<b>0.487</b>		0.600	<b>0.600</b>
<b>CIL</b>	<b>50.566</b>	<b>443.668</b>	<b>494.234</b>	<b>53.701</b>	<b>485.053</b>	<b>538.754</b>	<b>54.653</b>	<b>504.811</b>	<b>559.464</b>
SCCL		52.536	<b>52.536</b>		60.380	<b>60.380</b>		59.532	<b>59.532</b>
JKML		0.013	<b>0.013</b>		0.013	<b>0.013</b>		0.010	<b>0.010</b>
DVC		0.066	<b>0.066</b>	0.403		<b>0.403</b>	0.152		<b>0.152</b>
IISCO	0.420	0.206	<b>0.626</b>	0.558	0.169	<b>0.727</b>	0.540	0.226	<b>0.766</b>
SAIL	0.024	0.001	<b>0.025</b>			<b>0.000</b>			<b>0.000</b>
JSMDCL		0.415	<b>0.415</b>		0.190	<b>0.190</b>		0.297	<b>0.297</b>
RRVUNL		3.443	<b>3.443</b>		6.210	<b>6.210</b>		8.267	<b>8.267</b>
NTPC								0.228	<b>0.228</b>
APMDTCL		0.000	<b>0.000</b>						
DVC EMTA		1.001	<b>1.001</b>						
WBPDCCL		6.221	<b>6.221</b>						
WBMDCCL		1.041	<b>1.041</b>						
PSEB/PANEM		3.433	<b>3.433</b>						
KECML		2.478	<b>2.478</b>						
MPSMCL		1.500	<b>1.500</b>						
<b>Total Public</b>	<b>51.010</b>	<b>516.022</b>	<b>567.032</b>	<b>54.662</b>	<b>552.015</b>	<b>606.677</b>	<b>55.345</b>	<b>573.371</b>	<b>628.716</b>
TISCO	6.027	0.016	<b>6.043</b>	6.225	0.003	<b>6.228</b>	6.316		<b>6.316</b>
Meghalaya		2.524	<b>2.524</b>		3.712	<b>3.712</b>		3.712	<b>3.712</b>
BALCO					0.120	<b>0.120</b>		0.180	<b>0.180</b>
CESC					1.877	<b>1.877</b>		1.742	<b>1.742</b>
GMR					0.560	<b>0.560</b>		0.151	<b>0.151</b>
HIL		2.248	<b>2.248</b>		0.069	<b>0.069</b>		2.000	<b>2.000</b>
JPVL					2.800	<b>2.800</b>		2.800	<b>2.800</b>
SIL		0.196	<b>0.196</b>		0.165	<b>0.165</b>		0.153	<b>0.153</b>
SPL		9.406	<b>9.406</b>		17.022	<b>17.022</b>		16.997	<b>16.997</b>
RCCPL								0.025	<b>0.025</b>
ICML		3.449	<b>3.449</b>						
JSPL		5.989	<b>5.989</b>						
MIEL		1.000	<b>1.000</b>						
BLA		0.300	<b>0.300</b>						
PIL		1.000	<b>1.000</b>						
JNL		0.703	<b>0.703</b>						
JPL		6.248	<b>6.248</b>						
ESCL	0.409	0.024	<b>0.433</b>						
UML		0.790	<b>0.790</b>						
SEML		1.189	<b>1.189</b>						
BSIL		0.031	<b>0.031</b>						
TUML/SVSL		0.198	<b>0.198</b>						
SOVA		0.400	<b>0.400</b>						
GVK		0.000	<b>0.000</b>						
<b>Total Private</b>	<b>6.436</b>	<b>35.711</b>	<b>42.147</b>	<b>6.225</b>	<b>26.328</b>	<b>32.553</b>	<b>6.316</b>	<b>27.760</b>	<b>34.076</b>
<b>ALL INDIA</b>	<b>57.446</b>	<b>551.733</b>	<b>609.179</b>	<b>60.887</b>	<b>578.343</b>	<b>639.230</b>	<b>61.661</b>	<b>601.131</b>	<b>662.792</b>
<b>LIGNITE</b>									
NLC			<b>26.543</b>			<b>25.451</b>			<b>27.617</b>
GMDCL			<b>8.713</b>			<b>6.968</b>			<b>7.652</b>
GIPCL			<b>3.404</b>			<b>3.063</b>			<b>2.816</b>
RSMML			<b>1.405</b>			<b>0.972</b>			<b>0.549</b>
GHCL			<b>0.200</b>			<b>0.092</b>			<b>0.078</b>
VSLPPL			<b>1.005</b>			<b>0.617</b>			<b>0.508</b>
BLMCL			<b>7.000</b>			<b>6.679</b>			<b>6.010</b>
<b>ALL INDIA</b>			<b>48.270</b>			<b>43.842</b>			<b>45.230</b>
<b>COAL &amp; LIGNITE</b>			<b>657.449</b>			<b>683.072</b>			<b>708.022</b>

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

[ Quantity in Million Tonnes ]

STATES	COAL COMPANY	2014-2015			2015-2016			2016-2017		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Assam</b>	<b>NEC</b>		0.779	<b>0.779</b>		0.487	<b>0.487</b>		0.600	<b>0.600</b>
Chhattisgarh	SECL	0.126	115.066	<b>115.192</b>	0.135	121.793	<b>121.928</b>	0.110	127.968	<b>128.078</b>
Chhattisgarh	SECL(GP-IV/2&3)					2.278	<b>2.278</b>		4.480	<b>4.480</b>
Chhattisgarh	SECL(GP-1)								0.844	<b>0.844</b>
Chhattisgarh	HIL					0.069	<b>0.069</b>		2.000	<b>2.000</b>
Chhattisgarh	BALCO					0.120	<b>0.120</b>		0.180	<b>0.180</b>
Chhattisgarh	RRVUNL		3.443	<b>3.443</b>		6.210	<b>6.210</b>		8.267	<b>8.267</b>
Chhattisgarh	JSPL		5.989	<b>5.989</b>						
Chhattisgarh	MIEL		1.000	<b>1.000</b>						
Chhattisgarh	PIL		1.000	<b>1.000</b>						
Chhattisgarh	JPL		6.248	<b>6.248</b>						
Chhattisgarh	JNL		0.703	<b>0.703</b>						
Chhattisgarh	SEML		1.189	<b>1.189</b>						
<b>Chhattisgarh</b>	<b>TOTAL</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>0.110</b>	<b>143.739</b>	<b>143.849</b>
<b>Jammu &amp; Kashmir</b>	<b>JKML</b>		0.013	<b>0.013</b>		0.013	<b>0.013</b>		0.010	<b>0.010</b>
Jharkhand	ECL	0.030	19.372	<b>19.402</b>	0.012	19.035	<b>19.047</b>	0.031	16.903	<b>16.934</b>
Jharkhand	BCCL	30.194	3.270	<b>33.464</b>	30.653	2.650	<b>33.303</b>	30.577	4.318	<b>34.895</b>
Jharkhand	CCL	19.326	36.326	<b>55.652</b>	20.697	40.627	<b>61.324</b>	21.988	45.059	<b>67.047</b>
Jharkhand	JSMDCL		0.415	<b>0.415</b>		0.190	<b>0.190</b>		0.297	<b>0.297</b>
Jharkhand	DVC		0.066	<b>0.066</b>	0.403		<b>0.403</b>	0.152		<b>0.152</b>
Jharkhand	IISCOJ	0.420		<b>0.420</b>	0.558	0.014	<b>0.572</b>	0.540	0.026	<b>0.566</b>
Jharkhand	TISCO	6.027	0.016	<b>6.043</b>	6.225	0.003	<b>6.228</b>	6.316		<b>6.316</b>
Jharkhand	NTPC								0.228	<b>0.228</b>
Jharkhand	PSEB/PANEM		3.433	<b>3.433</b>						
Jharkhand	UML		0.790	<b>0.790</b>						
Jharkhand	ESCL	0.409	0.024	<b>0.433</b>						
Jharkhand	SAIL	0.024	0.001	<b>0.025</b>						
Jharkhand	WBPDC		4.000	<b>4.000</b>						
Jharkhand	GVK		0	<b>0</b>						
<b>Jharkhand</b>	<b>TOTAL</b>	<b>56.430</b>	<b>67.713</b>	<b>124.143</b>	<b>58.548</b>	<b>62.519</b>	<b>121.067</b>	<b>59.604</b>	<b>66.831</b>	<b>126.435</b>
Madhya Pradesh	NCL		57.527	<b>57.527</b>		67.535	<b>67.535</b>		68.040	<b>68.040</b>
Madhya Pradesh	WCL	0.310	5.483	<b>5.793</b>	0.209	6.420	<b>6.629</b>	0.131	5.095	<b>5.226</b>
Madhya Pradesh	SECL		13.083	<b>13.083</b>		13.728	<b>13.728</b>		11.925	<b>11.925</b>
Madhya Pradesh	SPL		9.406	<b>9.406</b>		17.022	<b>17.022</b>		16.997	<b>16.997</b>
Madhya Pradesh	JPVL					2.800	<b>2.800</b>		2.800	<b>2.800</b>
Madhya Pradesh	RCCPL								0.025	<b>0.025</b>
Madhya Pradesh	BLA		0.300	<b>0.300</b>						
Madhya Pradesh	MPSMCL		1.500	<b>1.500</b>						
<b>Madhya Pradesh</b>	<b>TOTAL</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>	<b>0.131</b>	<b>104.882</b>	<b>105.013</b>
Maharashtra	WCL		35.354	<b>35.354</b>		38.186	<b>38.186</b>		40.406	<b>40.406</b>
Maharashtra	SIL		0.196	<b>0.196</b>		0.165	<b>0.165</b>		0.153	<b>0.153</b>
Maharashtra	BSIL		0.031	<b>0.031</b>						
Maharashtra	KECML		2.478	<b>2.478</b>						
Maharashtra	TUML/SVSL		0.198	<b>0.198</b>						
<b>Maharashtra</b>	<b>TOTAL</b>	<b>0</b>	<b>38.257</b>	<b>38.257</b>	<b>0</b>	<b>38.351</b>	<b>38.351</b>	<b>0</b>	<b>40.559</b>	<b>40.559</b>
<b>Meghalaya</b>	<b>MEG</b>		2.524	<b>2.524</b>		3.712	<b>3.712</b>		3.712	<b>3.712</b>
Odisha	MCL		121.379	<b>121.379</b>		137.901	<b>137.901</b>		139.208	<b>139.208</b>
Odisha	HIL		2.248	<b>2.248</b>						
Odisha	GMR					0.560	<b>0.560</b>		0.151	<b>0.151</b>
<b>Odisha</b>	<b>TOTAL</b>		<b>123.627</b>	<b>123.627</b>		<b>138.461</b>	<b>138.461</b>		<b>139.359</b>	<b>139.359</b>
<b>Telangana</b>	<b>SCCL</b>		52.536	<b>52.536</b>		60.380	<b>60.380</b>		59.532	<b>59.532</b>
<b>Uttar Pradesh</b>	<b>NCL</b>		14.957	<b>14.957</b>		12.689	<b>12.689</b>		16.056	<b>16.056</b>
West Bengal	ECL	0.004	20.600	<b>20.604</b>		21.161	<b>21.161</b>		23.583	<b>23.583</b>
West Bengal	BCCL	0.576	0.472	<b>1.048</b>	1.995	0.563	<b>2.558</b>	1.816	0.326	<b>2.142</b>
West Bengal	IISCOR		0.206	<b>0.206</b>		0.155	<b>0.155</b>		0.200	<b>0.200</b>
West Bengal	CESC					1.877	<b>1.877</b>		1.742	<b>1.742</b>
West Bengal	ICML		3.449	<b>3.449</b>						
West Bengal	WBPDC		2.221	<b>2.221</b>						
West Bengal	DVC EMTA		1.001	<b>1.001</b>						
West Bengal	WBMDTCL		1.041	<b>1.041</b>						
West Bengal	SOVA		0.400	<b>0.400</b>						
<b>West Bengal</b>	<b>TOTAL</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>1.816</b>	<b>25.851</b>	<b>27.667</b>
<b>Total Public</b>		<b>51.010</b>	<b>516.022</b>	<b>567.032</b>	<b>54.662</b>	<b>552.015</b>	<b>606.677</b>	<b>55.345</b>	<b>573.371</b>	<b>628.716</b>
<b>Total Private</b>	<b>TOTAL</b>	<b>6.436</b>	<b>35.711</b>	<b>42.147</b>	<b>6.225</b>	<b>26.328</b>	<b>32.553</b>	<b>6.316</b>	<b>27.760</b>	<b>34.076</b>
<b>All India</b>		<b>57.446</b>	<b>551.733</b>	<b>609.179</b>	<b>60.887</b>	<b>578.343</b>	<b>639.230</b>	<b>61.661</b>	<b>601.131</b>	<b>662.792</b>

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

(Quantity in Million Tonnes)

Block	Company	State	2015-16			2016-17		
			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	Chhattisgarh		2.278	<b>2.278</b>		4.480	<b>4.480</b>
Gare Palma 1	SECL	Chhattisgarh				0.844	<b>0.844</b>	
Parsa East & Kanta Basan	RRUVNL	Chhattisgarh		6.210	<b>6.210</b>		8.267	<b>8.267</b>
Pakri Burwadin	NTPC	Jharkhand				0.228	<b>0.228</b>	
<b>Total Public</b>			<b>0.000</b>	<b>8.488</b>	<b>8.488</b>	<b>0.000</b>	<b>13.819</b>	<b>13.819</b>
Gare Palma IV/4	HIL	Chhattisgarh		0.069	<b>0.069</b>		1.000	<b>1.000</b>
Gare Palma IV/5	HIL	Chhattisgarh					1.000	<b>1.000</b>
Amelia North	JPVL	Madhya Pradesh		2.800	<b>2.800</b>		2.800	<b>2.800</b>
Belgaon	SIL	Maharashtra		0.165	<b>0.165</b>		0.153	<b>0.153</b>
Chotia	BALCO	Chhattisgarh		0.120	<b>0.120</b>		0.180	<b>0.180</b>
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		17.022	<b>17.022</b>		16.997	<b>16.997</b>
Sarshatali	CESC	West Bengal		1.877	<b>1.877</b>		1.742	<b>1.742</b>
Talabira I	GMR	Odisha		0.560	<b>0.560</b>		0.151	<b>0.151</b>
Sial Ghogri	RCCPL	Madhya Pradesh					0.025	<b>0.025</b>
<b>Total Private</b>			<b>0.000</b>	<b>22.613</b>	<b>22.613</b>	<b>0.000</b>	<b>24.048</b>	<b>24.048</b>
<b>Grand Total</b>			<b>0.000</b>	<b>31.101</b>	<b>31.101</b>	<b>0.000</b>	<b>37.867</b>	<b>37.867</b>



**TABLE 2.13: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2016-17**

( Quantity in Million Tonnes )

Companies	PRODUCTION OF COKING COAL										
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	SLV	Met.Coal	Non Met	Total Coking
ECL						0.031			0.000	0.031	<b>0.031</b>
BCCL	0.023	1.004	0.000	0.148	1.705	7.942	21.571		3.311	29.082	<b>32.393</b>
CCL				0.166	1.470	1.692	18.660		4.372	17.616	<b>21.988</b>
NCL										0.000	<b>0.000</b>
WCL					0.131				0.131	0.000	<b>0.131</b>
SECL			0.110							0.110	<b>0.110</b>
SECL(GP-IV/2&3)											<b>0.000</b>
SECL(GP-1)											<b>0.000</b>
MCL										0.000	<b>0.000</b>
NEC										0.000	<b>0.000</b>
<b>CIL</b>	<b>0.023</b>	<b>1.004</b>	<b>0.110</b>	<b>0.314</b>	<b>3.306</b>	<b>9.665</b>	<b>40.231</b>	<b>0.000</b>	<b>7.814</b>	<b>46.839</b>	<b>54.653</b>
SCCL											<b>0.000</b>
JKML											<b>0.000</b>
JSMDC											<b>0.000</b>
DVC							0.152		0.000	0.152	<b>0.152</b>
IISCO						0.085	0.455		0.540	0.000	<b>0.540</b>
SAIL											<b>0.000</b>
RRVUNL											<b>0.000</b>
NTPC											<b>0.000</b>
<b>Total Public</b>	<b>0.023</b>	<b>1.004</b>	<b>0.110</b>	<b>0.314</b>	<b>3.306</b>	<b>9.750</b>	<b>40.838</b>	<b>0.000</b>	<b>8.354</b>	<b>46.991</b>	<b>55.345</b>
TISCO					0.116	1.334	4.866		6.315	0.001	<b>6.316</b>
Meghalaya											<b>0.000</b>
BALCO											<b>0.000</b>
CESC											<b>0.000</b>
GMR											<b>0.000</b>
HIL											<b>0.000</b>
JPVL											<b>0.000</b>
RCCPL											<b>0.000</b>
SIL											<b>0.000</b>
SPL											<b>0.000</b>
<b>Total Private</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.116</b>	<b>1.334</b>	<b>4.866</b>	<b>0.000</b>	<b>6.315</b>	<b>0.001</b>	<b>6.316</b>
<b>ALL INDIA</b>	<b>0.023</b>	<b>1.004</b>	<b>0.110</b>	<b>0.314</b>	<b>3.422</b>	<b>11.084</b>	<b>45.704</b>	<b>0.000</b>	<b>14.669</b>	<b>46.992</b>	<b>61.661</b>

**TABLE 2.14: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2016-17**

(Quantity in Million Tonnes)

