



सत्यमेव जयते



# PROVISIONAL COAL STATISTICS

## अंतरिम कोयला सांख्यिकी

2017 - 2018

भारत सरकार  
कोयला मंत्रालय  
कोयला नियंत्रक का कार्यालय  
कोलकाता

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



# **PROVISIONAL COAL STATISTICS 2017-18**

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

## **Provisional Coal Statistics 2017-18**

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 2017-18** 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  
December, 2018



( Anjani Kumar )  
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# Highlights

## (A) Production

In the year 2017-18, total production of raw coal in India was 675.400 MT whereas it was 657.868 MT in 2016-17, showing a growth of 2.66% over the previous year. In the year 2017-18, production of lignite was 46.255 MT against 45.230 MT in 2016-17, showing a growth of 2.27% over the year 2016-17. [Ref : table 2.1]

1. The contribution of public sector and private sector in the production of raw coal in 2017-18 was as follows: [Ref : table 2.10]

Production of Raw Coal in 2017-18 (MT)			
Sector	Coking	Non Coking	Total Coal
Public	33.923	607.851	641.774
Private	6.224	27.402	33.626
All India	40.147	635.253	675.400

2. In the year 2017-18, production of coking coal was 40.147 MT whereas it was 61.661 MT in 2016-17, showing a significant decrease of 34.89% over the previous year. However, in 2017-18, production of non-coking coal was 635.253 MT against 596.207 MT in 2016-17, showing a growth of 6.55% over the previous year 2016-17. [Ref Table: 2.10].
3. In the year 2017-18, production of washed coal (coking) was 5.973 MT against 6.414 MT in 2016-17, thus decreased by 6.9% over 2016-17. In 2017-18, production of middling (coking) was 3.812 MT against 4.598 MT in 2016-17, thus decreased by 17.1% over 2016-17. [Ref Table: 2.3]
4. In the year 2017-18, Odisha registered highest coal production of 143.328 MT (21.2%) followed by Chhattisgarh 142.546 MT (21.1%), Jharkhand 123.296 MT (18.3%) and Madhya Pradesh 112.127 MT (16.6%). In 2017-18, Tamil Nadu was the largest producer of lignite and produced 23.569 MT (51.0%) followed by Gujarat 13.392 MT (29.0%) and Rajasthan 9.294 MT (20.1%). [Ref Table: 2.6 & 2.7]
5. In the year 2017-18, Coal India Limited produced 567.366 MT (84.0%) and SCCL 62.010 MT (9.2%) of coal. In that year main producer of lignite was Neyveli Lignite Corporation and produced 25.153 MT (54.5%). [Ref Table: 2.10]
6. Like previous years in the year 2017-18, Jharkhand was the highest producer of coking coal and produced 38.767 MT which was 96.6% of total coking coal production of 40.147 MT. As the highest non-coking coal producing state, Odisha produced 143.328 MT (22.6 %) followed by Chhattisgarh 142.364 MT (22.4%) and Madhya Pradesh 111.947 (17.6%). [Ref Table: 2.8]
7. In the year 2017-18, 93.7% of coal production in India was from opencast mines (632.770 MT) and the rest 6.3% was from underground mines (42.630 MT). [Ref Table:-2.15]. SECL was the highest producer

of coal from underground mines and produced 14.461 MT (32.9%) followed by ECL 8.603 MT (20.2%) and SCCL 8.310 MT (19.5%). [Ref Table: 2.16]

8. Productivity (OMS) of opencast mines in 2017-18 was 14.11 Tonnes for CIL and 13.73 Tonnes for SCCL. OMS for underground mines of CIL was 0.86 Tonnes and for SCCL it was 1.08 Tonnes. OMS is the output measured in tonnes per unit of man-shift. [Ref table: 2.18]
9. Overall stripping ratio for the year 2017-18 was 2.73. Stripping ratio is defined as the ratio of over burden removal to coal produced in open cast mining. [Ref table 2.19]

## **(B) Despatch**

1. In the year 2017-18, despatch of indigenous raw coal was 687.831 MT against 645.978 MT in 2016-17, thus increased by 6.48% over 2016-17. In this year despatch of lignite was 45.929 MT against 43.155 MT in 2016-17, increased by 6.43% over 2016-17. [Ref table : 3.1]
2. The contribution of public sector and private sector in the despatch of raw coal in 2017-18 was as follows: [Ref table : 3.8]

Despatch of Raw Coal in 2017-18 (MT)			
Sector	Coking	Non-coking	Total Coal
Public	39.167	615.367	654.534
Private	6.213	27.084	33.297
All India	45.380	642.451	687.831

3. In the year 2017-18, despatch of coking coal significantly decreased from 59.308 MT in 2016-17 to 45.380 MT in 2017-18, showing a decrease by 23.5% in 2017-18. [Ref: Table 3.8 ]
4. In the year 2017-18, despatch of non-coking coal was 642.451 MT whereas it was 586.670 MT in 2016-17, thus increased by 9.5% over 2016-17. [Ref table : 3.8]
5. In the year 2017-18, despatch of washed coal (coking) was 5.995 MT against 6.515 MT in 2016-17, decreased by 8% over 2016-17. In 2017-18, despatch of middling (coking) was 4.213 MT against 4.525 MT in 2016-17, decreased by 6.9% over 2016-17. [Ref table : 3.3]
6. In the year 2017-18, major quantity of coal was despatched from Chhattisgarh 146.656 MT (21.3%) followed by Odisha 138.538 MT (20.1%), Jharkhand 126.564 MT (18.4%), Madhya Pradesh 97.377 MT (14.2%) and Telangana 62.890 MT (9.1%). [Ref table : 3.6]
7. In case of lignite despatch, Tamil Nadu had the highest share of 23.398 MT (50.9%) followed by Gujarat 13.390 MT (29.2%) and Rajasthan 9.141 MT (19.9%). [Ref table : 3.7]
8. Out of the total despatch of raw coal in the year 2017-18, despatch of CIL was 579.571 MT (84.3%) and SCCL 62.890 MT (9.1%). Among the other PSUs, maximum coal was despatched by RRVUNL 8.329 MT. Despatch of coal from private sector was 33.297 MT in which SPL had the largest share of 17.961 MT followed by TISCO 6.213 MT. [Ref table : 3.8]
9. Power Sector continued to be the largest user of coal. In 2017-18, coal despatched to power sector was 576.190 MT (83.8%) compared to 535.044 MT in 2016-17. In 2017-18, other than power sector coal was

mainly dispatched to steel sector 10.773 MT, Cement 7.698 MT, Sponge Iron 8.507 MT etc. details are available in table 3.14.