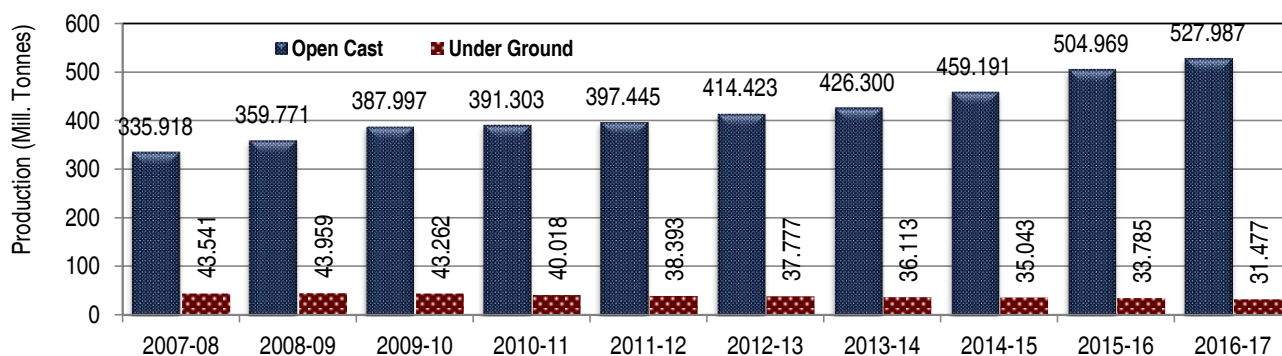
Companies	PRODUCTION OF NON-COKING COAL																			Total N-coking	Total Coal
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	UNG			
ECL	0.000	1.376	13.689	6.320	1.742	2.300	0.677						14.382							40.486	40.517
BCCL			1.139	0.089	0.028	1.494	0.738	0.055	1.084	0.000	0.017	0.000	0	0	0	0	0	0	0	4.644	37.037
CCL			0.000	0.301	1.295	0.425	0.893	1.262	9.278	16.168	9.509	5.928								45.059	67.047
NCL					0.071	0.099	18.408	9.904	1.237	52.331		2.046								84.096	84.096
WCL				0.016	0.226	1.055	2.268	11.585	18.032	9.727	2.592									45.501	45.632
SECL			2.764	2.939	4.260	9.229	5.084	1.315	0.845	1.723	96.277	4.177	3.505	3.708	0.326	3.658	0.083			139.893	140.003
SECL(GP-IV/2&3)												0.095	1.121	3.264						4.480	4.480
SECL(GP-1)												0.435		0.326	0.083					0.844	0.844
MCL							0.174	0.000	0.383	0.467	0.000	77.081	61.103							139.208	139.208
NEC	0.110	0.309		0.181																0.600	0.600
<b>CIL</b>	<b>0.110</b>	<b>0.309</b>	<b>5.279</b>	<b>17.215</b>	<b>12.200</b>	<b>14.044</b>	<b>29.865</b>	<b>24.798</b>	<b>30.859</b>	<b>80.416</b>	<b>108.395</b>	<b>89.762</b>	<b>78.990</b>	<b>4.829</b>	<b>0.652</b>	<b>6.922</b>	<b>0.166</b>	<b>0.000</b>		<b>504.811</b>	<b>559.464</b>
SCCL					0.912		6.096	3.943	6.502	10.632	11.358	1.814	11.360	2.548	2.888	0.847	0.365	0.267		59.532	59.532
JKML	0.010																			0.010	0.010
JSMDCL												0.297								0.297	0.297
DVC																				0.000	0.152
IISCO			0.104		0.096													0.026		0.226	0.766
SAIL																				0.000	0.000
RRVUNL											8.267									8.267	8.267
NTPC								0.228												0.228	0.228
<b>Total Public</b>	<b>0.120</b>	<b>0.309</b>	<b>5.279</b>	<b>17.319</b>	<b>13.112</b>	<b>14.140</b>	<b>35.961</b>	<b>28.741</b>	<b>37.589</b>	<b>91.048</b>	<b>128.020</b>	<b>91.873</b>	<b>90.350</b>	<b>7.377</b>	<b>3.540</b>	<b>7.769</b>	<b>0.531</b>	<b>0.293</b>		<b>573.371</b>	<b>628.716</b>
TISCO																				0.000	6.316
Meghalaya	3.712																			3.712	3.712
BALCO								0.180												0.180	0.180
CESC											1.742									1.742	1.742
GMR													0.088	0.063						0.151	0.151
HIL								0.556		0.135	0.465	0.444	0.400							2.000	2.000
JPVL											2.800									2.800	2.800
RCCPL																			0.025	0.025	0.025
SIL								0.153												0.153	0.153
SPL										6.891	10.106									16.997	16.997
<b>Total Private</b>	<b>3.712</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>0.709</b>	<b>0.180</b>	<b>7.026</b>	<b>15.113</b>	<b>0.444</b>	<b>0.488</b>	<b>0.063</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.025</b>		<b>27.760</b>	<b>34.076</b>
<b>ALL INDIA</b>	<b>3.832</b>	<b>0.309</b>	<b>5.279</b>	<b>17.319</b>	<b>13.112</b>	<b>14.140</b>	<b>35.961</b>	<b>29.450</b>	<b>37.769</b>	<b>98.074</b>	<b>143.133</b>	<b>92.317</b>	<b>90.838</b>	<b>7.440</b>	<b>3.540</b>	<b>7.769</b>	<b>0.531</b>	<b>0.318</b>		<b>601.131</b>	<b>662.792</b>

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

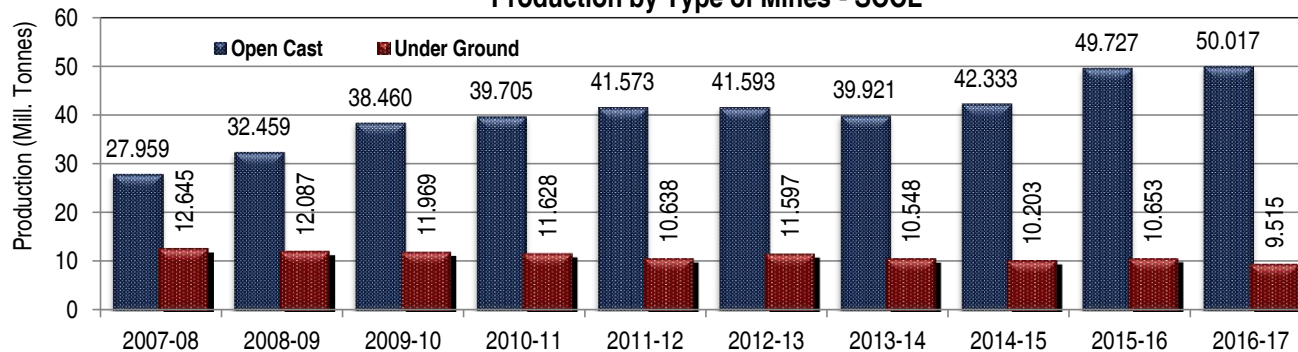
( Quantity in Million Tonnes )

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)
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	504.969	49.727	592.822	92.74	5.12	33.785	10.653	46.408	7.26	-4.24	639.230	4.38
2016-17	527.987	50.017	618.445	93.31	4.32	31.477	9.515	44.347	6.69	-4.44	662.792	3.69

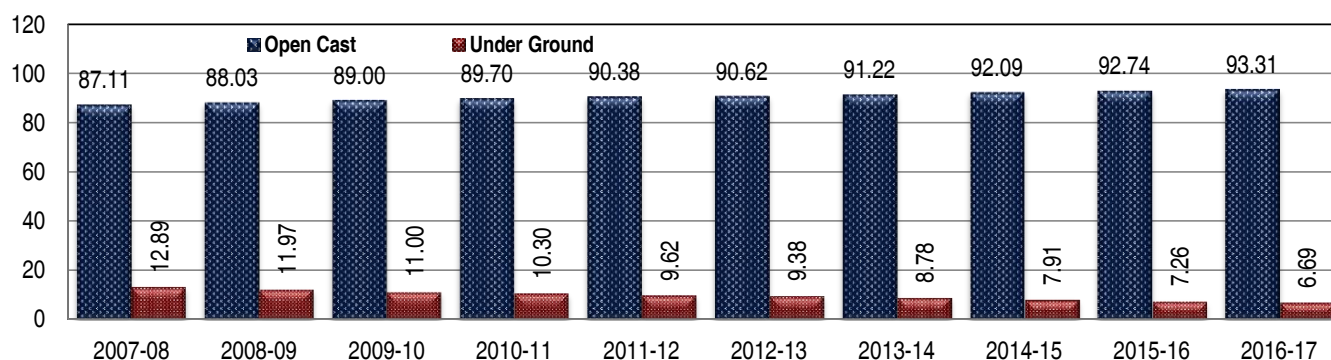
**Production by Type of Mines - CIL**



**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	2015 - 2016						2016 - 2017					
	OPENCAST			UNDER GROUND			OPENCAST			UNDER GROUND		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
ECL	32.879	5.55	0.50	7.329	15.79	0.51	32.390	5.24	-1.49	8.127	18.33	10.89
BCCL	34.055	5.74	4.84	1.806	3.89	-10.99	35.358	5.72	3.83	1.679	3.79	-7.03
CCL	60.476	10.20	10.34	0.848	1.83	0.83	66.310	10.72	9.65	0.737	1.66	-13.09
NCL	80.224	13.53	10.68				84.096	13.60	4.83			
WCL	37.635	6.35	12.07	7.180	15.47	-5.10	40.264	6.51	6.99	5.368	12.10	-25.24
SECL	120.149	20.27	7.05	15.507	33.41	-3.30	125.455	20.29	4.42	14.548	32.80	-6.18
SECL (GP-IV/2&3)	2.278	0.38	0.00				4.480	0.72	0.00			
SECL(GP-1)							0.844	0.14	1.00			
MCL	136.789	23.07	13.89	1.112	2.40	-12.85	138.193	22.35	1.03	1.015	2.29	-8.72
NEC	0.484	0.08	-37.63	0.003	0.01	0.00	0.597	0.10	23.35	0.003	0.01	0.00
<b>CIL</b>	<b>504.969</b>	<b>85.18</b>	<b>9.97</b>	<b>33.785</b>	<b>72.80</b>	<b>-3.59</b>	<b>527.987</b>	<b>85.37</b>	<b>4.56</b>	<b>31.477</b>	<b>67.83</b>	<b>-6.83</b>
SCCL	49.727	8.39	17.47	10.653	22.96	4.41	50.017	8.09	0.58	9.515	21.46	-10.68
JKML				0.013	0.03	0.00				0.010	0.02	-23.08
DVC	0.403	0.07	510.61				0.152	0.02	-62.28			
IISCO	0.459	0.08	27.50	0.268	0.58	0.75	0.506	0.08	10.24	0.260	0.59	-2.99
JSMDC	0.190	0.03	-54.22				0.297	0.05	56.32			
RRVUNL	6.210	1.05	80.37				8.267	1.34	33.12			
NTPC							0.228	0.04				
SAIL												
<b>PUBLIC</b>	<b>561.958</b>	<b>94.79</b>	<b>7.75</b>	<b>44.719</b>	<b>96.36</b>	<b>-1.77</b>	<b>587.454</b>	<b>94.99</b>	<b>4.54</b>	<b>41.262</b>	<b>93.04</b>	<b>-7.73</b>
TISCO	4.772	0.80	1.21	1.456	3.14	9.64	5.009	0.81	4.97	1.307	2.95	-10.23
Meghalaya	3.712	0.63	47.07				3.712	0.60	0.00			
BALCO	0.120	0.02	0.00				0.180	0.03	0.00			
CESC	1.877	0.32	0.00				1.742	0.28	0.00			
GMR	0.560	0.09	0.00				0.151	0.02	0.00			
HIL	0.001	0.00	-99.96	0.068	0.15	0.00	0.400	0.06	39900.00	1.600	3.61	2252.94
JPVL	2.800	0.47	0.00				2.800	0.45	0.00			
SIL				0.165	0.36	-15.82				0.153	0.35	-7.27
SPL	17.022	2.87	80.97				16.997	2.75	-0.15			
RCCPL										0.025	0.06	
<b>PRIVATE</b>	<b>30.864</b>	<b>5.21</b>	<b>-23.51</b>	<b>1.689</b>	<b>3.64</b>	<b>-43.45</b>	<b>30.991</b>	<b>5.01</b>	<b>0.41</b>	<b>3.085</b>	<b>6.96</b>	<b>82.65</b>
<b>All India</b>	<b>592.822</b>	<b>100.00</b>	<b>5.51</b>	<b>46.408</b>	<b>100.00</b>	<b>-4.34</b>	<b>618.445</b>	<b>100.00</b>	<b>4.32</b>	<b>44.347</b>	<b>100.00</b>	<b>-4.44</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**

( In Tonnes )

Year	OMS ( OPEN CAST )		OMS ( UNDER GROUND )		OMS ( OVERALL )	
	CIL	SCCL	CIL	SCCL	CIL	SCCL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
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	15.35	13.78	0.80	1.25	7.15	4.20
2016-17	16.57	13.85	0.8	1.17	7.86	4.20

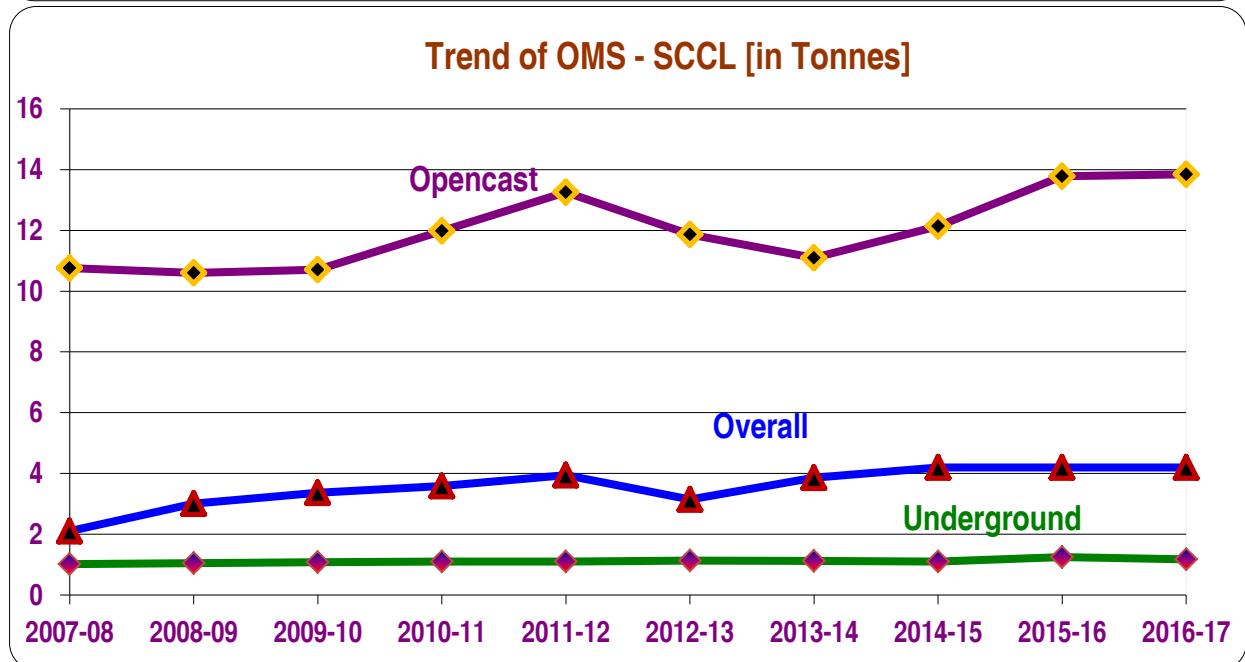
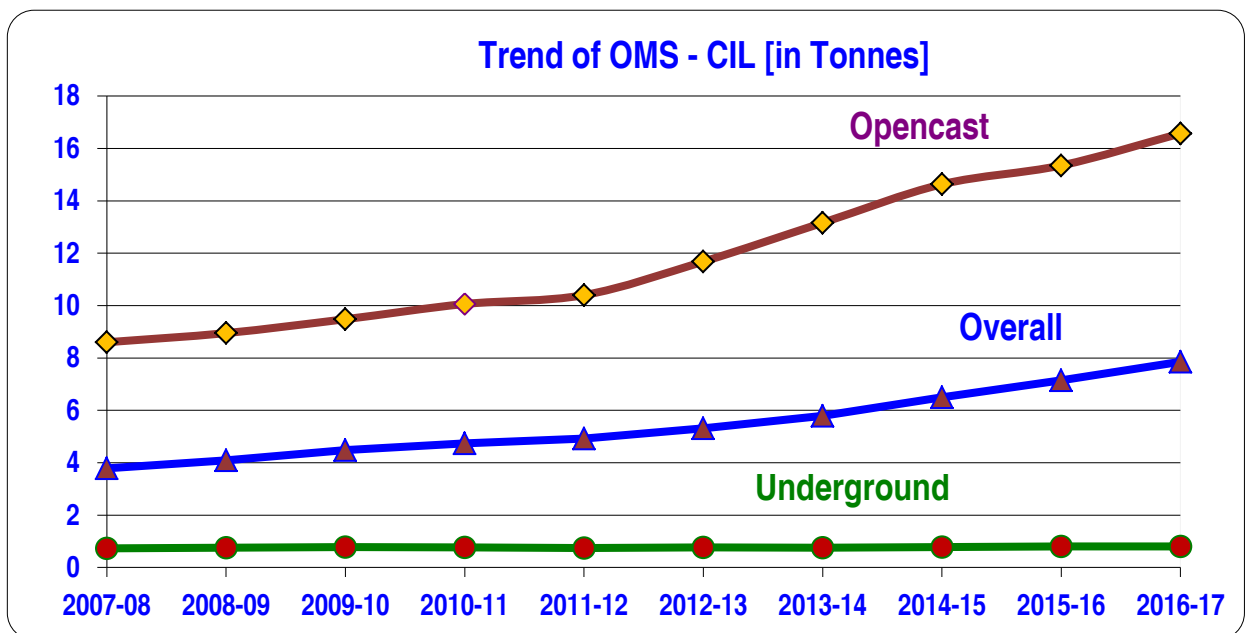


TABLE 2.18 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2014-2015			2015-2016			2016-2017		
		Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)	Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)	Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ECL	OC	32.714	2.699	12.12	32.879	2.648	12.42	32.390	2.510	12.91
BCCL	OC	32.483	3.533	9.19	34.055	3.379	10.48	35.358	4.097	8.60
CCL	OC	54.811	6.807	7.56	60.476	6.786	8.91	66.310	6.761	9.81
NCL	OC	72.484	5.268	13.70	80.224	4.276	21.24	84.096	4.121	20.18
WCL	OC	33.581	4.677	5.72	37.635	4.790	5.41	40.264	4.792	5.60
SECL	OC	112.239	4.698	23.89	120.149	5.118	23.48	125.455	4.017	31.23
SECL(GP-IV/2&3)	OC				2.278	0.090	25.31	4.480	0.024	186.48
SECL(GP-1)	OC							0.844	0.010	80.86
MCL	OC	120.103	3.555	22.11	136.789	5.642	24.00	138.193	5.374	25.72
NEC	OC	0.776	0.152	5.10	0.484	0.173	2.80	0.597	0.163	0.02
<b>CIL</b>	<b>OC</b>	<b>459.191</b>	<b>31.389</b>	<b>14.63</b>	<b>504.969</b>	<b>32.902</b>	<b>15.35</b>	<b>527.987</b>	<b>31.869</b>	<b>16.57</b>
<b>SCCL</b>	<b>OC</b>	<b>42.333</b>	<b>2.700</b>	<b>12.14</b>	<b>49.727</b>	<b>2.758</b>	<b>13.78</b>	<b>50.017</b>	<b>2.866</b>	<b>13.85</b>
ECL	UG	7.292	13.657	0.53	7.329	13.056	0.56	8.127	12.655	0.64
BCCL	UG	2.029	7.894	0.26	1.806	7.408	0.24	1.679	6.289	0.30
CCL	UG	0.841	2.940	0.29	0.848	2.640	0.32	0.737	2.507	0.29
NCL	UG									
WCL	UG	7.566	6.723	1.13	7.180	6.455	1.11	5.368	5.804	0.92
SECL	UG	16.036	11.559	1.39	15.507	11.090	1.40	14.548	10.352	1.41
SECL(GP-IV/2&3)	UG									
SECL(GP-1)	UG									
MCL	UG	1.276	1.694	0.77	1.112	1.662	1.00	1.015	1.560	0.65
NEC	UG	0.003	0.235	0.01	0.003	0.178	0.01	0.003	0.150	3.67
<b>CIL</b>	<b>UG</b>	<b>35.043</b>	<b>44.702</b>	<b>0.78</b>	<b>33.785</b>	<b>42.489</b>	<b>0.80</b>	<b>31.477</b>	<b>39.317</b>	<b>0.80</b>
<b>SCCL</b>	<b>UG</b>	<b>10.203</b>	<b>8.371</b>	<b>1.10</b>	<b>10.653</b>	<b>8.477</b>	<b>1.25</b>	<b>9.515</b>	<b>8.165</b>	<b>1.17</b>
ECL	ALL	40.006	16.356	2.45	40.208	15.704	2.56	40.517	15.165	2.67
BCCL	ALL	34.512	11.427	3.02	35.861	10.787	3.32	37.037	10.386	3.02
CCL	ALL	55.652	9.747	5.46	61.324	9.426	6.51	67.047	9.268	7.23
NCL	ALL	72.484	5.268	13.70	80.224	4.276	18.76	84.096	4.121	20.18
WCL	ALL	41.147	11.400	3.26	44.815	11.245	3.99	45.632	10.596	3.50
SECL	ALL	128.275	16.257	7.89	135.656	16.208	8.37	140.003	14.369	9.74
SECL(GP-IV/2&3)	ALL				2.278	0.090	25.31	4.480	0.024	186.48
SECL(GP-1)	ALL							0.844	0.010	80.86
MCL	ALL	121.379	5.249	17.10	137.901	7.304	18.88	139.208	6.934	20.08
NEC	ALL	0.779	0.387	2.01	0.487	0.351	1.39	0.600	0.313	1.92
<b>CIL</b>	<b>ALL</b>	<b>494.234</b>	<b>76.091</b>	<b>6.50</b>	<b>538.754</b>	<b>75.391</b>	<b>7.15</b>	<b>559.464</b>	<b>71.186</b>	<b>7.86</b>
<b>SCCL</b>	<b>ALL</b>	<b>52.536</b>	<b>11.071</b>	<b>4.20</b>	<b>60.380</b>	<b>11.235</b>	<b>4.20</b>	<b>59.532</b>	<b>11.031</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 2014 - 2015			YEAR 2015 - 2016			YEAR 2016 - 2017		
	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	94.047	32.714	2.87	119.219	32.879	3.63	124.637	32.390	3.85
BCCL	103.901	32.483	3.20	148.591	34.055	4.36	131.215	35.358	3.71
CCL	96.351	54.811	1.76	103.571	60.476	1.71	102.630	66.310	1.55
NCL	210.614	72.484	2.91	338.090	80.224	4.21	324.136	84.096	3.85
WCL	122.914	33.581	3.66	155.145	37.635	4.12	166.142	40.264	4.13
SECL	158.268	112.239	1.41	174.824	120.149	1.46	178.791	125.455	1.43
SECL(GP-IV/2&3)				0.543	2.278	0.24	3.039	4.480	0.68
SECL(GP-1)							1.164	0.844	1.38
MCL	89.221	120.103	0.74	98.410	136.789	0.72	123.342	138.193	0.89
NEC	10.180	0.776	13.12	0.007	0.484	0.01	0.006	0.597	0.01
<b>CIL</b>	<b>885.496</b>	<b>459.191</b>	<b>1.93</b>	<b>1138.400</b>	<b>504.969</b>	<b>2.25</b>	<b>1155.102</b>	<b>527.987</b>	<b>2.19</b>
SCCL	262.820	42.333	6.21	310.763	49.727	6.25	312.591	50.017	6.25
JKML									
DVC	0.131	0.066	1.98	0.328	0.403	0.81	0.202	0.152	1.33
IISCO	1.162	0.360	3.23	2.626	0.459	5.72	1.228	0.506	7.05
SAIL	0.029	0.025	1.16						
JSMDCL	1.161	0.415	2.80	0.420	0.190	2.21	0.517	0.297	1.74
RRVUNL	3.836	3.443	1.11	11.966	6.210	1.93	16.189	8.267	1.96
NTPC								0.228	
DVC EMTA	6.342	1.001	6.34						
APMDTCL									
WBMDTCL	2.879	1.041	2.77						
WBPDCL	14.312	6.221	2.30						
PSEB-PANEM	5.798	3.433	1.69						
KECML	6.631	2.478	2.68						
MPSMCL	9.050	1.500	6.03						
<b>PUBLIC</b>	<b>1199.647</b>	<b>521.507</b>	<b>2.30</b>	<b>1464.503</b>	<b>561.958</b>	<b>2.61</b>	<b>1485.829</b>	<b>587.454</b>	<b>2.53</b>
TISCO	20.142	4.715	4.27	18.161	4.772	3.81	20.043	5.009	4.00
Meghalaya		2.524			3.712			3.712	
HIL	2.393	2.248	1.06		0.001	0.00	2.313	0.400	5.78
SPL	30.505	9.406	3.24	65.692	17.022	3.86	78.087	16.997	4.59
CESC				6.540	1.877		4.639	1.742	
GMR				0.993	0.560		0.229	0.151	
BALCO				1.813	0.120		0.975	0.180	
JPVL				13.290	2.800		18.108	2.800	
ICML	8.854	3.449	2.57						
JSPL	9.241	5.989	1.54						
MIEL									
BLA	0.882	0.300	2.94						
PIL	5.200	1.000	5.20						
JNL	2.062	0.342	6.03						
JPL	9.275	6.248	1.48						
SIL									
ESCL	2.192	0.331	6.62						
UML	5.127	0.790	6.49						
SEML	3.004	1.189	2.53						
BSIL	0.145	0.031	4.68						
TUML-SVSL	0.613	0.198	3.10						
SOVA	0.946	0.400	2.37						
<b>PRIVATE</b>	<b>100.581</b>	<b>39.160</b>	<b>2.75</b>	<b>106.489</b>	<b>30.864</b>	<b>3.92</b>	<b>124.394</b>	<b>30.991</b>	<b>4.56</b>
<b>INDIA</b>	<b>1300.228</b>	<b>560.667</b>	<b>2.33</b>	<b>1570.992</b>	<b>592.822</b>	<b>2.67</b>	<b>1610.223</b>	<b>618.445</b>	<b>2.62</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)
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	632.442	4.75	42.211	-10.10	<b>674.653</b>	<b>3.68</b>
2016-17	650.319	2.83	43.155	2.24	<b>693.474</b>	<b>2.79</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)
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	13.866	4.54	59.213	4.92	573.229	4.73	<b>632.442</b>	<b>4.75</b>
2016-17	15.132	9.13	59.545	0.56	590.774	3.06	<b>650.319</b>	<b>2.83</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)
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	6.068	-0.20	17.544	3.21	5.735	14.43	0*	-	13.673	-2.01
2016-17	6.515	7.37	15.680	-10.62	4.525	-21.10	0*	-	13.472	-1.47

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 OF COAL, LIGNITE AND COAL PRODUCTS IN 2016-17**  
(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)
<b>2016-17</b>												
Apr-16	4.473	-7.6	7.51	46.641	2.2	7.89	51.114	1.3	7.86	3.855	-6.1	8.93
May-16	4.604	-6.2	7.73	50.430	6.6	8.54	55.034	5.4	8.46	3.927	-3.1	9.10
Jun-16	4.644	2.5	7.80	49.378	9.6	8.36	54.022	8.9	8.31	3.411	-3.0	7.90
<b>1st Quarter</b>	<b>13.721</b>	<b>-3.9</b>	<b>23.04</b>	<b>146.449</b>	<b>6.1</b>	<b>24.79</b>	<b>160.170</b>	<b>5.2</b>	<b>24.63</b>	<b>11.193</b>	<b>-4.1</b>	<b>25.94</b>
Jul-16	4.745	5.0	7.97	43.852	-1.0	7.42	48.597	-0.5	7.47	3.107	-4.4	7.20
Aug-16	4.375	-6.5	7.35	39.550	-9.4	6.69	43.925	-9.2	6.75	2.857	-12.5	6.62
Sep-16	4.108	-13.1	6.90	40.661	-6.4	6.88	44.769	-7.1	6.88	3.051	-3.6	7.07
<b>2nd Quarter</b>	<b>13.228</b>	<b>-5.0</b>	<b>22.21</b>	<b>124.063</b>	<b>-5.6</b>	<b>21.00</b>	<b>137.291</b>	<b>-5.6</b>	<b>21.11</b>	<b>9.015</b>	<b>-6.9</b>	<b>20.89</b>
Oct-16	4.695	-3.1	7.88	46.930	-2.2	7.94	51.625	-2.3	7.94	3.356	3.8	7.78
Nov-16	5.238	7.4	8.80	52.669	6.3	8.92	57.907	6.4	8.90	3.484	35.0	8.07
Dec-16	5.628	9.2	9.45	55.869	8.0	9.46	61.497	8.1	9.46	3.749	16.6	8.69
<b>3rd Quarter</b>	<b>15.561</b>	<b>4.6</b>	<b>26.13</b>	<b>155.468</b>	<b>4.1</b>	<b>26.32</b>	<b>171.029</b>	<b>4.2</b>	<b>26.30</b>	<b>10.589</b>	<b>17.3</b>	<b>24.54</b>
Jan-17	6.000	15.1	10.08	54.940	4.5	9.30	60.940	5.5	9.37	4.251	6.8	9.85
Feb-17	5.195	-0.4	8.72	52.519	7.9	8.89	57.713	7.1	8.87	3.870	5.3	8.97
Mar-17	5.840	2.4	9.81	57.336	7.6	9.71	63.176	7.1	9.71	4.237	1.7	9.82
<b>4th Quarter</b>	<b>17.035</b>	<b>5.6</b>	<b>28.61</b>	<b>164.795</b>	<b>6.7</b>	<b>27.89</b>	<b>181.830</b>	<b>6.6</b>	<b>27.96</b>	<b>12.358</b>	<b>4.5</b>	<b>28.64</b>
<b>2016-17</b>	<b>59.545</b>	<b>0.6</b>	<b>100.00</b>	<b>590.774</b>	<b>3.1</b>	<b>100.00</b>	<b>650.319</b>	<b>2.8</b>	<b>100.00</b>	<b>43.155</b>	<b>2.2</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, LIGNITE AND COAL PRODUCTS IN 2016-17**  
(Quantity in Million Tonnes)

Month	Washed Coal (Ckg)			Washed Coal (Nckg)			Middlings (Ckg)			Middlings (Nckg)			Hard Coke		
	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
<b>2016-17</b>															
Apr-16	0.477	0.4	7.32	1.404	5.5	8.95	0.403	24.0	8.91	0	-	-	1.119	-4.7	8.31
May-16	0.461	-10.5	7.08	1.468	10.1	9.36	0.331	-12.0	7.31	0	-	-	1.136	-1.8	8.43
Jun-16	0.468	5.4	7.18	1.589	25.5	10.13	0.424	31.3	9.37	0	-	-	1.112	-4.8	8.25
<b>1st Quarter</b>	<b>1.406</b>	<b>-2.0</b>	<b>21.58</b>	<b>4.461</b>	<b>13.5</b>	<b>28.45</b>	<b>1.158</b>	<b>13.1</b>	<b>25.59</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>3.367</b>	<b>-3.8</b>	<b>24.99</b>
Jul-16	0.466	-11.9	7.15	1.167	-0.8	7.44	0.453	-11.7	10.01	0	-	-	1.136	-4.6	8.43
Aug-16	0.525	6.7	8.06	0.776	-37.4	4.95	0.370	-23.6	8.18	0	-	-	1.127	-0.6	8.37
Sep-16	0.508	6.1	7.80	0.844	-40.9	5.38	0.417	-27.4	9.22	0	-	-	1.074	-2.7	7.97
<b>2nd Quarter</b>	<b>1.499</b>	<b>-0.1</b>	<b>23.01</b>	<b>2.787</b>	<b>-27.5</b>	<b>17.77</b>	<b>1.240</b>	<b>-21.1</b>	<b>27.40</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>3.337</b>	<b>-2.7</b>	<b>24.77</b>
Oct-16	0.531	6.6	8.15	1.239	-11.1	7.90	0.349	-36.7	7.71	0	-	-	1.152	-1.5	8.55
Nov-16	0.573	2.7	8.80	1.423	-12.0	9.08	0.393	-14.0	8.69	0	-	-	1.100	-4.5	8.17
Dec-16	0.652	22.6	10.01	1.370	-16.8	8.74	0.346	-36.2	7.65	0	-	-	1.140	0.3	8.46
<b>3rd Quarter</b>	<b>1.756</b>	<b>10.6</b>	<b>26.95</b>	<b>4.032</b>	<b>-13.4</b>	<b>25.71</b>	<b>1.088</b>	<b>-29.8</b>	<b>24.04</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>3.392</b>	<b>-1.9</b>	<b>25.18</b>
Jan-17	0.602	7.7	9.24	1.410	-21.7	8.99	0.316	-48.5	6.98	0	-	-	1.156	7.0	8.58
Feb-17	0.594	23.0	9.12	1.365	-13.6	8.71	0.319	-29.0	7.05	0	-	-	1.048	-0.6	7.78
Mar-17	0.658	30.6	10.10	1.625	-6.1	10.36	0.404	-23.3	8.93	0	-	-	1.172	1.6	8.70
<b>4th Quarter</b>	<b>1.854</b>	<b>19.9</b>	<b>28.46</b>	<b>4.400</b>	<b>-13.9</b>	<b>28.06</b>	<b>1.039</b>	<b>-34.7</b>	<b>22.96</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>3.376</b>	<b>2.7</b>	<b>25.06</b>
<b>2016-17</b>	<b>6.515</b>	<b>7.4</b>	<b>100.00</b>	<b>15.680</b>	<b>-10.6</b>	<b>100.00</b>	<b>4.525</b>	<b>-21.1</b>	<b>100.00</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>13.472</b>	<b>-1.5</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) The above figures relates to Washeries (public & private) of only coal producing companies.

(4) Data of Hard Coke relate to steel plants only. There are Private sector, specially in small scale sector, data of which are not readily available.