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

1. Pit-head closing stock of raw coal at the end of 2017-18 was 60.984 MT against 76.889 MT at the end of 2016-17. Closing Stock of lignite at the end of 2017-18 was 7.210 MT whereas it was 6.883 MT at the end of 2016-17. Out of total closing stock at the end of 2017-18, share of public sector was 59.979 MT. [Ref table: 4.3]

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

1. In the year 2017-18, total import of coal was 208.273 MT compared to 190.953 MT in 2016-17, thus increased by 9.1% over 2016-17. In 2017-18, import of coking coal was 47.003 MT whereas it was 41.644 MT in 2016-17, increased by 12.9% over 2016-17. Import of non-coking coal was 161.269 MT in 2017-18 compared to 149.309 MT in 2016-17, increased by 8.0% over 2016-17. [Ref table : 5.1]
2. In the year 2017-18, coal was mainly imported from Indonesia (95.814 MT), Australia (46.145 MT), South Africa (38.493 MT), USA (12.032 MT), Russia (4.297 MT) and Mozambique (5.914 MT) [Ref table : 5.3]
3. In the year 2017-18, so far port wise import of coal was concerned, import was mainly through Paradip Sea (19.823 MT), Mundra (19.698 MT), Krishnapatnam (18.845 MT), Gangavaram (16.505 MT), Kandla Sea (12.825 MT), Vishakhapatnam (11.918 MT), (Dhamra Chandbali (11.866 MT), etc. [Ref table : 5.5]
4. In the year 2017-18, export of coal was 1.503 MT compared to 1.773 MT in 2016-17. Coal was mainly exported to Bangladesh (0.758 MT) and Nepal (0.696 MT). [Ref table : 5.4]
5. Coal was mainly exported through Borsorah port (0.568 MT), Panitanki (0.438 MT). [Ref table :5.6]

### **(E) Captive Coal block**

In the year 2017-18, the total production of raw coal from captive coal blocks in India was 41.260 MT compared to 37.867 MT in 2016-17. In 2017-18, despatch of coal from captive coal blocks was 41.821 MT compared to 36.446 MT in 2016-17. [Ref table 2.12 and 3.10]

### **(G) Geological Coal Reserve**

As per Geological Survey of India, geological reserves of coal in India as on 01.04.2018 was 3,19,020 Million Tonnes. The type wise break-up of coal reveals that reserve of coking coal (prime, medium and semi-coking) was 34,523 Million Tonnes and non-coking coal was 2,84,497 Million Tonnes.

Total coal extracted since 1950 up to 2017-18 was around 15117.221 Million Tonnes.

## Introductory Note

1.1 Provisional Coal Statistics 2017-18 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 2017-18, 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 2017-18.

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	557.707	46.598	55.212	514.555	569.767	46.312
	Final	51.582	504.82	556.402	46.453	55.859	511.277	567.136	46.313
	Change (F-P)	-0.49%	-0.21%	-0.23%	-0.31%	1.17%	-0.64%	-0.46%	0.00%
2013-14	Provisional	56.818	508.948	565.766	44.271	58.302	512.949	571.251	43.897
	Final	56.818	508.947	565.765	44.271	58.464	513.596	572.06	43.897
	Change (F-P)	0.00%	0.00%	0.00%	0.00%	0.28%	0.13%	0.14%	0.00%
2014-15	Provisional	57.451	554.984	612.435	48.257	56.614	551.016	607.63	46.941
	Final	57.446	551.733	609.179	48.27	56.438	547.334	603.772	46.954
	Change (F-P)	-0.01%	-0.59%	-0.53%	0.03%	-0.31%	-0.67%	-0.63%	0.03%
2015-16	Provisional	60.887	578.347	639.234	43.843	59.213	572.956	632.169	42.212
	Final	60.887	578.343	639.23	43.842	59.213	573.229	632.442	42.211
	Change (F-P)	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%	0.04%	0.00%
2016-17	Provisional	61.661	601.131	662.792	45.230	59.545	590.774	650.319	43.155
	Final	61.661	596.207	657.868	45.230	59.308	586.670	645.978	43.155
	Change (F-P)	0.00%	-0.82%	-0.74%	0.00%	-0.40%	-0.69%	-0.67%	0.00%
2017-18	Provisional	40.147	635.253	675.400	46.255	45.380	642.451	687.831	45.929
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 2017-18, apart from providing data on production, despatch and stock of coal and lignite in India for the year 2017-18 also provides data on coal reserves in India as on 01-04-2018, import and export of coal, performance of captive mining etc. during 2017-18.

1.4 In this report of 2017-18, 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 2017-18 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	01/04/2016 *	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>3,15,148</b>
	01/04/2018 *	1,48,787	1,39,164	31,068	<b>3,19,020</b>
Lignite	01/04/2016	6,182	26,373	12,039	<b>44,595</b>
	01/04/2017	6,541	26,014	12,143	<b>44,698</b>
	01/04/2018	6,541	26,389	12,734	<b>45,664</b>

\* Including Sikkim 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 2017-18, coal production in India reached 675.400 MT and registered a growth of 2.66% over the last year. During this period production of lignite reached 46.255 MT registering a growth of 2.27% over the last year. Statement 3A shows domestic production of coal in 2017-18 by Public and Private Sectors.

Company	Coal Production (2017-18) [MT]		
	Coking	Non-coking	Total
CIL	33.277	534.089	<b>567.366</b>
SCCL	-	62.010	<b>62.010</b>
Other Public	0.646	11.752	<b>12.398</b>
Total Public	33.923	607.851	<b>641.774</b>
Total Private	6.224	27.402	<b>33.626</b>
<b>All India</b>	<b>40.147</b>	<b>635.253</b>	<b>675.400</b>

1.8 It can be seen that Coal India Limited alone accounted for 84.00% of coal production in the country and share of SCCL was 9.18%. Share of public sector was 95.02% and that of private sector was 4.98%. 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 (21.43%), MCL (21.18%) and NCL (13.77%). These three subsidiary companies of CIL collectively accounted for 56.38% of total coal production at all India level and 67.11% of production by CIL group.

Company	Coal Production (2017-18) [MT]		
	Coking	Non-coking	Total
ECL	0.034	43.534	<b>43.568</b>
BCCL	23.304	9.303	<b>32.607</b>
CCL	9.577	53.828	<b>63.405</b>
NCL	0.000	93.018	<b>93.018</b>
WCL	0.180	46.040	<b>46.220</b>

SECL	0.182	144.527	<b>144.709</b>
MCL	0.000	143.058	<b>143.058</b>
NEC	0.000	0.781	<b>0.781</b>
<b>CIL</b>	<b>33.277</b>	<b>534.089</b>	<b>567.366</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 (94.06%). and 5.94% was coking coal.

1.10 From Table 2.2 it can be seen that in the year 2017-18 production of coking coal decreased by 34.89% over the year previous year 2016-17 whereas non-coking coal production increased by 6.55% over the previous year.

1.11 Statement 4 shows coal production in India during 2017-18 by states. It may be observed that the four major states were Odisha (21.22%), Chhattisgarh (21.11%), Jharkhand (18.26%) and Madhya Pradesh (16.60%). These four states together contributed about 77.18% of the total coal production in the country.