**TABLE 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)
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	-	-	0.577	0.10	-6.63	124.674	21.79	2.99
2014-15	0	-	-	0.733	0.12	27.04	129.392	21.43	3.78
2015-16	0	-	-	0.342	0.05	-53.34	132.040	20.88	2.05
2016-17	0	-	-	0.777	0.12	127.19	139.386	21.43	5.56

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)
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	0.012	0.00	-7.69	118.072	18.67	-3.25	85.205	13.47	14.77
2016-17	0.011	0.00	-8.33	120.976	18.60	2.46	87.742	13.49	2.98

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)
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	3.712	0.59	32.00	140.639	22.24	12.17
2016-17	34.954	5.37	-4.09	3.712	0.57	0.00	143.287	22.03	1.88

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)
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	58.687	9.28	11.44	31.815	5.03	9.63	25.474	4.03	-12.78
2016-17	59.374	9.13	1.17	33.006	5.08	3.74	27.094	4.17	6.36

Year	All India	
	Quantity	Growth(%)
(41)	(42)	(43)
2007-08	453.567	8.04
2008-09	489.172	7.85
2009-10	513.792	5.03
2010-11	523.465	1.88
2011-12	535.299	2.26
2012-13	567.136	5.95
2013-14	572.060	0.87
2014-15	603.772	5.54
2015-16	632.442	4.75
2016-17	650.319	2.83

**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)
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	10.135	24.01	-18.01
2016-17	24.165	56.00	7.43	10.545	24.44	4.05

Year	State: Rajasthan			ALL INDIA	
	Quantity	Share (%)	Growth (%)	Quantity	Growth (%)
(8)	(9)	(10)	(11)	(12)	(13)
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>42.211</b>	<b>-10.10</b>
2016-17	8.445	19.57	-11.88	<b>43.155</b>	<b>2.24</b>

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

(Quantity in Million Tonnes)

Company	2014-15			2015-16			2016-17		
	Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.036	38.184	38.220	0.017	38.362	38.379	0.029	42.779	42.808
BCCL	30.093	3.514	33.607	32.914	3.250	36.164	31.080	3.733	34.813
CCL	19.359	35.978	55.337	18.799	40.783	59.582	21.038	39.895	60.933
NCL		73.518	73.518		78.362	78.362		83.491	83.491
WCL	0.232	41.008	41.240	0.200	42.106	42.306	0.115	39.377	39.492
SECL	0.125	123.084	123.209	0.108	136.474	136.582	0.015	137.645	137.660
SECL(GP-IV/2&3)					2.152	2.152		3.464	3.464
SECL(GP-1)								0.654	0.654
MCL		122.996	122.996		140.214	140.214		143.007	143.007
NEC		0.733	0.733		0.342	0.342		0.777	0.777
<b>CIL</b>	<b>49.845</b>	<b>439.015</b>	<b>488.860</b>	<b>52.038</b>	<b>482.045</b>	<b>534.083</b>	<b>52.277</b>	<b>494.822</b>	<b>547.099</b>
SCCL		52.662	52.662		58.687	58.687		59.374	59.374
JKML		0.013	0.013		0.012	0.012		0.011	0.011
JSMDCL		0.408	0.408		0.197	0.197		0.297	0.297
DVC		0.055	0.055	0.392		0.392	0.180		0.180
IISCO	0.420	0.199	0.619	0.558	0.167	0.725	0.540	0.231	0.771
SAIL	0.024	0.001	0.025			0.000			0.000
RRVUNL		3.443	3.443		6.210	6.210		8.267	8.267
NTPC								0.100	0.100
APMDTCL		0.000	0.000						
DVCEMTA		1.006	1.006						
WBPDCL		6.248	6.248						
PSEB-PANEM		3.454	3.454						
KECML		2.413	2.413						
WBMDTCL		1.111	1.111						
MPSMCL		1.505	1.505						
<b>Total Public</b>	<b>50.289</b>	<b>511.533</b>	<b>561.822</b>	<b>52.988</b>	<b>547.318</b>	<b>600.306</b>	<b>52.997</b>	<b>563.102</b>	<b>616.099</b>
TISCO	6.037	0.024	6.061	6.225	0.008	6.233	6.548		6.548
MEGHALAYA		2.524	2.524		3.712	3.712		3.712	3.712
HIL		2.386	2.386		0.012	0.012		1.765	1.765
SPL		9.261	9.261		16.842	16.842		17.100	17.100
SIL		0.196	0.196		0.163	0.163		0.156	0.156
CESC					1.874	1.874		1.620	1.620
GMR					0.425	0.425		0.280	0.280
BALCO					0.079	0.079		0.221	0.221
JPVL					2.796	2.796		2.803	2.803
RCCPL								0.015	0.015
ICML		3.771	3.771						
JSPL		5.989	5.989						
MIEL		1.022	1.022						
BLA		0.300	0.300						
PIL		1.000	1.000						
JNL		0.777	0.777						
JPL		5.726	5.726						
ESCL	0.112	0.021	0.133						
UML		0.794	0.794						
SEML		1.266	1.266						
BSIL		0.136	0.136						
TUML-SVSL		0.208	0.208						
SOVA		0.400	0.400						
<b>Total Private</b>	<b>6.149</b>	<b>35.801</b>	<b>41.950</b>	<b>6.225</b>	<b>25.911</b>	<b>32.136</b>	<b>6.548</b>	<b>27.672</b>	<b>34.220</b>
<b>ALL INDIA</b>	<b>56.438</b>	<b>547.334</b>	<b>603.772</b>	<b>59.213</b>	<b>573.229</b>	<b>632.442</b>	<b>59.545</b>	<b>590.774</b>	<b>650.319</b>
<b>LIGNITE :</b>									
NLC			25.441			23.717			25.578
GMDCL			8.713			6.968			7.652
GIPCL			3.456			3.063			2.816
RSMML			1.405			0.972			0.549
GHCL			0.193			0.104			0.077
VSLPPL			0.823			0.824			0.476
BLMCL			6.923			6.563			6.007
<b>ALL INDIA</b>			<b>46.954</b>			<b>42.211</b>			<b>43.155</b>
<b>COAL &amp; LIGNITE</b>			<b>650.726</b>			<b>674.653</b>			<b>693.474</b>

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

(Quantity in Million Tonnes)

States	Company	2014-15			2015-16			2016-17		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>Assam</b>	<b>NEC</b>		0.733	<b>0.733</b>		0.342	<b>0.342</b>		0.777	<b>0.777</b>
Chhattisgarh	SECL	0.125	110.044	<b>110.169</b>	0.108	123.479	<b>123.587</b>	0.015	125.000	<b>125.015</b>
Chhattisgarh	SECL(GP-IV/2&3)					2.152	<b>2.152</b>		3.464	<b>3.464</b>
Chhattisgarh	SECL(GP-1)								0.654	<b>0.654</b>
Chhattisgarh	RRVUNL		3.443	<b>3.443</b>		6.210	<b>6.210</b>		8.267	<b>8.267</b>
Chhattisgarh	HIL					0.012	<b>0.012</b>		1.765	<b>1.765</b>
Chhattisgarh	BALCO					0.079	<b>0.079</b>		0.221	<b>0.221</b>
Chhattisgarh	JSPL		5.989	<b>5.989</b>						
Chhattisgarh	MIEL		1.022	<b>1.022</b>						
Chhattisgarh	PIL		1.000	<b>1.000</b>						
Chhattisgarh	JNL		0.777	<b>0.777</b>						
Chhattisgarh	JPL		5.726	<b>5.726</b>						
Chhattisgarh	SEML		1.266	<b>1.266</b>						
<b>Chhattisgarh</b>	<b>TOTAL</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>0.015</b>	<b>139.371</b>	<b>139.386</b>
<b>Jammu &amp; Kashmir</b>	<b>JKML</b>		0.013	<b>0.013</b>		0.012	<b>0.012</b>		0.011	<b>0.011</b>
Jharkhand	ECL	0.029	18.646	<b>18.675</b>	0.017	17.450	<b>17.467</b>	0.026	19.504	<b>19.530</b>
Jharkhand	BCCL	29.551	3.124	<b>32.675</b>	30.908	2.721	<b>33.629</b>	29.383	3.439	<b>32.822</b>
Jharkhand	CCL	19.359	35.978	<b>55.337</b>	18.799	40.783	<b>59.582</b>	21.038	39.895	<b>60.933</b>
Jharkhand	JSMDCL		0.408	<b>0.408</b>		0.197	<b>0.197</b>		0.297	<b>0.297</b>
Jharkhand	DVC		0.055	<b>0.055</b>	0.392		<b>0.392</b>	0.180		<b>0.180</b>
Jharkhand	IISCO	0.420		<b>0.420</b>	0.558	0.014	<b>0.572</b>	0.540	0.026	<b>0.566</b>
Jharkhand	SAIL	0.024	0.001	<b>0.025</b>			<b>0.000</b>			<b>0.000</b>
Jharkhand	TISCO	6.037	0.024	<b>6.061</b>	6.225	0.008	<b>6.233</b>	6.548		<b>6.548</b>
Jharkhand	NTPC								0.100	<b>0.100</b>
Jharkhand	PSEB-PANEM		3.454	<b>3.454</b>						
Jharkhand	UML		0.794	<b>0.794</b>						
Jharkhand	WBPDCCL		4.007	<b>4.007</b>						
Jharkhand	ESCL	0.112	0.021	<b>0.133</b>						
Jharkhand	GVK			<b>0.000</b>						
<b>Jharkhand</b>	<b>TOTAL</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>	<b>57.715</b>	<b>63.261</b>	<b>120.976</b>
Madhya Pradesh	NCL		44.497	<b>44.497</b>		46.547	<b>46.547</b>		50.485	<b>50.485</b>
Madhya Pradesh	WCL	0.232	5.408	<b>5.640</b>	0.200	5.825	<b>6.025</b>	0.115	4.579	<b>4.694</b>
Madhya Pradesh	SECL		13.040	<b>13.040</b>		12.995	<b>12.995</b>		12.645	<b>12.645</b>
Madhya Pradesh	SPL		9.261	<b>9.261</b>		16.842	<b>16.842</b>		17.100	<b>17.100</b>
Madhya Pradesh	JPVL					2.796	<b>2.796</b>		2.803	<b>2.803</b>
Madhya Pradesh	RCCPL								0.015	<b>0.015</b>
Madhya Pradesh	MPSMCL		1.505	<b>1.505</b>						
Madhya Pradesh	BLA		0.300	<b>0.300</b>						
<b>Madhya Pradesh</b>	<b>TOTAL</b>	<b>0.232</b>	<b>74.011</b>	<b>74.243</b>	<b>0.200</b>	<b>85.005</b>	<b>85.205</b>	<b>0.115</b>	<b>87.627</b>	<b>87.742</b>
Maharashtra	WCL		35.600	<b>35.600</b>		36.281	<b>36.281</b>		34.798	<b>34.798</b>
Maharashtra	SIL		0.196	<b>0.196</b>		0.163	<b>0.163</b>		0.156	<b>0.156</b>
Maharashtra	KECML		2.413	<b>2.413</b>						
Maharashtra	BSIL		0.136	<b>0.136</b>						
Maharashtra	TUML-SVSL		0.208	<b>0.208</b>						
<b>Maharashtra</b>	<b>TOTAL</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>0.000</b>	<b>34.954</b>	<b>34.954</b>
<b>Meghalaya</b>	<b>MEGHALAYA</b>		2.524	<b>2.524</b>		3.712	<b>3.712</b>		3.712	<b>3.712</b>
Odisha	MCL		122.996	<b>122.996</b>		140.214	<b>140.214</b>		143.007	<b>143.007</b>
Odisha	GMR					0.425	<b>0.425</b>		0.280	<b>0.280</b>
Odisha	HIL		2.386	<b>2.386</b>						
<b>Odisha</b>	<b>TOTAL</b>		<b>125.382</b>	<b>125.382</b>		<b>140.639</b>	<b>140.639</b>		<b>143.287</b>	<b>143.287</b>
<b>Telangana</b>	<b>SCCL</b>		52.662	<b>52.662</b>		58.687	<b>58.687</b>		59.374	<b>59.374</b>
<b>Uttar Pradesh</b>	<b>NCL</b>		29.021	<b>29.021</b>		31.815	<b>31.815</b>		33.006	<b>33.006</b>
West Bengal	ECL	0.007	19.538	<b>19.545</b>		20.912	<b>20.912</b>	0.003	23.275	<b>23.278</b>
West Bengal	BCCL	0.542	0.390	<b>0.932</b>	2.006	0.529	<b>2.535</b>	1.697	0.294	<b>1.991</b>
West Bengal	IISCO		0.199	<b>0.199</b>		0.153	<b>0.153</b>		0.205	<b>0.205</b>
West Bengal	CESC					1.874	<b>1.874</b>		1.620	<b>1.620</b>
West Bengal	WBPDCCL		2.241	<b>2.241</b>						
West Bengal	ICML		3.771	<b>3.771</b>						
West Bengal	DVCEMTA		1.006	<b>1.006</b>						
West Bengal	WBMDTCL		1.111	<b>1.111</b>						
West Bengal	SOVA		0.400	<b>0.400</b>						
<b>West Bengal</b>	<b>TOTAL</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>1.700</b>	<b>25.394</b>	<b>27.094</b>
<b>Total Public</b>		<b>50.289</b>	<b>511.533</b>	<b>561.822</b>	<b>52.988</b>	<b>547.318</b>	<b>600.306</b>	<b>52.997</b>	<b>563.102</b>	<b>616.099</b>
<b>Total Private</b>		<b>6.149</b>	<b>35.801</b>	<b>41.950</b>	<b>6.225</b>	<b>25.911</b>	<b>32.136</b>	<b>6.548</b>	<b>27.672</b>	<b>34.220</b>
<b>All India</b>		<b>56.438</b>	<b>547.334</b>	<b>603.772</b>	<b>59.213</b>	<b>573.229</b>	<b>632.442</b>	<b>59.545</b>	<b>590.774</b>	<b>650.319</b>



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

(Quantity in Million Tonnes)

Block	Company	State	2015-16			2016-17		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
SECL(GP-IV/2&3)	SECL	Chhattisgarh		2.152	2.152		3.464	3.464
SECL(GP-1)	SECL	Chhattisgarh					0.654	0.654
Parsa East & Kanta Basan	RRVUNL	Chhattisgarh		6.210	6.210		8.267	8.267
Pakri Barwadih	NTPC	Jharkhand					0.100	0.100
Tasra	SAIL/IISCO	Jharkhand			0.000			0.000
<b>Total Public</b>			<b>0.000</b>	<b>8.362</b>	<b>8.362</b>	<b>0.000</b>	<b>12.485</b>	<b>12.485</b>
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		16.842	16.842		17.100	17.100
Amelia North	JPVL	Madhya Pradesh		2.796	2.796		2.803	2.803
Sarshatali	CESC	West Bengal		1.874	1.874		1.620	1.620
Talabira-I	GMR	Odisha		0.425	0.425		0.280	0.280
Belgaon	SIL	Maharashtra		0.163	0.163		0.156	0.156
Chotia	BALCO	Chhattisgarh		0.079	0.079		0.221	0.221
Gare Palma IV/4	HIL	Chhattisgarh					0.859	0.859
Gare Palma IV/5	HIL	Chhattisgarh		0.012	0.012		0.906	0.906
Sial Ghogri	RCCPL	Madhya Pradesh					0.015	0.015
<b>Total Private</b>			<b>0.000</b>	<b>22.191</b>	<b>22.191</b>	<b>0.000</b>	<b>23.960</b>	<b>23.960</b>
<b>Grand Total</b>			<b>0.000</b>	<b>30.553</b>	<b>30.553</b>	<b>0.000</b>	<b>36.445</b>	<b>36.445</b>

**TABLE 3.11: GRADEWISE DESPATCH OF COKING COAL BY COMPANIES IN 2016-17**

(Quantity in Million Tonnes)

Companies	COKING COAL GRADE											Total Coking
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	SLV1	Washery Feed	Met Coal	Non Met	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
ECL			0.003			0.026				0.003	0.026	<b>0.029</b>
BCCL	0.014	0.969	0.000	0.166	1.899	8.337	19.695			3.409	27.671	<b>31.080</b>
CCL		0.017			0.079	1.724	15.908		3.310	4.591	16.447	<b>21.038</b>
NCL											0.000	<b>0.000</b>
WCL					0.115					0.041	0.074	<b>0.115</b>
SECL			0.015								0.015	<b>0.015</b>
SECL (GP-IV/2&3)												<b>0.000</b>
SECL (GP-1)												<b>0.000</b>
MCL											0.000	<b>0.000</b>
NEC											0.000	<b>0.000</b>
<b>CIL</b>	<b>0.014</b>	<b>0.986</b>	<b>0.018</b>	<b>0.166</b>	<b>2.093</b>	<b>10.087</b>	<b>35.603</b>	<b>0.000</b>	<b>3.310</b>	<b>8.044</b>	<b>44.233</b>	<b>52.277</b>
SCCL												<b>0.000</b>
JKML												<b>0.000</b>
JSMDCL												<b>0.000</b>
DVC							0.180			0.000	0.180	<b>0.180</b>
IISCO						0.085	0.455			0.540	0.000	<b>0.540</b>
SAIL											0.000	<b>0.000</b>
RRVUNL												<b>0.000</b>
NTPC												<b>0.000</b>
<b>Total Public</b>	<b>0.014</b>	<b>0.986</b>	<b>0.018</b>	<b>0.166</b>	<b>2.093</b>	<b>10.172</b>	<b>36.238</b>	<b>0.000</b>	<b>3.310</b>	<b>8.584</b>	<b>44.413</b>	<b>52.997</b>
TISCO					0.116	1.335	5.097	0.000		6.547	0.001	<b>6.548</b>
Meghalaya												<b>0.000</b>
SIL												<b>0.000</b>
HIL												<b>0.000</b>
SPL												<b>0.000</b>
GMR												<b>0.000</b>
BALCO												<b>0.000</b>
JPVL												<b>0.000</b>
RCCPL												<b>0.000</b>
CESC												<b>0.000</b>
<b>Total Private</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.116</b>	<b>1.335</b>	<b>5.097</b>	<b>0.000</b>	<b>0.000</b>	<b>6.547</b>	<b>0.001</b>	<b>6.548</b>
<b>ALL INDIA</b>	<b>0.014</b>	<b>0.986</b>	<b>0.018</b>	<b>0.166</b>	<b>2.209</b>	<b>11.507</b>	<b>41.335</b>	<b>0.000</b>	<b>3.310</b>	<b>15.131</b>	<b>44.414</b>	<b>59.545</b>

**TABLE 3.12: GRADEWISE DESPATCH OF NON COKING COAL BY COMPANIES IN 2016-17**

(Quantity in Million Tonnes)