States	Coal Production (2017-18) [MT]		
	Coking	Non Coking	Total
Arunachal Pradesh		0	<b>0</b>
Assam		0.781	<b>0.781</b>
Chhattisgarh	0.182	142.364	<b>142.546</b>
Jammu & Kashmir		0.014	<b>0.014</b>
Jharkhand	38.767	84.529	<b>123.296</b>
Madhya Pradesh	0.180	111.947	<b>112.127</b>
Maharashtra		42.219	<b>42.219</b>
Meghalaya		1.529	<b>1.529</b>
Odisha		143.328	<b>143.328</b>
Telangana		62.010	<b>62.010</b>
Uttar Pradesh		18.309	<b>18.309</b>
West Bengal	1.018	28.223	<b>29.241</b>
<b>All India</b>	<b>40.147</b>	<b>635.253</b>	<b>675.400</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 2017-18 production from opencast mining was 632.770 MT which accounted for 93.69% of the total coal production and the rest 42.630 MT i.e. 6.31% was from the 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 88.03% in 2008-09 to 93.69% in 2017-18.

1.13 It can be seen from Table 2.3 that production of coal products decreased from 45.065 MT in the year 2016-17 to 40.221 MT in the year 2017-18. Out of total coal products in 2017-18, production of washed coal (coking) was 5.973 MT and washed coal (non-coking) was 16.599 MT.

1.14 Table 2.13 and 2.14 show details of coal production by type (coking and non-coking) and grade by each company for the year 2017-18.

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 2017-18, the stripping ratio at all India level was 2.73, the corresponding figure for the year 2016-17 was 2.65. Stripping ratio of CIL for 2017-18 was 2.19 and 2.21 in the year 2016-17. In the year 2017-18, stripping ratio for the public sector as a whole was 2.66 and for the private sector it was 4.23. In case of CIL companies, NEC reported the highest stripping ratio of 10.09 against coal production (OC) of 0.778 MT whereas MCL reported the lowest stripping ratio of 0.97 against coal production (OC) of 142.017 MT.

1.16 Output per man shift (OMS) is one of the measures of efficiency in coal production. Statement 5 shows OMS in respect of type of

mines i.e. OC and UG for the year 2016-17 and 2017-18 for two major players in the public sectors namely CIL and SCCL. From Table 2.17 it can be seen that OMS for CIL in respect of open cast mining has shown an increasing trend in last ten years which increased from 8.95 in 2008-09 to 15.35 in 2015-16 and decreased thereafter to 14.11 in 2017-18. In case of SCCL it increased from 10.60 in 2008-09 to 13.26 in 2011-12 and thereafter dropped to 11.10 in 2013-14. However, it showed upward trend again to 13.85 in 2016-17 and again dropped to 13.73 in 2017-18. Further details on the issue can be seen from the table 2.18.

Type of Mining	Company	Year	
		2016-17	2017-18
OC	CIL	15.00	14.11
	SCCL	13.85	13.73
UG	CIL	0.80	0.86
	SCCL	1.18	1.08
<b>Overall</b>	<b>CIL</b>	<b>7.48</b>	<b>7.72</b>
	<b>SCCL</b>	<b>4.74</b>	<b>4.89</b>

1.17 In Table 2.1 it is shown that production of lignite in the year 2017-18 was 46.255 MT whereas it was 45.230 MT in 2016-17 showing a growth of 2.27% over the previous year. It can also be seen that while coal production registered an increase of 37.07% in the year 2017-18 in comparison to the year 2008-09, the corresponding increase in lignite production was 42.67%. Statement 6 shows production of lignite by different companies in 2016-17 and 2017-18. In the year 2017-18, three major producing companies with share in total production were NLC (54.38%), GMDCL (22.08%) and BLMCL (13.54%).

Statement 6: Lignite Production (MT) in India by Company in 2016-17 and 2017-18		
Company	2016-17	2017-18
NLC	27.617	25.153
GMDCL	7.652	10.212
GIPCL	2.816	3.123
RSMML	0.549	1.019
GHCL	0.078	0.057
VS LPPL	0.508	0.426
BLMCL	6.010	6.265
<b>ALL INDIA</b>	<b>45.230</b>	<b>46.255</b>

### Despatch

1.18 In the year 2017-18, despatch of raw coal was 687.831 MT against 645.978 MT in the year 2016-17, thus resulting a growth of 6.48% over the previous year.

1.19 Statement 7 shows despatch of coal by different companies in the year 2017-18. It can be seen that Coal India Limited alone accounted for 84.26% of overall coal despatch in the country, while share of SCCL in coal despatch was 9.14%. The contribution of the private sector was 4.84%. In CIL group of companies, share of SECL in all India coal despatch during 2017-18 was 21.97%, NCL 20.10% and NCL 14.01%. These three subsidiary companies of CIL collectively accounted for 56.07% of raw coal despatch in all India level.

Statement 7: Coal Despatch in India by company-2017-18			
Company	Coal Despatch (2017-18) [MT]		
	Coking	Non-coking	Total
ECL	0.039	43.395	<b>43.434</b>
BCCL	24.165	9.138	<b>33.303</b>
CCL	13.966	53.543	<b>67.509</b>

NCL		96.333	<b>96.333</b>
WCL	0.279	48.464	<b>48.743</b>
SECL	0.303	150.789	<b>151.092</b>
MCL		138.262	<b>138.262</b>
NEC		0.895	<b>0.895</b>
<b>CIL</b>	<b>38.752</b>	<b>540.819</b>	<b>579.571</b>
<b>SCCL</b>		62.890	62.890
Other Public	0.415	11.658	<b>12.073</b>
<b>Total Public</b>	<b>39.167</b>	<b>615.367</b>	<b>654.534</b>
<b>Total Private</b>	<b>6.213</b>	<b>27.084</b>	<b>33.297</b>
<b>ALL INDIA</b>	<b>45.380</b>	<b>642.451</b>	<b>687.831</b>

1.20 Statement 8 shows details of off-take of raw coal in India in the year 2017-18 by different sectors of economy. Analysis of total off-take by different sector shows that power sector accounted for 83.74% of total raw coal off-take. Further details are shown in Table 3.14.

Statement 8: Off-take of Raw Coal in India in 2017-18 by Sector	
Sector	Off-take [MT]
Power (Utility)	504.719
Power (Captive)	71.471
Steel	10.773
Steel (Boilers)	0.722
Cement	7.698
Fertilizers	1.883
Sponge Iron	8.507
Other basic-Metal	1.975
Chemical	0.277
Pulp & Paper	1.510
Textiles & Rayons	0.236
Bricks	0.114
Others	77.946
<b>Total Despatches</b>	<b>687.831</b>
Colliery Consumption	0.240
<b>Total off-take</b>	<b>688.071</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 2017-18

1.22 From Statement 9 it can be seen that despatch as well as off-take of lignite in the year 2017-18 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.

Sector	Off-take (2017-18) [MT]
Power (Utility)	23.445
Power (Captive)	14.897
Steel	0.213
Cement	1.421
Fertiliser	0.001
Other Basic Metal	0.170
Chemical	0.447
Pulp & Paper	0.831
Textiles & Rayons	2.457
Bricks	0.380
Others	1.556
Total Despatch	45.818
Colliery Consumption	0
<b>Total Off-take</b>	<b>45.818</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 31-03-2018 of coal and lignite was 60.984 MT and 7.210 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 2008-09 till 2011-12, however, for the year 2012-13 and 2013-14, it showed decreasing trend. Thereafter it again showed increasing trend till 2016-17 and decreased again in 2017-18. In case of lignite, closing stock has been showing upward trend since the year 2010-11.

Year	Pit Head Closing Stock [MT]	
	Raw Coal	Lignite
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	76.889	6.883
2017-18	60.984	7.210

1.25 Statement 11 shows pit head closing stock of coal of CIL- subsidiaries, SCCL and others as on 31-03-2017 and 31-03-2018. It can be seen that in 2017-18, CIL registered a decrease of 18.88% in its Pit head closing stock of coal. In the CIL Group, there was significant decline in closing stock in case of SECL and NCL whereas there was significant increase of closing stock in MCL. There was also 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.

Company	As on	
	31-03-2017	31-03-2018
(1)	(2)	(3)
<b>COAL :</b>		
ECL	2.553	2.496
BCCL	6.199	5.416
CCL	17.574	13.469
NCL	7.195	3.441
WCL	14.142	11.614
SECL	14.342	7.947
MCL	6.387	11.178
NEC	0.183	0.069

Statement 11: Company wise Pit Head Closing Stock (MT) of Coal in India		
Company	As on	
	31-03-2017	31-03-2018
(1)	(2)	(3)
<b>CIL</b>	<b>68.575</b>	<b>55.630</b>
SCCL	7.481	3.869
Others Public	0.159	0.480
<b>Total Public</b>	<b>76.215</b>	<b>59.979</b>
<b>Total Private</b>	<b>0.674</b>	<b>1.005</b>
<b>ALL INDIA</b>	<b>76.889</b>	<b>60.984</b>
<b>LIGNITE :</b>		
Statement 12: Company wise Pit Head Closing Stock (MT) of Lignite in India		
	As on	
	31-03-2017	31-03-2018
(1)	(2)	(3)
NLC	6.612	6.784
GMDCL	0	0
GIPCL	0	0
GHCL	0.012	0.014
RSMML	0	0
VSLPPL	0.062	0.062
BLMCL	0.197	0.350
<b>TOTAL</b>	<b>6.883</b>	<b>7.210</b>

### Import & Export

1.26 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.

1.27 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.

1.28 In the year 2017-18 import of raw coal of the country was 208.273 MT (in value 1384770 Million Rupees) against import of 190.953 MT (in value 1002314 Million Rupees) in 2016-17. Thus in the year 2017-18, import of coal increased by 9.07% 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 2017-18		
Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	47.003	595226
Non-Coking	161.269	789543
<b>Total</b>	<b>208.273</b>	<b>1384770</b>

It can be seen that the share of coking coal in the total quantity was 22.57% which in value terms accounted for 42.98% of the total.

1.29 Statement 14 shows source major country wise import of coal in India in 2017-18. It can be seen that Indonesia with 46.0% share (95.814 MT) remained the leading supplier of coal to India followed by Australia 22.16% (46.145 MT) and South Africa 18.48% (38.493 MT). These three countries together accounted for 86.77% of the total import to India during the year 2017-18.



Statement 14: Source Country-Wise Import of Coal to India during 2017-18		
Country	Quantity[MT]	Share
Indonesia	95.814	46.00 %
Australia	46.145	22.16%
South Africa	38.493	18.48%
USA	12.032	5.78%
Mozambique	5.914	2.84%
Russia	4.297	2.06%
Canada	3.562	1.71%
Others	2.016	0.97%
<b>Total</b>	<b>208.273</b>	<b>100%</b>

1.30 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 2017-18		
Country	Quantity [MT]	% Share
Australia	35.761	76.08%
Canada	3.301	7.02%
USA	3.285	6.99%
Mozambique	2.382	5.07%
Indonesia	1.086	2.31%
New Zealand	0.602	1.28%
Others	0.586	1.25%
<b>Total</b>	<b>47.003</b>	<b>100%</b>

Statement 16: Source Country-Wise Import of Non-Coking Coal to India during 2017-18		
Country	Quantity [MT]	Share
Indonesia	94.728	58.74%
South Africa	38.489	23.87%
Australia	10.384	6.44%
USA	8.746	5.42%
Russia	3.909	2.42%
Mozambique	3.532	2.19%
Others	1.481	0.92%
<b>Total</b>	<b>161.269</b>	<b>100.00%</b>

1.31 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
2013-14	53.980	58.464	36.872	0.008
2014-15	55.460	56.438	43.715	0.042
2015-16	77.000	59.213	43.561	0.064
2016-17	56.620	59.308	41.644	0.027
2017-18	63.17	45.380	47.003	0.068

Statement 18: Demand*, Despatch, Import and Export of Non-coking Coal of India [MT]				
Year	Demand*	Despatch	Import	Export
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	586.670	149.309	1.746
2017-18	845.230	642.451	161.269	1.435

\*Source: Annual Plan, MOC

1.32 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 2017-18 (Statement 19). It can be seen from the statement that coal was exported mainly to Bangladesh was 0.758 MT (50.43%) followed by Nepal 0.696 MT (46.31%).

Statement 19: Export of Coal by India to different countries during 2017-18		
Country	Quantity [MT]	% Share
Bangladesh PR	0.758	50.43%
Nepal	0.696	46.31%
Bhutan	0.045	2.99%
Others	0.004	0.27%
<b>Total</b>	<b>1.503</b>	<b>100.00%</b>

1.33 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 2017-18		
Country	Quantity [MT]	% Share
Nepal	0.068	100
<b>Total</b>	<b>0.068</b>	<b>100</b>

Statement 21: Export of Non-Coking Coal from India to different countries during 2017-18		
Country	Quantity [MT]	Share
Bangladesh PR	0.758	52.82%
Nepal	0.628	43.76%
Bhutan	0.044	3.07%
Others	0.005	0.35%
<b>Total</b>	<b>1.435</b>	<b>100.00%</b>

### Captive Coal Blocks

1.34 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.

1.36 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]

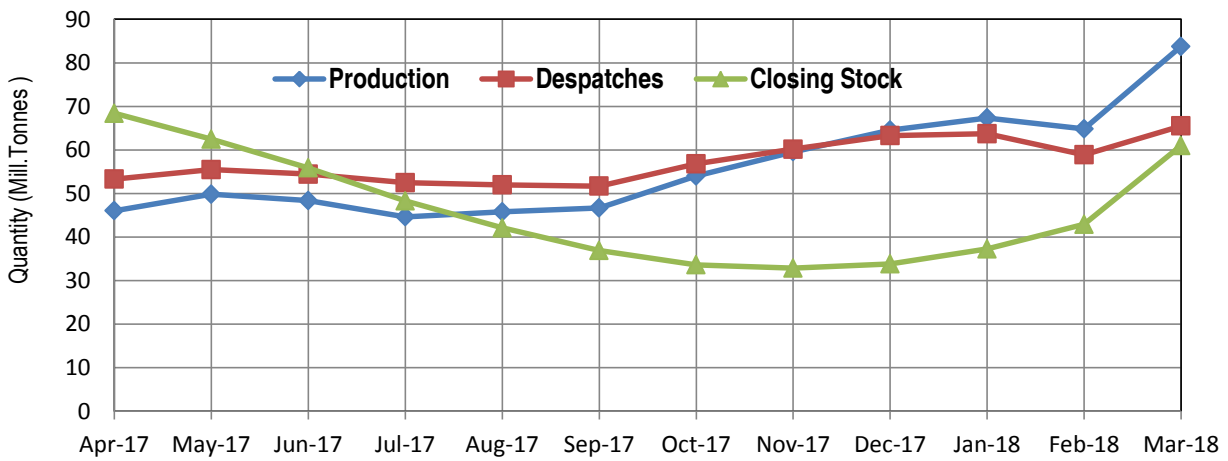
1.37 In 2017-18 Marki Mangli I captive coal block of Topworth Urja & Metals Ltd. started coal production. Another 14 coal blocks vested/ allotted including 3 blocks under CIL as custodian produced coal. From these total 18 coal blocks production of coal was 41.620 MT in 2017-18.