Companies	NON-COKING COAL GRADE																			Total N-Coking	Total Coal	
	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	UNG	Washery Feed			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)		(20)	(21)	
ECL	0.000	1.365	13.916	6.229	1.814	2.049	0.621						16.785								42.779	42.808
BCCL			0.880	0.089	0.028	1.087	0.570	0.008	1.054	0.000	0.017										3.733	34.813
CCL			0.002	0.154	1.161	0.421	0.567	1.565	5.484	14.630	6.410	4.575	0.000	0.000	0.000	0.000	0.000	0.000	4.926		39.895	60.933
NCL					0.071	0.099	17.681	11.468	0.000	51.494		2.372						0.306			83.491	83.491
WCL				0.016	0.207	1.026	2.210	9.346	15.844	7.428	3.300										39.377	39.492
SECL			2.272	2.817	7.045	8.113	4.295	1.062	0.567	2.043	95.778	4.535	2.868	3.416	0.230	2.604	0.000				137.645	137.660
SECL (GP-IV/2&3)												0.095	1.085	2.284							3.464	3.464
SECL (GP-1)												0.424	0.230								0.654	0.654
MCL					0.003		0.094	0.000	0.433	0.525	3.076	82.431	56.445								143.007	143.007
NEC	0.117	0.396	0.264																		0.777	0.777
<b>CIL</b>	<b>0.117</b>	<b>0.396</b>	<b>4.519</b>	<b>17.256</b>	<b>14.744</b>	<b>12.560</b>	<b>27.466</b>	<b>24.070</b>	<b>23.382</b>	<b>76.120</b>	<b>108.581</b>	<b>94.432</b>	<b>76.098</b>	<b>4.501</b>	<b>0.460</b>	<b>4.888</b>	<b>0.000</b>	<b>0.306</b>	<b>4.926</b>	<b>494.822</b>	<b>547.099</b>	
SCCL					0.566		5.485	5.766	8.192	13.939	8.494	0.107	13.504	0.000	2.825	0.000	0.307	0.189			59.374	59.374
JKML	0.011																				0.011	0.011
JSMDCL												0.297									0.297	0.297
DVC																					0.000	0.180
IISCO				0.105		0.100												0.026			0.231	0.771
SAIL																					0.000	0.000
RRVUNL											8.267										8.267	8.267
NTPC									0.100												0.100	0.100
<b>Total Public</b>	<b>0.128</b>	<b>0.396</b>	<b>4.519</b>	<b>17.361</b>	<b>15.310</b>	<b>12.660</b>	<b>32.951</b>	<b>29.836</b>	<b>31.674</b>	<b>90.059</b>	<b>125.342</b>	<b>94.836</b>	<b>89.602</b>	<b>4.501</b>	<b>3.285</b>	<b>4.888</b>	<b>0.307</b>	<b>0.521</b>	<b>4.926</b>	<b>563.102</b>	<b>616.099</b>	
TISCO																					0.000	6.548
Meghalaya	3.712																				3.712	3.712
SIL								0.156													0.156	0.156
HIL								0.532		0.161	0.384	0.374	0.314								1.765	1.765
SPL										17.100											17.100	17.100
GMR													0.082	0.198							0.280	0.280
BALCO								0.221													0.221	0.221
JPVL											2.803										2.803	2.803
RCCPL																		0.015			0.015	0.015
CESC											1.620										1.620	1.620
<b>Total Private</b>	<b>3.712</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>0.688</b>	<b>0.221</b>	<b>17.261</b>	<b>4.807</b>	<b>0.374</b>	<b>0.396</b>	<b>0.198</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.015</b>	<b>0.000</b>	<b>27.672</b>	<b>34.220</b>	
<b>ALL INDIA</b>	<b>3.840</b>	<b>0.396</b>	<b>4.519</b>	<b>17.361</b>	<b>15.310</b>	<b>12.660</b>	<b>32.951</b>	<b>30.524</b>	<b>31.895</b>	<b>107.320</b>	<b>130.149</b>	<b>95.210</b>	<b>89.998</b>	<b>4.699</b>	<b>3.285</b>	<b>4.888</b>	<b>0.307</b>	<b>0.536</b>	<b>4.926</b>	<b>590.774</b>	<b>650.319</b>	

**TABLE 3.13: MODEWISE COMPANYWISE DESPATCHES OF RAW COAL IN 2016-17 ( External & Internal )**

(Quantity of Million Tonnes)

Company	YEAR 2016 - 17 (External)							YEAR 2016 - 17 (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	29.155	1.465	12.188				42.808							0.000	42.808
BCCL	25.407	7.001					32.408	0.847	1.558					2.405	34.813
CCL	30.935	17.384					48.319		12.614					12.614	60.933
NCL	27.365	10.682	38.995		2.987		80.029		3.462					3.462	83.491
WCL	26.965	9.810	0.354	2.006	0.278		39.413						0.079	0.079	39.492
SECL	52.929	52.530	22.727		7.345	2.129	137.660							0.000	137.660
SECL(GP-IV/2&3)		3.464					3.464							0.000	3.464
SECL(GP-IV/1)		0.654					0.654							0.000	0.654
MCL	90.776	38.210	12.610		1.411		143.007							0.000	143.007
NEC	0.568	0.209					0.777							0.000	0.777
<b>CIL</b>	<b>284.100</b>	<b>141.409</b>	<b>86.874</b>	<b>2.006</b>	<b>12.021</b>	<b>2.129</b>	<b>528.539</b>	<b>0.847</b>	<b>17.634</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.079</b>	<b>18.560</b>	<b>547.099</b>
SCCL	38.647	11.516	8.507	0.296		0.408	59.374							0.000	59.374
JKML		0.011					0.011							0.000	0.011
JSMDCL		0.297					0.297							0.000	0.297
DVC		0.180					0.180							0.000	0.180
IISCO		0.081					0.081	0.433		0.085	0.172			0.690	0.771
SAIL	0.000	0.000					0.000							0.000	0.000
RRUVNL							0.000						8.267	8.267	8.267
JPVL	2.803						2.803							0.000	2.803
NTPC	0.100						0.100							0.000	0.100
<b>PUBLIC</b>	<b>325.650</b>	<b>153.494</b>	<b>95.381</b>	<b>2.302</b>	<b>12.021</b>	<b>2.537</b>	<b>591.385</b>	<b>0.847</b>	<b>18.067</b>	<b>0.000</b>	<b>0.085</b>	<b>0.172</b>	<b>8.346</b>	<b>27.517</b>	<b>618.902</b>
TISCO							0.000	0.269			6.279			6.548	6.548
MEGHALAYA		3.712					3.712							0.000	3.712
CESC		1.620					1.620							0.000	1.620
HIL- GP IV/4		0.859					0.859							0.000	0.859
HIL- GP IV/5		0.906					0.906							0.000	0.906
GMR		0.280					0.280							0.000	0.280
BALCO		0.221					0.221							0.000	0.221
SIL	0.156						0.156							0.000	0.156
SPL					17.100		17.100							0.000	17.100
RCCPL		0.015					0.015							0.000	0.015
<b>PRIVATE</b>	<b>0.156</b>	<b>7.613</b>	<b>0.000</b>	<b>0.000</b>	<b>17.100</b>	<b>0.000</b>	<b>24.869</b>	<b>0.000</b>	<b>0.269</b>	<b>0.000</b>	<b>0.000</b>	<b>6.279</b>	<b>0.000</b>	<b>6.548</b>	<b>31.417</b>
<b>GRAND TOTAL</b>	<b>325.806</b>	<b>161.107</b>	<b>95.381</b>	<b>2.302</b>	<b>29.121</b>	<b>2.537</b>	<b>616.254</b>	<b>0.847</b>	<b>18.336</b>	<b>0.000</b>	<b>0.085</b>	<b>6.451</b>	<b>8.346</b>	<b>34.065</b>	<b>650.319</b>

**TABLE 3.14: COMPANYWISE OFF-TAKE OF RAW COAL & LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2016-17**

(Quantity of Million Tonnes)

Company	Power (Utility)	Power (Captive)	Steel	Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic-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	40.121	0.056	0.003	0.144	0.050		0.048		0.004	0.015	0.004	0.015	2.348	42.808	0.211	43.019
BCCL	27.492		0.879			1.105							5.337	34.813	0.041	34.854
CCL	37.132	1.514	3.436			0.221	0.581		0.023				18.026	60.933	0.001	60.934
NCL	74.136	4.243			0.037		0.102	0.320					4.653	83.491	0.000	83.491
WCL	29.517	0.370	0.115		1.060		0.206		0.091	0.205	0.063		7.865	39.492	0.005	39.497
SECL	108.485	3.717	0.015	0.309	2.254	0.817	1.680		0.000	0.145	0.031		20.207	137.660	0.012	137.672
SECL(GP-IV/2&3)													3.464	3.464		3.464
SECL(GP-IV/1)													0.654	0.654		0.654
MCL	98.551	16.688			0.258		2.821	0.114		0.080			24.495	143.007	0.005	143.012
NEC	0.436	0.007			0.030					0.072			0.232	0.777		0.777
<b>CIL</b>	<b>415.870</b>	<b>26.595</b>	<b>4.448</b>	<b>0.453</b>	<b>3.689</b>	<b>2.143</b>	<b>5.438</b>	<b>0.434</b>	<b>0.118</b>	<b>0.517</b>	<b>0.098</b>	<b>0.015</b>	<b>87.281</b>	<b>547.099</b>	<b>0.275</b>	<b>547.374</b>
SCCL	50.482	1.772	0.309		2.703		0.102	0.217	0.194	0.667	0.145	0.002	2.781	59.374	0.014	59.388
JKML					0.002							0.008	0.001	0.011		0.011
JSMDCL	0.150				0.025		0.050					0.072		0.297		0.297
DVC	0.180													0.180		0.180
IISCO			0.540	0.205									0.026	0.771		0.771
SAIL														0.000		0.000
RRVUNL	8.267													8.267		8.267
NTPC	0.100													0.100		0.100
<b>PUBLIC</b>	<b>475.049</b>	<b>28.367</b>	<b>5.297</b>	<b>0.658</b>	<b>6.419</b>	<b>2.143</b>	<b>5.590</b>	<b>0.651</b>	<b>0.312</b>	<b>1.184</b>	<b>0.243</b>	<b>0.097</b>	<b>90.089</b>	<b>616.099</b>	<b>0.289</b>	<b>616.388</b>
TISCO			6.548											6.548		6.548
MEGHALAYA													3.712	3.712		3.712
CESC	1.620													1.620		1.620
HIL- GP IV/4		0.859												0.859		0.859
HIL- GP IV/5		0.906												0.906		0.906
GMR		0.280												0.280		0.280
BALCO		0.221												0.221		0.221
SIL		0.051					0.087						0.018	0.156		0.156
SPL	17.100													17.100		17.100
JPVL	2.803													2.803		2.803
RCCPL					0.015									0.015		0.015
<b>PRIVATE</b>	<b>21.523</b>	<b>2.317</b>	<b>6.548</b>	<b>0.000</b>	<b>0.015</b>	<b>0.000</b>	<b>0.087</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>3.730</b>	<b>34.220</b>	<b>0.000</b>	<b>34.220</b>
<b>GRAND TOTAL</b>	<b>496.572</b>	<b>30.684</b>	<b>11.845</b>	<b>0.658</b>	<b>6.434</b>	<b>2.143</b>	<b>5.677</b>	<b>0.651</b>	<b>0.312</b>	<b>1.184</b>	<b>0.243</b>	<b>0.097</b>	<b>93.819</b>	<b>650.319</b>	<b>0.289</b>	<b>650.608</b>
<b>LIGNITE:</b>																
GIPCL		2.816												2.816		2.816
GMDCL		3.997	0.038		0.190	0.001			0.197	0.484	1.464	0.373	0.908	7.652		7.652
GHCL		0.077												0.077		0.077
NLCL	24.284	1.167	0.035		0.002				0.000	0.042	0.000	0.009	0.039	25.578		25.578
RSMLL					0.099				0.002				0.448	0.549		0.549
VSLPPL		0.476												0.476		0.476
BLMCL		6.007												6.007		6.007
<b>TOTAL</b>	<b>24.284</b>	<b>14.540</b>	<b>0.073</b>	<b>0.000</b>	<b>0.291</b>	<b>0.001</b>	<b>0.000</b>	<b>0.000</b>	<b>0.199</b>	<b>0.526</b>	<b>1.464</b>	<b>0.382</b>	<b>1.395</b>	<b>43.155</b>	<b>0.000</b>	<b>43.155</b>

**TABLE 3.15: AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2015-16 & 2016-17**

(Quantity in Million Tonnes)

Company	2015-16							2016-17								
	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	53.491	538.754	<b>592.245</b>	534.083	0.300	<b>534.383</b>	57.683	57.683	559.464	<b>617.147</b>	547.099	0.275	<b>547.374</b>	69.908		
SCCL	5.348	60.380	<b>65.728</b>	58.687	0.035	<b>58.722</b>	7.025	7.025	59.532	<b>66.557</b>	59.374	0.014	<b>59.388</b>	6.544		
JKML	0.013	0.013	<b>0.026</b>	0.012		<b>0.012</b>	0.013	0.013	0.010	<b>0.023</b>	0.011		<b>0.011</b>	0.012		
JSMDCL	0.007	0.190	<b>0</b>	0.197		<b>0</b>	0.000	0.000	0.297	<b>0</b>	0.297		<b>0</b>	0.000		
DVC	0.030	0.403	<b>0.433</b>	0.392		<b>0.392</b>	0.041	0.041	0.152	<b>0.193</b>	0.180		<b>0.180</b>	0.013		
IISCO	0.013	0.727	<b>0.740</b>	0.725		<b>0.725</b>	0.014	0.014	0.766	<b>0.780</b>	0.771		<b>0.771</b>	0.007		
SAIL	0.000	0.000	<b>0.000</b>	0.000		<b>0.000</b>	0.000	0.000	0.000	<b>0.000</b>	0.000		<b>0.000</b>	0.000		
RRVUNL	0.000	6.210	<b>6.210</b>	6.210		<b>6.210</b>	0.000	0.000	8.267	<b>8.267</b>	8.267		<b>8.267</b>	0.000		
NTPC								0.000	0.228	<b>0.228</b>	0.100		<b>0.100</b>	0.127		
<b>PUBLIC</b>	<b>58.902</b>	<b>606.677</b>	<b>665.579</b>	<b>600.306</b>	<b>0.335</b>	<b>600.641</b>	<b>64.776</b>	<b>64.776</b>	<b>628.716</b>	<b>693.492</b>	<b>616.099</b>	<b>0.289</b>	<b>616.388</b>	<b>76.611</b>		
TISCO	0.012	6.228	<b>6.240</b>	6.233	0.001	<b>6.234</b>	0.007	0.007	6.316	<b>6.323</b>	6.548		<b>6.548</b>	0.011		
Meghalaya	0.000	3.712	<b>3.712</b>	3.712		<b>3.712</b>	0.000	0.000	3.712	<b>3.712</b>	3.712		<b>3.712</b>	0.000		
SPL	0.145	17.022	<b>17.167</b>	16.842		<b>16.842</b>	0.326	0.326	16.997	<b>17.323</b>	17.100		<b>17.100</b>	0.222		
CESC	0.000	1.877	<b>1.877</b>	1.874		<b>1.874</b>	0.003	0.003	1.742	<b>1.745</b>	1.620		<b>1.620</b>	0.125		
HIL	0.008	0.069	<b>0.077</b>	0.012		<b>0.012</b>	0.057	0.057	2.000	<b>2.057</b>	1.765		<b>1.765</b>	0.291		
GMR	0.000	0.560	<b>0.560</b>	0.425		<b>0.425</b>	0.136	0.136	0.151	<b>0.287</b>	0.280		<b>0.280</b>	0.006		
BALCO	0.000	0.120	<b>0.120</b>	0.079		<b>0.079</b>	0.041	0.041	0.180	<b>0.221</b>	0.221		<b>0.221</b>	0.000		
SIL	0.009	0.165	<b>0.174</b>	0.163		<b>0.163</b>	0.011	0.011	0.153	<b>0.164</b>	0.156		<b>0.156</b>	0.008		
JPVL	0.000	2.800	<b>2.800</b>	2.796		<b>2.796</b>	0.004	0.004	2.800	<b>2.804</b>	2.803		<b>2.803</b>	0.001		
RCCPL									0.025	<b>0.025</b>	0.015		<b>0.015</b>	0.010		
<b>PRIVATE</b>	<b>0.174</b>	<b>32.553</b>	<b>32.727</b>	<b>32.136</b>	<b>0.001</b>	<b>32.137</b>	<b>0.585</b>	<b>0.585</b>	<b>34.076</b>	<b>34.661</b>	<b>34.220</b>	<b>0.000</b>	<b>34.220</b>	<b>0.674</b>		
<b>INDIA</b>	<b>59.076</b>	<b>639.230</b>	<b>698.306</b>	<b>632.442</b>	<b>0.336</b>	<b>632.778</b>	<b>65.361</b>	<b>65.361</b>	<b>662.792</b>	<b>728.153</b>	<b>650.319</b>	<b>0.289</b>	<b>650.608</b>	<b>77.285</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)
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	65.361	93.15	10.06	4.809	6.85	51.42	70.170	12.16
2016-17	77.285	91.82	18.24	6.883	8.18	43.13	84.168	19.95