1.38 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.

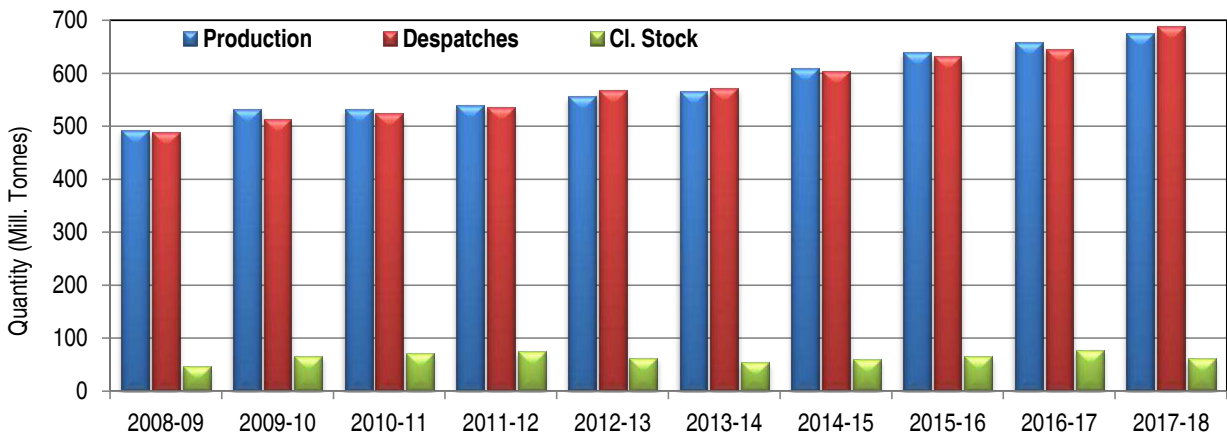
1.39 In 2017-18 CMDPA of 5 coal blocks have been terminated.

1.40 Therefore, as on 31.03.2018, numbers of coal blocks stand exist was 107 (vested/ allotted - 77 + Custodian - 7 + Under Auction by Competitive Bidding Rules, 2012-13 and blocks not cancelled - 10).

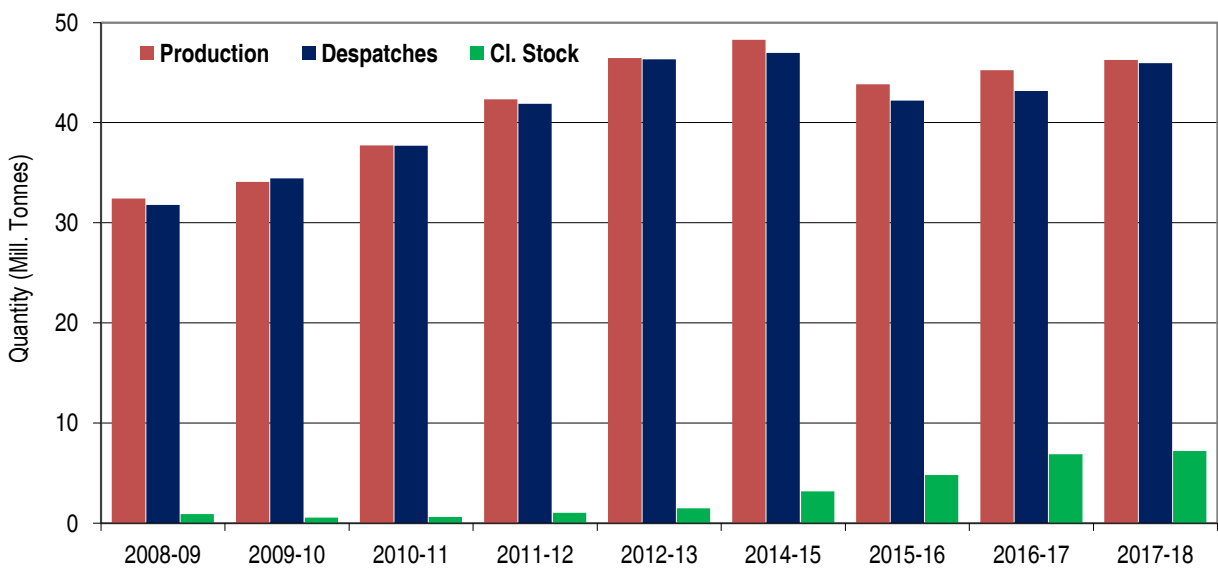
**Chart-I : MONTH-WISE RAW COAL PRODUCTION, DESPATCHES & STOCK IN INDIA, 2017-18**



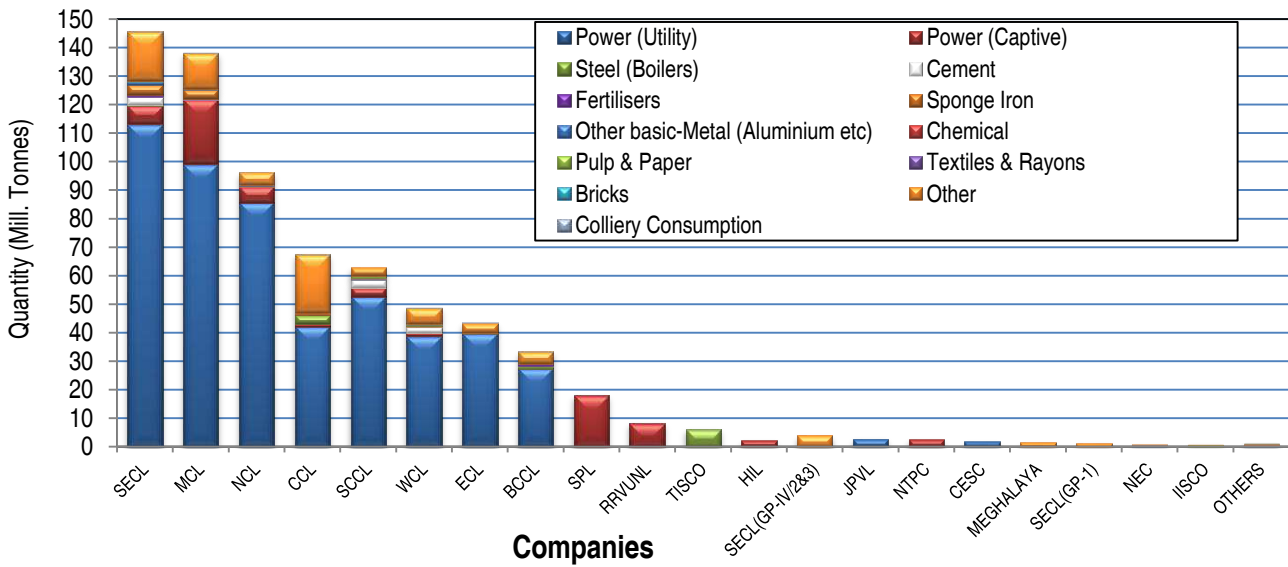
**Chart-II : RAW COAL PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS**