**TABLE-4.2 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2016-17**

(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-16	61.997	2.944	0.258	0.110	0.615	0	0.125
May-16	59.038	2.230	0.276	0.087	0.715	0	0.100
Jun-16	56.710	2.524	0.288	0.189	0.685	0	0.063
<b>1st Quarter</b>	<b>56.710</b>	<b>2.524</b>	<b>0.288</b>	<b>0.189</b>	<b>0.685</b>	<b>0.000</b>	<b>0.063</b>
Jul-16	51.470	2.448	0.329	0.242	0.646	0	0.086
Aug-16	46.976	2.424	0.286	0.272	0.658	0	0.073
Sep-16	45.278	3.265	0.264	0.263	0.604	0	0.084
<b>2nd Quarter</b>	<b>45.278</b>	<b>3.265</b>	<b>0.264</b>	<b>0.263</b>	<b>0.604</b>	<b>0.000</b>	<b>0.084</b>
Oct-16	51.108	3.143	0.231	0.292	0.617	0	0.069
Nov-16	56.382	3.309	0.161	0.324	0.634	0	0.073
Dec-16	59.779	4.103	0.164	0.492	0.653	0	0.097
<b>3rd Quarter</b>	<b>59.779</b>	<b>4.103</b>	<b>0.164</b>	<b>0.492</b>	<b>0.653</b>	<b>0.000</b>	<b>0.097</b>
Jan-17	55.835	4.896	0.193	0.740	0.699	0	0.084
Feb-17	62.798	5.642	0.159	0.891	0.753	0	0.066
Mar-17	77.285	6.883	0.152	1.079	0.775	0	0.075
<b>4th Quarter</b>	<b>77.285</b>	<b>6.883</b>	<b>0.152</b>	<b>1.079</b>	<b>0.775</b>	<b>0.000</b>	<b>0.075</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	2014-15		2015-16		2016-17	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>COAL :</b>						
ECL	3.451	5.81	5.055	7.73	2.555	3.31
BCCL	4.362	7.34	4.016	6.14	6.199	8.02
CCL	9.718	16.36	11.460	17.53	17.573	22.74
NCL	4.898	8.25	6.590	10.08	7.195	9.31
WCL	5.501	9.26	8.007	12.25	14.142	18.30
SECL	12.816	21.58	11.876	18.17	14.342	18.56
SECL(GP-IV/2&3)			0.126	0.19	1.142	1.48
SECL(GP-1)					0.190	0.25
MCL	12.530	21.10	10.194	15.60	6.387	8.26
NEC	0.215	0.36	0.359	0.55	0.183	0.24
<b>CIL</b>	<b>53.491</b>	<b>90.07</b>	<b>57.683</b>	<b>88.25</b>	<b>69.908</b>	<b>90.45</b>
SCCL	5.348	9.01	7.025	10.75	6.544	8.47
JKML	0.013	0.02	0.013	0.02	0.012	0.02
JSMDCL	0.007	0.01	0	0.00	0	0.00
DVC	0.030	0.05	0.041	0.06	0.013	0.02
IISCO	0.013	0.02	0.014	0.02	0.007	0.01
SAIL	0	0.00	0	0.00	0	0.00
RRVUNL			0	0.00	0	0.00
NTPC					0.127	0.16
DVC EMTA	0	0.00				
APMDTCL	0	0.00				
WBPDCCL	0.008	0.01				
PSEB-PANEM	0.089	0.15				
KECML	0.095	0.16				
WBMDTCL	0.007	0.01				
MPSMCL	0	0.00				
<b>PUBLIC</b>	<b>59.101</b>	<b>99.52</b>	<b>64.776</b>	<b>99.10</b>	<b>76.611</b>	<b>99.13</b>
TISCO	0.012	0.02	0.007	0.01	0.011	0.01
Meghalaya	0.000	0.00	0.000	0.00	0	0.00
HIL	0.008	0.01	0.057	0.09	0.291	0.38
SIL	0.009	0.02	0.011	0.02	0.008	0.01
SPL	0.145	0.24	0.326	0.50	0.222	0.29
GMR			0.136	0.21	0.006	0.01
BALCO			0.041	0.06	0	0.00
CESC			0.003	0.00	0.125	0.16
JPVL			0.004	0.01	0.001	0.00
RCCPL					0.010	0.01
ICML	0	0.00				
JSPL	0.010	0.02				
MIEL	0	0.00				
BLA	0	0.00				
PIL	0	0.00				
JNL	0.002	0.00				
JPL	0	0.00				
ESCL	0.037	0.06				
UML	0	0.00				
SEML	0.054	0.09				
BSIL	0.004	0.01				
TUML/SVSL	0.007	0.01				
SOVA	0	0.00				
<b>PRIVATE</b>	<b>0.288</b>	<b>0.48</b>	<b>0.585</b>	<b>0.90</b>	<b>0.674</b>	<b>0.87</b>
<b>ALL INDIA</b>	<b>59.389</b>	<b>100.00</b>	<b>65.361</b>	<b>100.00</b>	<b>77.285</b>	<b>100.00</b>
<b>LIGNITE :</b>						
NLC	2.842	89.48	4.573	95.09	6.612	96.06
GMDCL			0.000		0.000	
GIPCL			0.000		0.000	
GHCL	0.023	0.72	0.011	0.23	0.012	0.17
RSMMML			0.000		0.000	
VSLPPL	0.233		0.031		0.062	
BLMCL	0.078	2.46	0.194	4.03	0.197	2.86
<b>ALL INDIA</b>	<b>3.176</b>	<b>92.66</b>	<b>4.809</b>	<b>99.36</b>	<b>6.883</b>	<b>99.10</b>
<b>COAL &amp; LIGNITE</b>	<b>62.565</b>		<b>70.170</b>		<b>84.168</b>	

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

(Quantity in Million Tonnes)

Block	Company	State	2015-16			2016-17		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
(1)	(2)	(3)	(7)	(8)	(9)	(7)	(8)	(9)
Gare Palma IV/2&3	SECL(GP-IV/2&3)	Chhattisgarh		0.126	<b>0.126</b>		1.142	<b>1.142</b>
Gare Palma 1	SECL(GP-1)	Chhattisgarh					0.190	<b>0.190</b>
Parsa East & Kanta Basan	RRUVNL	Chhattisgarh		0.000	<b>0.000</b>		0.000	<b>0.000</b>
Pakri Barwadih	NTPC	Jharkhand					0.127	<b>0.127</b>
Tasra	SAIL/IISCO	Jharkhand		0.000	<b>0.000</b>		0.000	<b>0.000</b>
<b>Total Public</b>			<b>0.000</b>	<b>0.126</b>	<b>0.126</b>	<b>0.000</b>	<b>1.459</b>	<b>1.459</b>
Belgaon	SIL	Maharashtra		0.011	<b>0.011</b>		0.008	<b>0.008</b>
Chotia	BALCO	Chhattisgarh		0.041	<b>0.041</b>		0.000	<b>0.000</b>
Gare Palma IV/4	HIL	Chhattisgarh					0.197	<b>0.197</b>
Gare Palma IV/5	HIL	Chhattisgarh		0.057	<b>0.057</b>		0.094	<b>0.094</b>
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		0.326	<b>0.326</b>		0.222	<b>0.222</b>
Sarshatali	CESC	West Bengal		0.003	<b>0.003</b>		0.125	<b>0.125</b>
Amelia North	JPVL	Madhya Pradesh		0.004	<b>0.004</b>		0.001	<b>0.001</b>
Talabira I	GMR	Odisha		0.136	<b>0.136</b>		0.006	<b>0.006</b>
Sial Ghogri	RCCPL	Madhya Pradesh					0.010	<b>0.010</b>
<b>Total Private</b>			<b>0.000</b>	<b>0.578</b>	<b>0.578</b>	<b>0.000</b>	<b>0.663</b>	<b>0.663</b>
<b>Grand Total</b>			<b>0.000</b>	<b>0.704</b>	<b>0.704</b>	<b>0.000</b>	<b>2.122</b>	<b>2.122</b>

**TABLE - 5.1 : YEAR WISE IMPORT OF COAL, COKE AND LIGNITE TO INDIA DURING LAST TEN YEARS**  
(Quantity in Million Tonne & Value in Million Rs.)

Year	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
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	44.561	282519	159.388	577819	<b>203.949</b>	<b>860338</b>	3.072	32684	0.001	15
2016-17	41.644	412301	149.309	590013	<b>190.953</b>	<b>1002314</b>	4.346	54019	0.019	433

**TABLE - 5.2 : YEAR WISE EXPORT OF COAL, COKE AND LIGNITE FROM INDIA DURING LAST TEN YEARS**  
(Quantity in Million Tonne & Value in Million Rs. )

Year	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
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>2.015</b>	<b>5812</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	1.511	8348	<b>1.575</b>	<b>8998</b>	0.149	1494	0.001	9
2016-17	0.027	115	1.746	9555	<b>1.773</b>	<b>9669</b>	0.089	1063	0.005	305

**Note:**

Source: DGCI & S, KOLKATA

- (1) Coke also includes soft coke, retort carbon which are negligible
- (2) Some figures may not match with DGCI&S publication due to subsequent corrections and roundings.
- (3) Coking coal, appeared to be exported from Meghalaya, should be treated as non coking coal for accounting purpose.
- (4) Export data for 2009-10 and 2010-11 are revised.

**TABLE 5.3 : SOURCE COUNTRY-WISE IMPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2016-17**

( 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)
Australia	36.503	359402.39	10.151	66737.30	<b>46.654</b>	<b>426139.70</b>	0.6232	8579.25		
Belarus							0.0000	0.30		
Canada	2.300	23780.24	0.077	486.80	<b>2.377</b>	<b>24267.03</b>	0.0001	2.61		
Chile			0.737	2179.17	<b>0.737</b>	<b>2179.17</b>				
China P Rp			0.023	399.25	<b>0.023</b>	<b>399.25</b>	2.2150	26169.43	0.01910	432.68
Colombia	0.000	0.44	2.001	7428.48	<b>2.001</b>	<b>7428.92</b>	0.2256	3421.91		
Estonia							0.0001	1.54		
Germany			0.000	1.44	<b>0.000</b>	<b>1.44</b>	0.0000	0.87		
Indonesia			91.261	319131.58	<b>91.261</b>	<b>319131.58</b>				
Iran	0.001	12.37	0.026	117.80	<b>0.027</b>	<b>130.17</b>				
Ireland							0.0001	2.07		
Italy							0.0003	7.86		
Japan			0.000	0.84	<b>0.000</b>	<b>0.84</b>	0.3746	4460.92		
Latvia							0.0056	72.23		
Lithuania							0.0006	9.40		
Macao			0.004	13.41	<b>0.004</b>	<b>13.41</b>				
Malaysia			0.035	165.73	<b>0.035</b>	<b>165.73</b>				
Mozambique	0.857	9500.86	2.850	11248.29	<b>3.707</b>	<b>20749.16</b>				
Netherland			0.000	1.74	<b>0.000</b>	<b>1.74</b>	0.0000	0.29		
New Zealand	0.475	4429.42			<b>0.475</b>	<b>4429.42</b>				
Philippines			0.190	828.99	<b>0.190</b>	<b>828.99</b>				
Poland							0.7396	8803.77		
Russia	0.287	2302.37	3.913	19999.62	<b>4.200</b>	<b>22301.99</b>	0.1140	1580.17		
Saudi Arab			0.048	127.40	<b>0.048</b>	<b>127.40</b>				
South Africa	0.044	494.04	33.936	140688.49	<b>33.980</b>	<b>141182.53</b>				
U Arab Emts			0.000	0.52	<b>0.000</b>	<b>0.52</b>				
U K	0.002	44.92	0.001	21.83	<b>0.003</b>	<b>66.74</b>	0.0001	3.58		
U S A	1.148	12006.43	3.949	19459.35	<b>5.097</b>	<b>31465.78</b>			0.00002	0.61
Ukraine			0.054	337.74	<b>0.054</b>	<b>337.74</b>	0.0474	903.15		
Vietnam Soc Rep			0.054	637.55	<b>0.054</b>	<b>637.55</b>				
Virgin Is Us	0.020	286.88			<b>0.020</b>	<b>286.88</b>				
Unspecified	0.006	40.25			<b>0.006</b>	<b>40.25</b>				
<b>TOTAL</b>	<b>41.644</b>	<b>412300.61</b>	<b>149.309</b>	<b>590013.33</b>	<b>190.953</b>	<b>1002313.94</b>	<b>4.3465</b>	<b>54019.35</b>	<b>0.01912</b>	<b>433.29</b>

Source: DGCI &amp; S , KOLKATA

**TABLE 5.4 : DESTINATION COUNTRY-WISE EXPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2016-17**

( 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)
Australia				0.00	0.000	0.00				
Azerbaijan					0.000	0.00			0.00002	2.37
Bangladesh Pr	0.027	114.05	1.024	4812.07	1.051	4926.13	0.0021	26.51		
Bhutan	0.000	0.39	0.039	349.41	0.039	349.80	0.0324	549.20	0.00296	52.19
Cote D' Ivoire			0.000	0.03	0.000	0.03				
Egypt A Rp					0.000	0.00	0.0001	1.09		
Equitl Guinea			0.005	16.87	0.005	16.87				
Ethiopia					0.000	0.00	0.0000	0.43		
Gabon					0.000	0.00		0.00		
Greece					0.000	0.00	0.0000	0.44		
Italy					0.000	0.00	0.0000	0.29		
Japan					0.000	0.00		0.00		
Jordan			0.000	0.41	0.000	0.41	0.0004	8.05		
Kuwait					0.000	0.00	0.0001	0.96		
Madagascar			0.000	2.71	0.000	2.71				
Malaysia			0.000	2.92	0.000	2.92				
Maldives				0.02	0.000	0.02				
Nepal	0.000	0.08	0.639	4223.07	0.639	4223.15	0.0453	327.84		
Nigeria					0.000	0.00	0.0001	2.37		
Oman			0.000	1.11	0.000	1.11	0.0020	38.10	0.00021	31.02
Pakistan Ir					0.000	0.00	0.0043	68.62	0.00022	7.74
Qatar			0.000	0.17	0.000	0.17	0.0000	0.06		
Russia					0.000	0.00			0.00007	11.98
Saudi Arab			0.001	16.47	0.001	16.47	0.0006	11.98	0.00161	167.10
Singapore			0.000	1.31	0.000	1.31			0.00008	11.78
South Africa					0.000	0.00	0.0001	4.79		
Sri Lanka Dsr					0.000	0.00	0.0003	7.28	0.00006	1.33
Sudan			0.000	0.35	0.000	0.35	0.0002	3.13		
Tanzania Rep			0.000	1.06	0.000	1.06	0.0001	1.06		
Thailand					0.000	0.00			0.00013	18.98
U Arab Emts			0.037	126.72	0.037	126.72	0.0006	11.16	0.00002	0.19
U S A				0.00	0.000	0.00			0.00001	0.44
Uganda					0.000	0.00	0.0000	0.06		
Unspecified					0.000	0.00				
<b>TOTAL</b>	<b>0.027</b>	<b>114.53</b>	<b>1.746</b>	<b>9554.72</b>	<b>1.773</b>	<b>9669.25</b>	<b>0.0887</b>	<b>1063.43</b>	<b>0.00538</b>	<b>305.12</b>

Source: DGCI &amp; S , KOLKATA

**TABLE 5.5 : PORT WISE IMPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2016-17**

( 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)
Appiic Multi Prod Sez Vizag Dc			0.085	279.76	<b>0.085</b>	<b>279.76</b>	0.03427	378.23		
Bangalore Airport	0.000	0.02		0.00	<b>0.000</b>	<b>0.02</b>				
Bedi Sea			4.055	12825.57	<b>4.055</b>	<b>12825.57</b>				
Bhavnagar			0.599	2308.14	<b>0.599</b>	<b>2308.14</b>				
Chennai Air				0.10	<b>0.000</b>	<b>0.10</b>				
Chennai Sea	0.001	31.40	0.021	354.16	<b>0.022</b>	<b>385.56</b>	0.00090	15.75		
Cochin Sea			0.044	165.59	<b>0.044</b>	<b>165.59</b>	0.00047	6.71		
Dehej Sea			6.184	24558.04	<b>6.184</b>	<b>24558.04</b>				
Delhi Air	0.000	0.01		0.05	<b>0.000</b>	<b>0.07</b>				
Dhamra(Chandbali)	7.119	69650.39	5.615	27417.71	<b>12.734</b>	<b>97068.10</b>				
Dharmatar Sea	0.643	7820.72	1.386	5889.53	<b>2.029</b>	<b>13710.25</b>	0.12625	1693.14		
Ennore Sea	0.222	1356.01	8.581	30252.71	<b>8.803</b>	<b>31608.72</b>				
Gangavaram Port	4.920	48841.34	6.317	23258.69	<b>11.237</b>	<b>72100.03</b>	0.02300	359.67		
Hazira Port, Surat	0.000	2.24	3.943	12883.39	<b>3.943</b>	<b>12885.63</b>				
Hetero Infra Sez Nakkapalli Ap			0.015	26.07	<b>0.015</b>	<b>26.07</b>				
Hyderabad Airport	0.000	0.01			<b>0.000</b>	<b>0.01</b>				
Icd Bangalore					<b>0.000</b>	<b>0.00</b>	0.00002	0.51		
Icd Bhusawal					<b>0.000</b>	<b>0.00</b>	0.00520	66.78		
Icd Garhiharsaru					<b>0.000</b>	<b>0.00</b>		0.02		
Icd Nagpur			0.002	38.87	<b>0.002</b>	<b>38.87</b>				
Icd Patli					<b>0.000</b>	<b>0.00</b>		0.05		
Icd Sabarmati					<b>0.000</b>	<b>0.00</b>	0.00002	0.61		
Jabilant Infra Ltd Kandla			0.035	94.22	<b>0.035</b>	<b>94.22</b>				
Jaigad	0.540	5718.87	2.517	11920.74	<b>3.057</b>	<b>17639.61</b>	0.03896	456.67		
Jakhav			0.054	228.35	<b>0.054</b>	<b>228.35</b>				
Kakinada Sea			1.041	3194.22	<b>1.041</b>	<b>3194.22</b>	0.01074	80.99		
Kandla Sea	0.427	3647.08	10.909	42266.23	<b>11.336</b>	<b>45913.31</b>	0.13020	1600.87		
Karikal	0.631	7194.30	4.523	17797.64	<b>5.154</b>	<b>24991.94</b>				
Kolkata Air		0.07			<b>0.000</b>	<b>0.07</b>				
Kolkata Sea	5.329	51523.55	4.027	18444.61	<b>9.356</b>	<b>69968.16</b>	0.44514	4635.33	0.00010	1.56
Krishnapatnam	2.093	17404.63	14.117	53404.63	<b>16.210</b>	<b>70809.27</b>	0.14749	2511.73		
Magdalla Port Sea	1.046	7363.41	4.375	18307.96	<b>5.421</b>	<b>25671.37</b>	1.14222	13170.38		
Marmagoa Sea	5.421	58675.26	5.316	29656.14	<b>10.737</b>	<b>88331.41</b>	0.96707	13500.12		
Muldwarka			0.102	297.24	<b>0.102</b>	<b>297.24</b>				
Mumbai Air	0.000	0.65	0.000	0.35	<b>0.000</b>	<b>1.00</b>		0.02		
Mumbai Sea			2.458	10656.81	<b>2.458</b>	<b>10656.81</b>				
Mundra	0.921	8073.03	13.972	55032.30	<b>14.893</b>	<b>63105.33</b>				
Naliya, Bhuj			0.224	714.19	<b>0.224</b>	<b>714.19</b>				
Navlakhi			2.840	8187.98	<b>2.840</b>	<b>8187.98</b>				
Newmangalore Sea	0.017	200.35	5.735	25744.56	<b>5.752</b>	<b>25944.90</b>	0.39921	5000.06		
Nhava Sheva Sea	0.000	11.27	0.003	75.49	<b>0.004</b>	<b>86.76</b>	0.00162	23.77	0.00002	0.65
Okha	0.149	1132.54	0.547	2635.98	<b>0.696</b>	<b>3768.52</b>				
Opgs Gandhidham			0.355	804.87	<b>0.355</b>	<b>804.87</b>				
Paradip Sea	8.080	80857.49	7.918	35013.17	<b>15.998</b>	<b>115870.65</b>	0.54849	6226.49		
Pipavab(Vicyor)	0.030	197.61	1.075	4281.12	<b>1.105</b>	<b>4478.72</b>	0.08037	1414.08	0.01900	431.08
Porbandar			0.085	299.69	<b>0.085</b>	<b>299.69</b>				
Ramki Pharma City (India) Pvt			0.010	20.56	<b>0.010</b>	<b>20.56</b>				
Revdanda			0.310	1000.77	<b>0.310</b>	<b>1000.77</b>				
Sez Dahej			0.025	77.30	<b>0.025</b>	<b>77.30</b>				
Sez Mundra			15.855	60599.70	<b>15.855</b>	<b>60599.70</b>				
Tuticorin Sea			9.439	33456.02	<b>9.439</b>	<b>33456.02</b>	0.00461	87.56		
Visakhapatnam Sea	4.054	42598.34	4.597	15542.10	<b>8.651</b>	<b>58140.45</b>	0.24023	2789.81		
Unspecified					<b>0.000</b>	<b>0.00</b>				
<b>TOTAL</b>	<b>41.644</b>	<b>412300.61</b>	<b>149.309</b>	<b>590013.33</b>	<b>190.953</b>	<b>1002313.94</b>	<b>4.34648</b>	<b>54019.35</b>	<b>0.01912</b>	<b>433.29</b>