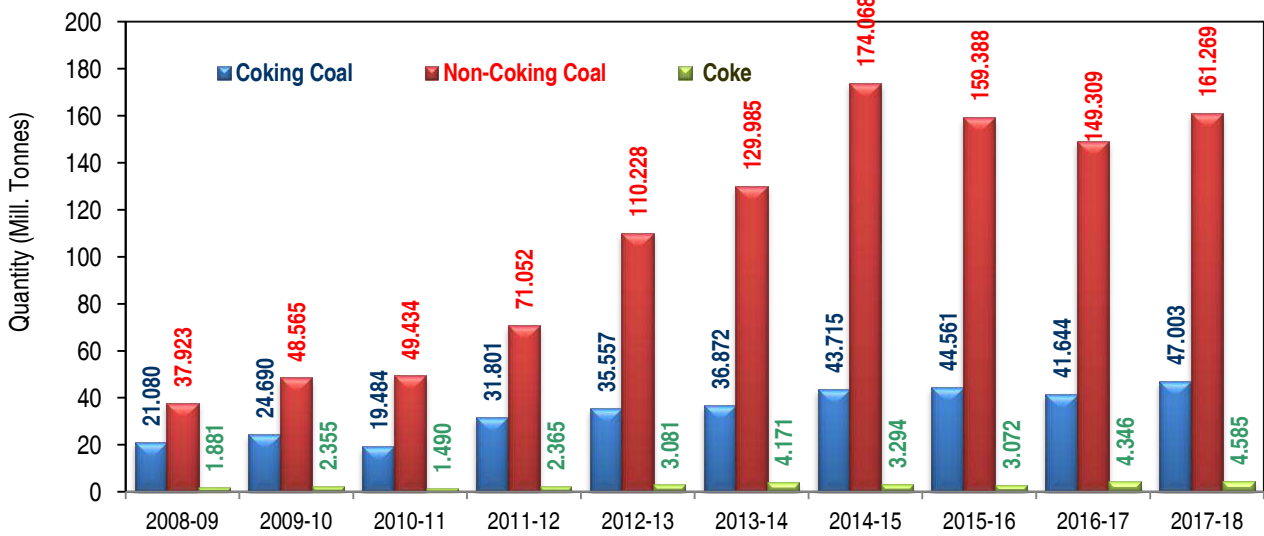
**Chart-III : LIGNITE PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS**



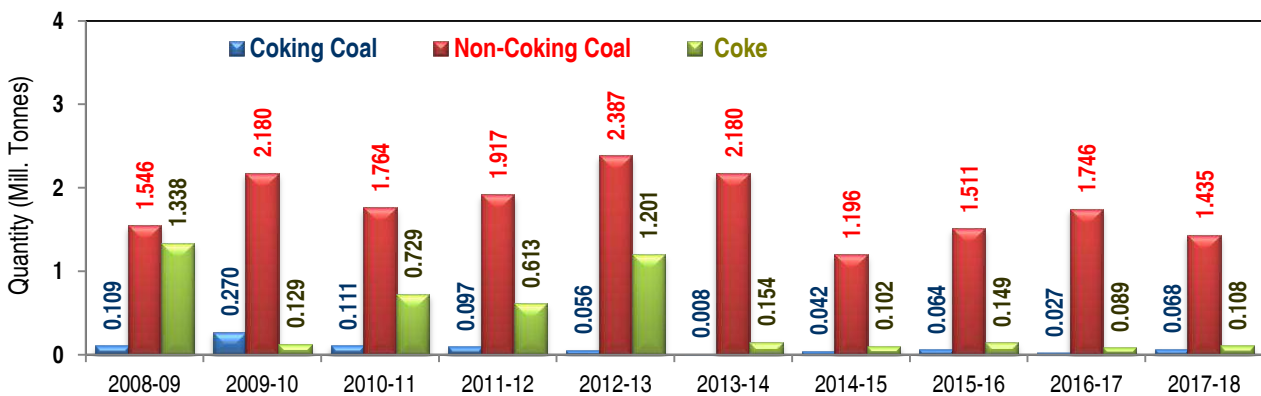
**Chart -IV : Sectorwise Despatches of Raw Coal from different companies in 2017-18**



**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: 2017-18**

(Quantity in MillionTonnes)

Sector	Demand ( BE )	Actual Supply			Achievement
		Indigenous	Import	Total	
<b>I. Coking Coal</b>					
1 Steel / Coke Oven/ Private Cokeries	13.05	11.33		11.33	
2 Import	50.12		47.00	47.00	
<b>Sub Total (Raw Coal)</b>	<b>63.17</b>	<b>11.33</b>	<b>47.00</b>	<b>58.33</b>	<b>92.3%</b>
<b>II. Non Coking Coal</b>					
3 Power (Utilities)	622.96	504.72		504.72	81.0%
4 Power (Captive) [CPP]*	90.34	73.35		73.35	81.2%
5 Cement	22.32	7.70		7.70	34.5%
6 Sponge Iron	24.61	8.51		8.51	34.6%
7 Others	85.00	83.22		83.22	97.9%
8 Coll. Consumption		0.24		0.24	-
<b>Sub-total (Raw Coal)</b>	<b>845.23</b>	<b>677.74</b>	<b>161.27</b>	<b>839.01</b>	<b>99.3%</b>
<b>III. Total Raw Coal Offtake</b>	<b>908.40</b>	<b>689.07</b>	<b>208.27</b>	<b>897.34</b>	<b>98.8%</b>

Note:

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

2 Import of Coal (Provisional) for the year 2017-18 (Source DGCI&amp;S)

\* CPP includes despatch to Fertilizer Sector.

**Table 1.2: Supply Plan of Indigenous Coal - Sourcewise in 2017-18**

(Quantity in MillionTonnes)

Source of Supply	Supply Plan (BE)	Actual supply	Achievement
1 ECL	47.00	43.629	92.8%
2 BCCL	40.50	33.327	82.3%
3 CCL	72.00	67.510	93.8%
4 NCL	89.00	96.772	108.7%
5 WCL	48.50	48.748	100.5%
6 SECL*	153.00	151.103	98.8%
7 MCL	149.30	138.266	92.6%
8 NEC	0.70	0.895	127.9%
<b>9 Total CIL</b>	<b>600.00</b>	<b>580.250</b>	<b>96.7%</b>
10 SCCL	62.00	62.890	101.4%
11 <b>Others</b>	68.10	45.925	67.4%
<b>All India Indigenous Coal Supply</b>	<b>730.10</b>	<b>689.065</b>	<b>94.4%</b>
* Including 1.301 from GP=IV/1 and 4.053 from GP-IV/2&3			
Total Coal Supply / Availability	BE (2017-18)	Actual	Achievement
a. Demand	908.40	897.34	98.8%
b. Indegenous Supply	730.10	689.07	94.4%
c. Materialisation through Import	178.30	208.27	116.8%
d. Total Supply/ Availability	908.40	897.34	98.8%
e. Overall Demand - Supply Gap	0	11	

Demand &amp; Supply Plan is as per Annual Plan 2017-18 of MOC.



**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 Cokeries/												
<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 2016-17 & 2017-18**  
(Quantity in Million Tonnes)

Availability (within India)	2016-17	2017-18	Supply (within India)	2016-17				2017-18			
				Raw Coal	Lignite	Imported Coal	Total	Raw Coal	Lignite	Imported Coal	Total
<b>(A) Production</b>			Sectors								
Coking Coal	61.661	40.147									
Non-coking Coal	596.207	635.253									
Lignite	45.230	45.230	Steel & Washery	10.336	0.035	41.644	<b>52.015</b>	11.495	0.213	47.003	<b>58.711</b>
<b>Total</b>	<b>703.098</b>	<b>720.630</b>	Power (Utility+Captive)	535.044	38.824	N.A.	<b>573.868</b>	576.190	38.342	N.A.	<b>614.532</b>
<b>(B) Change of Vendible Stock (Closing - Opening)</b>			Cement	6.356	0.291	N.A.	<b>6.647</b>	7.698	1.421	N.A.	<b>9.119</b>
Coking Coal	2.441	-5.114	Textile	0.243	1.292		<b>1.535</b>	0.236	2.457		<b>2.693</b>
Non-coking Coal	9.087	-10.791	Sponge Iron	5.557	0.038		<b>5.595</b>	8.507			<b>8.507</b>
Lignite	2.074	0.327	Fertilizer & Chem.	2.447	0.196		<b>2.643</b>	2.160	0.448		<b>2.608</b>
<b>Total Change (Cl - Op)</b>	<b>13.602</b>	<b>-15.578</b>	Paper	1.181	0.526		<b>1.707</b>	1.510	0.831		<b>2.341</b>
<b>(C) Import</b>			Brick	0.099	0.415		<b>0.514</b>	0.114	0.380		<b>0.494</b>
Coking Coal	41.644	47.003	Others	84.715	1.538	149.309	<b>235.562</b>	79.921	1.726	161.269	<b>242.916</b>
Non-coking Coal	149.309	161.269	Colliery Consmn.	0.289			<b>0.289</b>	0.240			<b>0.240</b>
<b>Total Raw Coal</b>	<b>190.953</b>	<b>208.273</b>	<b>Total Off-take</b>	<b>646.267</b>	<b>43.155</b>	<b>190.953</b>	<b>880.375</b>	<b>688.071</b>	<b>45.818</b>	<b>208.273</b>	<b>942.162</b>
<b>(D) Export</b>			Statistical Difference				<b>-1.699</b>				<b>0.816</b>
<b>(E) Total Availability</b>	<b>878.676</b>	<b>942.978</b>	<b>Total Supply</b>				<b>878.676</b>				<b>942.978</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 : 2008-09 to 2017-18 (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)
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	657.868	190.953	1.773	189.180	65.361	76.889	11.528	858.576
	Lignite	45.230	0.019	0.005	0.014	4.809	6.883	2.074	47.318
	Total	703.098	190.972	1.778	189.194	70.170	83.772	13.602	905.894
2017-18	Coal	675.400	208.273	1.503	206.770	76.889	60.984	-15.905	866.265
	Lignite	45.230	0.010	0.004	0.006	6.883	7.210	0.327	45.563
	Total	720.630	208.283	1.507	206.776	83.772	68.194	-15.578	911.828

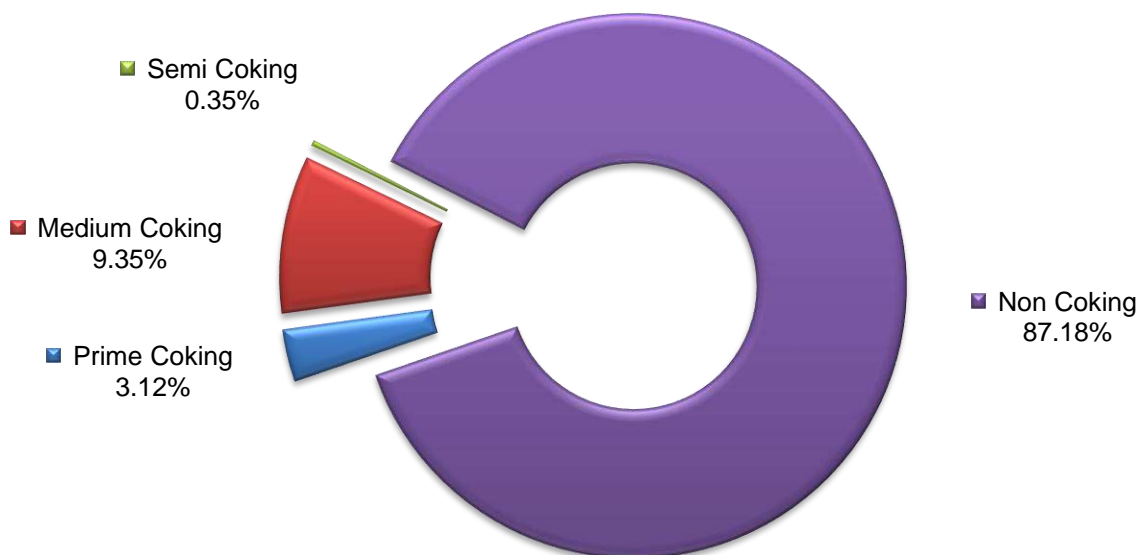
Note: Total Primary Supply is estimated as sum of indigenous production, Net Import & Stock Change.

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 2016, 2017 & 2018**

Type of Coal	As on	Reserve (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)
Prime Coking	01/04/2016	4,614	699	0.00	<b>5,313</b>
	01/04/2017	4,614	699	0.00	<b>5,313</b>
	01/04/2018	4,649	664	0.00	<b>5,313</b>
Medium Coking	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>
	01/04/2018	13,914	11,709	1,879	<b>27,502</b>
Blendable / Semi Coking	01/04/2016	482	1,004	222	<b>1,708</b>
	01/04/2017	519	995	193	<b>1,708</b>
	01/04/2018	519	995	193	<b>1,708</b>
Non Coking (Including High Sulphur )	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>
	01/04/2018	1,29,705	1,25,796	28,995	<b>2,84,497</b>
<b>Total</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>3,15,148</b>
	<b>01/04/2018 *</b>	<b>1,48,787</b>	<b>1,39,164</b>	<b>31,068</b>	<b>3,19,020</b>