Source: DGCI &amp; S, KOLKATA

**TABLE 5.6 : PORT WISE EXPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2016-17**

( 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			0.000	2.82	0.000	2.82				
Barhni			0.006	43.32	0.006	43.32	0.014	111.88		
Borsorah	0.027	114.05	0.524	2481.68	0.550	2595.74				
Chasuapara			0.251	1248.64	0.251	1248.64				
Chengrabandha Rly.Station			0.000	1.81	0.000	1.81				
Chennai Sea			0.000	2.97	0.000	2.97			0.00002	0.19
Cochin Sea			0.000	0.17	0.000	0.17				
Dalu			0.008	38.76	0.008	38.76				
Dawki			0.116	501.04	0.116	501.04				
Delhi (Icd)				0.01	0.000	0.01				
Delhi Air					0.000	0.00		0.00		
Gangavaram Port			0.028	109.44	0.028	109.44				
Ghajadanga					0.000	0.00	0.001	9.73		
Golokgans Rly.Stn			0.002	12.00	0.002	12.00				
Gouriphanta			0.015	112.67	0.015	112.67				
Hatisar (Deosiri)			0.006	56.95	0.006	56.95				
Hili (West)			0.000	0.67	0.000	0.67				
Icd Irgur			0.000	0.03	0.000	0.03				
Icd Nagpur			0.000	1.58	0.000	1.58	0.000	0.03		
Icd Sabarmati			0.000	0.15	0.000	0.15				
Jaigad			0.005	16.87	0.005	16.87				
Jaigaon	0.000	0.39	0.033	292.47	0.033	292.86	0.032	549.20	0.0030	52.19
Jogbani			0.003	17.21	0.003	17.21	0.001	7.10		
Joynagar			0.001	4.02	0.001	4.02				
Kattupalli Port/ Tiruvallur			0.000	1.10	0.000	1.10				
Kolkata Air				0.00	0.000	0.00				
Kolkata Sea			0.000	0.74	0.000	0.74	0.000	4.79		
L C S Khunwa			0.004	35.23	0.004	35.23				
Magdalla Port Sea			0.036	109.97	0.036	109.97				
Mumbai Air				0.00	0.000	0.00		0.00		
Mundra			0.001	17.32	0.001	17.32	0.006	110.03	0.0014	165.63
Nautanwa (Sonauli)			0.118	521.59	0.118	521.59	0.006	50.95		
Nepalganj			0.030	230.15	0.030	230.15	0.004	27.91		
Nhava Sheva Sea			0.001	19.01	0.001	19.01	0.000	5.67	0.0010	87.11
Panitanki			0.448	3178.75	0.448	3178.75	0.010	60.45		
Petrapole Land			0.000	0.55	0.000	0.55	0.001	16.79		
Pipraun			0.000	0.14	0.000	0.14				
Raxaul Land	0.000	0.08	0.013	71.18	0.013	71.26	0.010	69.55		
Sutarkandi			0.094	417.39	0.094	417.39				
Tikunia			0.000	2.79	0.000	2.79				
Toothibari, Maharajganj			0.000	3.19	0.000	3.19				
Tuticorin Sea			0.000	0.34	0.000	0.34	0.000	0.29		
Visakhapatnam Sea					0.000	0.00	0.002	39.06		
Unspecified					0.000	0.00				
<b>TOTAL</b>	<b>0.027</b>	<b>114.53</b>	<b>1.746</b>	<b>9554.72</b>	<b>1.773</b>	<b>9669.25</b>	<b>0.089</b>	<b>1063.43</b>	<b>0.0054</b>	<b>305.12</b>

Source: DGCI &amp; S, KOLKATA

**TABLE 6.1: SUMMARY OF ALLOCATION OF COAL BLOCKS STAND ALLOCATED/ VESTED/UNDER CUSTODIAN/ALLOTTED UNDER AUCTION BY COMPETITIVE BIDDING RULES, 2012 & LIGNITE BLOCKS STAND ALLOCATED DURING 2016-17**

Sector	End Use	No of blocks	Geological/Extractable Reserves (Qty. in MT)
(1)	(2)	(3)	(4)
<b>A. COAL BLOCKS</b>			
Public Sector Undertakings	Power	38	8319.98
	Commercial Mining	8	966.86
	NRS	3	322.78
	Power (Auction by Competitive Bidding Rules, 2012)	13	NA
	<b>TOTAL</b>	<b>62</b>	<b>9609.62</b>
Private Companies	Power	6	318.45
	UMPP	8	3730.54
	NRS	23	586.59
	<b>TOTAL</b>	<b>37</b>	<b>4635.58</b>
ALL INDIA	Power	44	8638.43
	Commercial Mining	8	966.86
	UMPP	8	3730.54
	NRS	26	909.37
	Power (Auction by Competitive Bidding Rules, 2012)	13	NA
	<b>TOTAL</b>	<b>99</b>	<b>14245.20</b>
<b>B. LIGNITE BLOCKS</b>			
State PSU	Power	10	1033.30
	Commercial	9	462.40
	<b>Subtotal</b>	<b>19</b>	<b>1495.70</b>
Private	Power	1	44.70
	Commercial	1	7.80
	<b>Subtotal</b>	<b>2</b>	<b>52.50</b>
ALL INDIA	Power	11	1078
	Commercial	10	470.2
	<b>Grand Total</b>	<b>21</b>	<b>1548.20</b>

Note.

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks, original GR have been shown as per available data.



**Table 6.2: Yearwise and Sectorwise Allotment of Captive Coal Blocks stand allocated/vested Under Custodian excluding blocks allotted under auction by Competitive Bidding Rules, 2012 during 2016-17**

(GR in Million Tonnes)

Year of Allotment	Power		Ultra Mega Power Project		NRS		Govt. Commercial		Total	
	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(14)	(15)
1996					1	251.88			1	251.880
1998									0	0.000
2004	1	1436.00							1	1436.000
2006			2	575.00					2	575.000
2007			1	916.52					1	916.520
2008			1	100.00					1	100.000
2009			3	1339.02					3	1339.020
2010			1	800.00					1	800.000
2015	42	6808.83			24	606.51	7	364.860	73	7780.200
2016					1	50.98	1	602.000	2	652.980
2017	1	393.60							1	393.600
<b>Total</b>	<b>44</b>	<b>8638.43</b>	<b>8</b>	<b>3730.54</b>	<b>26</b>	<b>909.37</b>	<b>8</b>	<b>966.86</b>	<b>86</b>	<b>14245.20</b>

GR=Geological Reserves as estimated during allocation.

Note.

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks, original GR have been shown as per available data.

**Table 6.3: Statewise and Sectorwise Allotment of Captive Coal Blocks stand allocated/vested/ Under Custodian excluding blocks allotted under auction by Competitive Bidding Rules, 2012 during 2016-17**

(GR in Million Tonnes)

State	Power		Ultra Mega Power Project		NRS		Govt. Commercial		Total	
	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves	Coal Blocks (No.)	Geological/Extractable Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Arunachal Pradesh							1	4.79	1	4.79
Andhra Pradesh	1	45.36							1	45.36
Chhattisgarh	9	2737.550	2	1113.67	5	172.05	3	336.860	19	4360.13
Jharkhand	13	4504.330	2	1141.87	10	469.91			25	6116.11
Maharashtra	6	90.35	1	100.00	5	46.04	1	11.54	13	247.93
Madhya Pradesh	1	393.60	2	575.00	5	202.44	2	11.67	10	1182.71
Orissa	5	584.960	1	800.00			1	602.00	7	1986.96
West Bengal	9	282.28			1	18.93			10	301.21
<b>Total</b>	<b>44</b>	<b>8638.43</b>	<b>8</b>	<b>3730.54</b>	<b>26</b>	<b>909.37</b>	<b>8</b>	<b>966.86</b>	<b>86</b>	<b>14245.20</b>

Note.

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks, original GR have been shown as per available data.

**TABLE 6.4: COAL PRODUCTION FROM CAPTIVE BLOCKS SINCE 1997-98, PROJECTION FOR XI TH FIVE YEAR PLAN AND CCO ESTIMATES**

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

**XI th Five Year Plan**

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

**XII th Five Year Plan**

2012-13	Target	17	26.80	17	11.10	3	1.00	2	0.30	39	39.20
2012-13	Achvmt	19	25.59	13	10.72	2	0.42	2	0.30	36	37.04
2013-14	Target	20	28.25	21	12.16	4	0.57	3	0.30	48	41.28
2013-14	Achvmt	22	26.81	13	11.64	3	0.73	2	0.30	40	39.49
2014-15	Target	25	37.87	14	12.69	3	1.01	4	0.30	46	51.87
2014-15	Achvmt	22	37.927	13	11.954	3	2.541	2	0.30	40	52.72

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

**COAL PRODUCTION FROM CAPTIVE BLOCKS DURING 2015-16 & 2016-17 PROJECTED ON CCO ESTIMATES**

Year	Target / Achievement	Power		NRS		Govt. Comm		Total	
		No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2015-16	Target	6	22.70	5	3.27	2	2.00	13	27.97
2015-16	Achvmt	6	25.669	4	3.154	2	2.278	12	31.101
2016-17	Target	7	N.A.	7	N.A.	2	N.A.	16	46.100
2016-17	Achvmt	7	27.381	6	5.15679	2	4.896	15	37.434

**Table - 6.5 : LIGNITE BLOCKS STAND ALLOCATED TILL 31/03/2016**

Sl. No.	State (Block)	Date of Allocation	Name of Block	Name of Allocattee	No. of Blocks	Sector	GR while allotting	End Use Project	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	Gujarat	15/12/1995	Vastan	GIPCL	1	Pub	40.0	Power	Producing
2	Gujarat	04-04-2000	Khadsaliya	GHCL	1	Pvt	7.8	Commercial	Producing
3	Gujarat	12-05-2001	Tadkeswar	GMDC	1	Pub	40.0	Commercial	Producing
4	Gujarat	30/04/2003	Mata na Madh	GMDC	1	Pub	34.0	Commercial	Producing
5	Gujarat	21/07/1973/NA	Panandhro	GMDC	1	Pub	98.0	Commercial	Producing
6	Gujarat	05.12.2001	Rajpardi /G-19 Extn (Amod)	GMDC	1	Pub	21.0	Commercial	Producing
7	Gujarat	09.03.2000	Mongrol Valia	GIPCL	1	Pub	341.7	Power	Producing
8	Gujarat	Not available	Akrimota	GMDC	1	Pub	81.0	Commercial	Non-producing
9	Gujarat	06.09.2005	Khadsaliya-II & Surka III	GIPCL	2	Pub	22.5	Power	Non-producing
10	Gujarat	5.12.2001	Surkha (North), Bhavnagar	GMDC	1	Pub	69.6	Commercial	-
<b>Gujarat Total</b>					<b>11</b>		<b>755.7</b>		
1	Rajasthan	02.11.1994	Giral	RSSML	1	Pub	101.9	Commercial	Producing
2	Rajasthan	25.08.2001	Matasukh	RSMML	1	Pub	16.9	Commercial	Producing
3	Rajasthan	25.08.001	Kasnau Igjya	RSMML	1	Pub		Commercial	Producing
4	Rajasthan	06.09.2004	Soneri	RSMML	1	Pub		42.6	Power
5	Rajasthan	01.07.2005	Gurha(W)	RSMML	1	Pub	37.5	Power	Non-producing
6	Rajasthan	01.07.2005	Gurha(E)	V.S Lig	1	Pvt	44.7	Power	Producing
7	Rajasthan	13.11.2006	Kapurdih	RRVPL	1	Pub	92.0	Power	Producing
8	Rajasthan	13.11.2006	Jalipa	RSMML	1	Pub	316.3	Power	Non-producing
9	Rajasthan	13.11.2006	Shivkar-Kurla	RSMML	1	Pub	112.0	Power	Non-producing
10	Rajasthan	13.11.2006	Sachcha Sauda	RSMML	1	Pub	28.7	Power	Non-producing
<b>Total</b>					<b>10</b>		<b>792.5</b>		
<b>Grand Total</b>					<b>21</b>		<b>1548.2</b>		

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

**Table - 6.6 : Statewise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated during 2016-17**

Sl.No.	Block allocated	Schedule	No. of blocks	State where the block is located	Extractable Reserves (in MT)	Date of Allotment	Mode of allocation	Name of the party	Type of Company (PSU(S)/PSU(C)/private)	End-Use Plant
(1)	(2)	(3)	(4)	(5)		(7)	(8)	(9)	(10)	(11)
1	Tadicherla-I	III	1	Telangana	45.36	31.08.15	Allotted	Telangana State Power Generation Corpn. Ltd.	PSU(S)	Power
<b>TOTAL TELANGANA POWER</b>			<b>1</b>		<b>45.36</b>					
2	Gare Palma Sector-I	III	1	CH	194.00	14.09.15	Allotted	Gujarat State Electricity Corporation Limited	PSU(S)	Power
3	Talaipalli	III	1	CH	861.25	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
4-5	Gidhmuri & Paturia	III	2	CH	257.83	13.10.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
6	Parsa	III	1	CH	184.26	08.09.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
7	Gare Pelma Sector II	III	1	CH	655.15	31.08.15	Allotted	Maharashtra State Power Generation Co Ltd	PSU(S)	Power
8-9	Parsa East & Kanta Basan	II	2	CH	450.97	31.03.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
10	Gare Palma Sector-III	III	1	CH	134.09	14.09.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
<b>TOTAL CHHATTISGARH POWER</b>			<b>9</b>		<b>2737.55</b>					
11	Gare-Palma- IV/4	II	1	CH	12.30	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
12	Gare-Palma-IV/7	II	1	CH	52.98	23.03.15	Vested	Monnet Ispat & Energy Limited	P	NRS
13	Gare-Palma-IV/5	II	1	CH	42.43	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
14	Chotia	II	1	CH	18.49	23.03.15	Vested	Bharat Aluminium Company Ltd.	P	NRS
15	Gare Palma IV/8	III	1	CH	45.85	22.04.15	Vested	Ambuja Cements Ltd.	P	NRS
<b>TOTAL CHHATTISGARH NRS</b>			<b>5</b>		<b>172.05</b>					
16	Tokisud North	II	1	JH	51.97	23.03.15	Vested	Essar Power MP Ltd.	P	Power
17	Jitpur	III	1	JH	65.54	22.04.15	Vested	Adani Power Ltd.	P	Power
18	Ganeshpur	III	1	JH	91.80	22.04.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
19-20	Chatti Bariatu, Chatti Bariatu South	III	2	JH	390.96	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
21	Saharpur Jamarpani	III	1	JH	524.00	13.08.15	Allotted	UP Rajya Vidyut Utpadan Nigam Ltd.	PSU(C)	Power
22	Pachwara Central	II	1	JH	239.75	31.03.15	Allotted	Punjab State Power Corp. Ltd.	PSU(S)	Power
23	Badam	III	1	JH	90.50	31.08.15	Allotted	Bihar State Power Generation Co. Ltd.	PSU(S)	Power
24	Pachwara North	II	1	JH	392.75	31.03.15	Allotted	WBPDCL	PSU(S)	Power
25	Rajbar E&D	III	1	JH	526.05	30.06.15	Allotted	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
26	Banhardih	III	1	JH	553.00	30.06.15	Allotted	Jharkhand Urja Utpadan Nigam Ltd.	PSU(S)	Power
27	Kerandari	III	1	JH	142.01	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
<b>TOTAL JHARKHAND POWER</b>			<b>12</b>		<b>3068.33</b>					
28	Moitra	III	1	JH	29.91	22.04.15	Vested	JSW Steel Ltd.	P	NRS
29-30	Brinda & Sasai	III	2	JH	25.40	22.04.15	Vested	Usha Martin Ltd	P	NRS
31	Meral	III	1	JH	12.67	22.04.15	Vested	Trimula Industries Ltd.	P	NRS
32	Parbatpur Central	II	1	JH	50.98	23.03.16	Allotted	Steel Authority of India Ltd	PSU(C)	NRS
33	Lohari		1	JH	9.05	22.04.15	Vested	Araanya Mines Private Ltd.	P	NRS
34	Kauthatia	II	1	JH	23.96	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
35	Dumri	III	1	JH	46.14	22.04.15	Vested	Hindalco Industries Ltd.	P	NRS
36	Sitanala	III	1	JH	19.92	31.08.15	Allotted	Steel Authority of India Ltd.	PSU(C)	NRS
<b>TOTAL JHARKHAND NRS</b>			<b>9</b>		<b>218.03</b>					
37-42	Baranj - I, II, III, IV, Kiloni & Manora Deep	II	6	MH	90.35	31.03.15	Allotted	Karnataka Power Corporation Ltd	PSU(S)	Power
<b>TOTAL MAHARASHTRA POWER</b>			<b>6</b>		<b>90.35</b>					

Contd.....

**Table - 6.6 : Statewise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated during 2016-17**

Sl.No.	Block allocated	Schedule	No. of blocks	State where the block is located	Extractable Reserves (in MT)	Date of Allotment	Mode of allocation	Name of the party	Type of Company (PSU(S)/PSU@/private)	End -Use Plant
(1)	(2)	(3)	(4)	(5)		(7)	(8)	(9)	(10)	(11)
43	Marki Mangli III	II	1	MH	3.58	17.04.15	Vested	B.S. Ispat Ltd.	P	NRS
44	Nerad Malegaon	III	1	MH	10.62	22.04.15	Vested	Indrajit Power Pvt. Ltd.	P	NRS
45	Marki Mangli-I	II	1	MH	9.78	30.09.15	Vested	Topworth Urja and Metals Ltd.	P	NRS
46	Belgaon	II	1	MH	7.14	23.03.15	Vested	Sunflag Iron and Steel Co. Ltd	P	NRS
47	Majra	III	1	MH	14.92	30.09.15	Vested	Jaypee Cement Corporation Ltd.	P	NRS
<b>TOTAL MAHARASHTRA NRS</b>			<b>5</b>		<b>46.04</b>					
48	Amelia	I	1	MP	393.60	17.01.17	Allocated	THDC India Limited (JV of Govt. of India & Govt. of U.P.)	PSU(C)	Power
<b>TOTAL MADHYAPRADESH POWER</b>			<b>1</b>		<b>393.60</b>					
49	Sial Ghogri	II	1	MP	5.69	23.03.15	Vested	Reliance Cement Company Pvt. Ltd.	P	NRS
50	Mandla North	II	1	MP	84.00	23.03.15	Vested	Jaiprakash Associates Ltd	P	NRS
51	Amelia (North)	II	1	MP	70.28	23.03.15	Vested	Jaiprakash Power Ventures Ltd.	P	NRS
52	Bicharpur	II	1	MP	29.12	23.03.15	Vested	UltraTech Cement Ltd.	P	NRS
53	Mandla South	III	1	MP	13.35	22.04.15	Vested	Jaypee Cement Corporation Ltd.	P	NRS
<b>TOTAL MADHYAPRADESH NRS</b>			<b>5</b>		<b>202.44</b>					
54	Talabira-I	II	1	Orissa	10.79	23.03.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
55	Dulanga	III	1	Orissa	152.05	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
56-57	Manoharpur & Dipside of Manoharpur	III	2	Orissa	152.12	31.08.15	Allotted	Odisha Coal & Power Ltd.	PSU(S)	Power
58	Naini	III	1	Orissa	270.00	13.08.15	Allotted	The Singareni Collieries Co. Ltd.	PSU(C)	Power
<b>TOTAL ORISSA POWER</b>			<b>5</b>		<b>584.96</b>					
59	Baitarni West	I	1	Orissa	602.00	29.09.16	Allotted	Odisha Mining Corporation Ltd.	PSU(S)	Commercial
<b>TOTAL ORISSA COMMERCIAL</b>			<b>1</b>		<b>602.00</b>					
60	Trans Damodar	II	1	WB	47.32	23.03.15	Vested	The Durgapur Projects Ltd.	P	Power
61	Sarshatolli	II	1	WB	51.03	23.03.15	Vested	CESC Ltd.	P	Power
62	Barjora (North)	II	1	WB	56.57	31.03.15	Allotted	WBPDCCL	PSU(C)	Power
63	Khagra Joydev	II	1	WB	103.80	31.03.15	Allotted	Damodar Valley Corporation	PSU(C)	Power
64-65	Tara (East) and Tara (West)	II	2	WB	11.06	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
66-67	Gangaramchak & Gangaramchak	II	2	WB	11.05	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
68	Barjora	II	1	WB	1.45	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
<b>TOTAL WEST BENGAL POWER</b>			<b>9</b>		<b>282.28</b>					
69	Ardhagram	II	1	WB	18.93	14.07.19	Vested	OCL Iron & Steel Ltd.	P	NRS
<b>TOTAL WEST BENGAL NRS</b>			<b>1</b>		<b>18.93</b>					
<b>TOTAL</b>			<b>69</b>		<b>8461.92</b>					

Note.

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks, original GR have been shown as per available data.

**Table - 6.7 : Sectorwise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated during 2016-17**

Sl.No.	Block allocated	Schedule	No. of blocks	State where the block is located	Extractable Reserves (in MT)	Date of Allotment	Mode of allocation	Name of the party	Type of Company (PSU(S)/PSU/private)	End -Use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Gare Palma IV/4	II	1	CH	12.30	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
2	Gare Palma IV/7	II	1	CH	52.98	23.03.15	Vested	Monnet Ispat & Energy Limited	P	NRS
3	Gare Palma IV/5	II	1	CH	42.43	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
4	Chotia	II	1	CH	18.49	23.03.15	Vested	Bharat Aluminium Company Ltd.	P	NRS
5	Gare Palma IV/8	III	1	CH	45.85	22.04.15	Vested	Ambuja Cements Ltd.	P	NRS
6	Moitra	III	1	JH	29.91	22.04.15	Vested	JSW Steel Ltd.	P	NRS
7-8	Brinda & Sasai	III	2	JH	25.40	22.04.15	Vested	Usha Martin Ltd	P	NRS
9	Meral	III	1	JH	12.67	22.04.15	Vested	Trimula Industries Ltd.	P	NRS
10	Lohari		1	JH	9.05	22.04.15	Vested	Araanya Mines Private Ltd.	P	NRS
11	Kathautia	II	1	JH	23.96	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
12	Dumri	III	1	JH	46.14	22.04.15	Vested	Hindalco Industries Ltd.	P	NRS
13	Marki Mangli III	II	1	MH	3.58	17.04.15	Vested	B.S. Ispat Ltd.	P	NRS
14	Nerad Malegaon	III	1	MH	10.62	22.04.15	Vested	Indrajit Power Pvt. Ltd.	P	NRS
15	Marki Mangli-I	II	1	MH	9.78	30.09.15	Vested	Topworth Urja and Metals Ltd.	P	NRS
16	Belgaon	II	1	MH	7.14	23.03.15	Vested	Sunflag Iron and Steel Co. Ltd	P	NRS
17	Majra	III	1	MH	14.92	30.09.15	Vested	Jaypee Cement Corporation Ltd.	P	NRS
18	Sial Ghogri	II	1	MP	5.69	23.03.15	Vested	Reliance Cement Company Pvt. Ltd.	P	NRS
19	Mandla North	II	1	MP	84.00	23.03.15	Vested	Jaiprakash Associates Ltd	P	NRS
20	Amelia (North)	II	1	MP	70.28	23.03.15	Vested	Jaiprakash Power Ventures Ltd.	P	NRS
21	Bicharpur	II	1	MP	29.12	23.03.15	Vested	UltraTech Cement Ltd.	P	NRS
22	Mandla South	III	1	MP	13.35	22.04.15	Vested	Jaypee Cement Corporation Ltd.	P	NRS
23	Ardhagram	II	1	WB	18.93	14.07.19	Vested	OCL Iron & Steel Ltd.	P	NRS
<b>TOTAL PRIVATE NRS</b>			<b>23</b>		<b>586.59</b>					
24	Tokisud North	II	1	JH	51.97	23.03.15	Vested	Essar Power MP Ltd.	P	Power
25	Jitpur	III	1	JH	65.54	22.04.15	Vested	Adani Power Ltd.	P	Power
26	Ganeshpur	III	1	JH	91.80	22.04.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
27	Talabira-I	II	1	OR	10.79	23.03.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
28	Trans Damodar	II	1	WB	47.32	23.03.15	Vested	The Durgapur Projects Ltd.	P	Power
29	Sarshatolli	II	1	WB	51.03	23.03.15	Vested	CESC Ltd.	P	Power
<b>TOTAL PRIVATE POWER</b>			<b>6</b>		<b>318.45</b>					
30	Parbatpur Central	II	1	JH	50.98	23.03.16	Allotted	Steel Authority of India Ltd	PSU(C)	NRS
31	Sitanala	III	1	JH	19.92	31.08.15	Allotted	Steel Authority of India Ltd.	PSU(C)	NRS
<b>TOTAL PSU NRS</b>			<b>2</b>		<b>70.90</b>					
32	Talaipalli	III	1	CH	861.25	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
33-34	Chatti Bariatu, Chatti Bariatu South	III	2	JH	390.96	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
35	Saharpur Jamarpani	III	1	JH	524.00	13.08.15	Allotted	UP Rajya Vidyut Utpadan Nigam Ltd.	PSU(C)	Power
36	Dulanga	III	1	OR	152.05	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
37	Naini	III	1	OR	270.00	13.08.15	Allotted	The Singareni Collieries Co. Ltd.	PSU(C)	Power
38	Barjora (North)	II	1	WB	56.57	31.03.15	Allotted	WBPDC	PSU(C)	Power

**Table - 6.7 : Sectorwise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated during 2016-17**

Sl.No.	Block allocated	Schedule	No. of blocks	State where the block is located	Extractable Reserves (in MT)	Date of Allotment	Mode of allocation	Name of the party	Type of Company (PSU(S)/PSU©/private)	End –Use Plant
(1)	(2)	(3)	(4)	(5)		(7)	(8)	(9)	(10)	(11)

Contd.....

39	Khagra Joydev	II	1	WB	103.80	31.03.15	Allotted	Damodar Valley Corporation	PSU(C)	Power
40	Tadicherla-I	III	1	Telangana	45.36	31.08.15	Allotted	Telangana State Power Generation Corpn. Ltd.	PSU(S)	Power
41	Gare Palma Sector-I	III	1	CH	194.00	14.09.15	Allotted	Gujarat State Electricity Corporation Limited	PSU(S)	Power
42-43	Gidhmuri & Paturia	III	2	CH	257.83	13.10.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
44	Parsa	III	1	CH	184.26	08.09.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
45	Gare Pelma Sector II	III	1	CH	655.150	31.08.15	Allotted	Maharashtra State Power Generation Co Ltd	PSU(S)	Power
46-47	Parsa East & Kanta Basan	II	2	CH	450.97	31.03.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
48	Gare Palma Sector-III	III	1	CH	134.09	14.09.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
49	Pachwara Central	II	1	JH	239.75	31.03.15	Allotted	Punjab State Power Corp. Ltd.	PSU(S)	Power
50	Badam	III	1	JH	90.50	31.08.15	Allotted	Bihar State Power Generation Co. Ltd.	PSU(S)	Power
51	Pachwara North	II	1	JH	392.75	31.03.15	Allotted	WBPDC	PSU(S)	Power
52	Rajbar E&D	III	1	JH	526.05	30.06.15	Allotted	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
53	Banhardih	III	1	JH	553.00	30.06.15	Allotted	Jharkhand Urja Utpadan Nigam Ltd.	PSU(S)	Power
54-59	Baranj – I, II, III, IV, Kiloni & Manora Deep	II	6	MH	90.35	31.03.15	Allotted	Karnataka Power Corporation Ltd	PSU(S)	Power
60-61	Manoharpur & Dipside of Manoharpur	III	2	OR	152.12	31.08.15	Allotted	Odisha Coal & Power Ltd.	PSU(S)	Power
62-63	Tara (East) and Tara (West)	II	2	WB	11.06	31.03.15	Allotted	WBPDC	PSU(S)	Power
64-65	Gangaramchak & Gangaramchak Bhadulia	II	2	WB	11.05	31.03.15	Allotted	WBPDC	PSU(S)	Power
66	Barjore	II	1	WB	1.45	31.03.15	Allotted	WBPDC	PSU(S)	Power
67	Kerandari	III	1	JH	142.01	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
68	Amelia	I	1	MP	393.60	17.01.17	Allotted	THDC India Limited (JV of Govt. of India & Govt. of U.P.)	PSU(C)	Power
<b>TOTAL PSU POWER</b>			<b>37</b>		<b>6883.98</b>					
69	Baitarni West	I	1	OR	602.00	29.09.16	Allotted	Odisha Mining Corporation Ltd.	PSU(S)	Commercial
<b>TOTAL PSU COMMERCIAL</b>			<b>1</b>		<b>602.00</b>					
<b>ALL TOTAL</b>			<b>69</b>		<b>8461.92</b>					

Note.

GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks, original GR have been shown as per available data.



**Table - 6.8 : Coal Blocks allotted under Auction by competitive Bidding Rules,2012**

Sl. No.	Name of block	State	Name of Successful Bidder/Allottee	Allotted/ Vested	Date of allotment	Specified EUP
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Kente Extn	Chattisgarh	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	Allotted	31.03.2015	Power
2	Tentuloi	Odisha	Odisha Thermal Power Corp Ltd	Allotted	31.03.2015	Power
3	Gondbahera-Ujjeni	Madhya Pradesh	Madhya Pradesh Power Generating Company Ltd.	Allotted	31.03.2015	Power
4	Kudanali-Luburi	Odisha	NTPC Ltd. and Jammu & Kashmir State Power Development Corp Ltd	Allotted	31.03.2015	Power
5	Banai	Chattisgarh	NTPC Ltd	Allotted	31.03.2015	Power
6	Bhalumuda	Chattisgarh	NTPC Ltd	Allotted	31.03.2015	Power
7	Sarapal-Nuapara	Odisha	Andhra Pradesh Power Generation Corp Ltd	Allotted	24.02.2016	Power
8	Chandrabila	Odisha	Tamil Nadu Generation & Distribution Corp Ltd	Allotted	24.02.2016	Power
9	Mahajanwadi	Maharashtra	Madhya Pradesh Power Generation Corp Ltd	Allotted	24.02.2016	Power
10	Kalyanpur-Badalpara	Jharkhand	Haryana Power Generation Corp Ltd	Allotted	24.02.2016	Power
11	Kerwa	Chattisgarh	Kerwa Coal Limited (Joint Venture of Chhattisgarh Mineral Development Corpn. and M.P. State Mining Corporation Ltd.)	Allotted	21.07.2016	Commercial Mining
12	Brahmani	Odisha	Orissa Minerals Development Company	Allotted	21.07.2016	Commercial Mining
13	Pachwara South	Jharkhand	M/s. Neyveli Uttar Pradesh Power Limited (JV of NLC India Limited CPSU and Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited SPSU)	Allotted	03.10.2016	Power

**Table - 6.9 : List of coal blocks under Custodian during 2016-17**

Sl.No.	Block allocated	No. of blocks	State where the block is located	Geological/Extractable Reserves (in MT)	Name of the party	Type of Company (PSU(S)/PSU©/private)	End –Use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Namchik Namphuk	1	ArP	4.79	Chairman, CIL (Custodian)	PSU(C)	Commercial
2-3	Gare-Palma-IV/2 & IV/3	2	CH	178.86	Chairman, CIL (Custodian)	PSU(C)	Commercial
4	Gare-Palma-IV/1	1	CH	158.00	Chairman, CIL (Custodian)	PSU(C)	Commercial
<b>TOTAL CHHATTISGARH</b>		<b>3</b>		<b>336.86</b>			
5	Marki Mangli-II	1	MH	11.54	Chairman, CIL (Custodian)	PSU(C)	Commercial
6	Gotitoria (East)	1	MP	5.146	Chairman, CIL (Custodian)	PSU(C)	Commercial
7	Gotitoria (West)	1	MP	6.527	Chairman, CIL (Custodian)	PSU(C)	Commercial
<b>TOTAL MADHYAPRADESH</b>		<b>2</b>		<b>11.67</b>			
8	Ardhagram	1	WB	18.93	DC-OCL IRON AND STEEL LTD.	P	NRS
<b>TOTAL</b>		<b>8</b>		<b>383.793</b>			

**NOTE :-** GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan. Extractable Reserve (in MT) have been shown against the newly Allocated/Vested coal blocks as per CM(SP) Act, 2015, as per the data available in this office. For other blocks, original GR have been shown as per available data.

**Table - 6.10 : List of coal blocks not cancelled by Hon'ble Supreme Court**

Sl.No.	Block allocated	No. of blocks	State where the block is located	Geo-logical Reserves (in MT)	Date of Allotment	Name of the party	Type of Company (PSU(S)/PSU@private)	End -Use Plant
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Pindrakhi	1	CH	421.51	09.09.09	Akaltara Power Ltd.	P	UMPP
2	Putra Parogia	1	CH	692.16	09.09.09	Akaltara Power Ltd.	P	UMPP
<b>TOTAL CHHATTISGARH UMPP</b>		<b>2</b>		<b>1113.6700</b>				
3	Pakri-Barwadiah	1	JH	1436.00	11.10.04	NTPC	PSU(C)	Power
<b>TOTAL JHARKHAND POWER</b>		<b>1</b>		<b>1436.000</b>				
4	Tasra	1	JH	251.88	26.02.96	Steel Authority of India Ltd.	PSU(C)	NRS
<b>TOTAL JHARKHAND NRS</b>		<b>1</b>		<b>251.880</b>				
5	Kerandari BC	1	JH	916.52	20.07.07	Power Finance Corporation Talaiy UMPP Jharkhand	P	UMPP
6	Mourya	1	JH	225.35	26.06.09	Karanpura Energy Ltd.(SPV of JSEB)	P	UMPP
<b>TOTAL JHARKHAND UMPP</b>		<b>2</b>		<b>1141.87</b>				
7	Bhivkund	1	MH	100.00	17.07.08	MAHAGENCO	P	UMPP
<b>TOTAL MAHARASHTRA UMPP</b>		<b>1</b>		<b>100.00</b>				
8-9	Moher, Moher-Amlori Extn.	2	MP	575.00	13.09.06	Power Finance Corporation Sasan UMPP	P	UMPP
<b>TOTAL MADHYAPRADESH UMPP</b>		<b>2</b>		<b>575.00</b>				
10	Bankui	1	OR	800.00	21.06.10	Sakshigopal Integrated Power Co Ltd.	P	UMPP
<b>TOTAL ODISHA UMPP</b>		<b>1</b>		<b>800.00</b>				
<b>TOTAL</b>		<b>10</b>		<b>5418.4200</b>				

**Note:** GR quantities are GR value as available with this office (as per MP/Status Report/Allocation letter etc.) and subject to change for few blocks with approval of Mine Plan.

# 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)

iii) **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. (JSMDCCL) 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
NTPC	National Thermal Power Corporation Limited
RCCPL	Reliance Cement Company Private Limited
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