**DISTRIBUTION OF PROVED RESERVE OF COAL IN INDIA AS ON 01/04/2018**



\* Including Sikkim

Source: Geological Survey of India

**TABLE - 1.7: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2016, 2017 & 2018**

(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	1/4/2016	0	14	0	<b>14</b>	Arunachal Pradesh	1/4/2016	31	40	19	<b>90</b>
Assam	1/4/2017	0	14	0	<b>14</b>	Assam	1/4/2016	465	43	3	<b>511</b>
Assam	1/4/2018	0	14	0	<b>14</b>	Assam	1/4/2017	465	43	3	<b>511</b>
Andhra Pradesh	1/4/2016	0	1,149	432	<b>1,581</b>	Assam	1/4/2018	465	43	3	<b>511</b>
Andhra Pradesh	1/4/2017	0	1,149	432	<b>1,581</b>	Meghalaya	1/4/2016	89	17	471	<b>576</b>
Andhra Pradesh	1/4/2018	0	1,149	432	<b>1,581</b>	Meghalaya	1/4/2017	89	17	471	<b>576</b>
Jharkhand	1/4/2016	42,323	32,301	6,548	<b>81,172</b>	Meghalaya	1/4/2018	89	17	471	<b>576</b>
Jharkhand	1/4/2017	44,341	31,876	6,223	<b>82,440</b>	Nagaland	1/4/2016	9	0	307	<b>315</b>
Jharkhand	1/4/2018	45,563	31,439	6,150	<b>83,152</b>	Nagaland	1/4/2017	9	0	402	<b>410</b>
Bihar	1/4/2016	0	0	160	<b>160</b>	Nagaland	1/4/2018	9	0	402	<b>410</b>
Bihar	1/4/2017	0	0	1,354	<b>1,354</b>	Tertiary Coalfields	1/4/2016	594	99	799	<b>1,493</b>
Bihar	1/4/2018	161	813	392	<b>1,367</b>	Tertiary Coalfields	1/4/2017	594	99	895	<b>1,588</b>
Madhya Pradesh	1/4/2016	10,918	12,696	3,293	<b>26,907</b>	Tertiary Coalfields	1/4/2018	594	99	895	<b>1,588</b>
Madhya Pradesh	1/4/2017	11,269	12,760	3,645	<b>27,673</b>	<b>INDIA</b>	<b>1/4/2016</b>	<b>1,38,087</b>	<b>1,39,151</b>	<b>31,564</b>	<b>3,08,802</b>
Madhya Pradesh	1/4/2018	11,958	12,154	3,875	<b>27,987</b>	<b>INDIA</b>	<b>1/4/2017</b>	<b>1,43,058</b>	<b>1,39,311</b>	<b>32,779</b>	<b>3,15,148</b>
Chhattisgarh	1/4/2016	19,136	34,614	2,287	<b>56,036</b>	<b>INDIA</b>	<b>1/4/2018</b>	<b>1,48,787</b>	<b>1,39,164</b>	<b>31,069</b>	<b>3,19,020</b>
Chhattisgarh	1/4/2017	19,997	34,462	2,202	<b>56,661</b>	Singrimari coalfield of Assam (Non-Coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.					
Chhattisgarh	1/4/2018	20,428	34,576	2,202	<b>57,206</b>						
Maharashtra	1/4/2016	6,208	3,151	2,077	<b>11,436</b>						
Maharashtra	1/4/2017	7,038	3,158	2,063	<b>12,259</b>						
Maharashtra	1/4/2018	7,178	3,074	2,048	<b>12,299</b>						
Odisha	1/4/2016	34,295	33,284	8,318	<b>75,896</b>						
Odisha	1/4/2017	34,810	34,060	8,415	<b>77,285</b>						
Odisha	1/4/2018	37,391	34,165	7,739	<b>79,295</b>						
Sikkim	1/4/2016	0	58	43	<b>101</b>						
Sikkim	1/4/2017	0	58	43	<b>101</b>						
Sikkim	1/4/2018	0	58	43	<b>101</b>						
Uttar Pradesh	1/4/2016	884	178	0	<b>1,062</b>						
Uttar Pradesh	1/4/2017	884	178	0	<b>1,062</b>						
Uttar Pradesh	1/4/2018	884	178	0	<b>1,062</b>						
Telangana	1/4/2016	10,128	8586	2700	<b>21,415</b>						
Telangana	1/4/2017	10,402	8542	2520	<b>21,464</b>						
Telangana	1/4/2018	10,475	8,576	2,651	<b>21,702</b>						
West Bengal	1/4/2016	13,602	13,021	4,907	<b>31,529</b>						
West Bengal	1/4/2017	13,723	12,954	4,990	<b>31,667</b>						
West Bengal	1/4/2018	14,156	12,869	4,643	<b>31,667</b>						
<b>Gondawana</b>	<b>1/4/2016</b>	<b>1,37,493</b>	<b>1,39,052</b>	<b>30,764</b>	<b>3,07,309</b>						
<b>Gondawana</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>						
<b>Gondawana</b>	<b>1/4/2018</b>	<b>1,48,194</b>	<b>1,39,065</b>	<b>30,174</b>	<b>3,17,433</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 2016, 2017 & 2018**

State	As on	Resources (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	<b>Total</b>
(2)	(1)	(3)	(4)	(5)	(6)
Gujarat	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>
	01-04-2018	1278.65	283.70	1159.70	<b>2722.05</b>
J & K	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>
	01-04-2018	0.00	20.25	7.30	<b>27.55</b>
Kerala	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>
	01-04-2018	0.00	0.00	9.65	<b>9.65</b>
Pondicherry	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>
	01-04-2018	0.00	405.61	11.00	<b>416.61</b>
Rajasthan	01-04-2016	1168.53	2670.84	1896.60	<b>5735.98</b>
	01-04-2017	1168.53	2670.84	1896.60	<b>5735.98</b>
	01-04-2018	1168.53	3029.78	2150.77	<b>6349.08</b>
Tamilnadu	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>
	01-04-2018	4093.53	22648.33	9392.85	<b>36134.71</b>
West Bengal	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>
	01-04-2018	0.00	1.13	2.80	<b>3.93</b>
<b>All India</b>	<b>01-04-2016</b>	<b>6,182</b>	<b>26,373</b>	<b>12,039</b>	<b>44,595</b>
	<b>01-04-2017</b>	<b>6,541</b>	<b>26,014</b>	<b>12,143</b>	<b>44,698</b>
	<b>01-04-2018</b>	<b>6,541</b>	<b>26,389</b>	<b>12,734</b>	<b>45,664</b>

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

**TABLE: 1.9 - PERCENTAGE CHANGE IN ACTUAL OVER PROVISIONAL DURING LAST SIX 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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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
	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)	0.00%	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
	Actual	61.661	596.207	<b>657.868</b>	45.230	59.308	586.670	<b>645.978</b>	43.155
	Change(A-P)	0.00%	-0.82%	<b>-0.74%</b>	0.00%	-0.40%	-0.69%	<b>-0.67%</b>	0.00%
2017-18	Provisional	40.147	635.253	<b>675.400</b>	46.255	45.380	642.451	<b>687.831</b>	45.929
	Actual								
	Change(A-P)	-100.00%	-100.00%	<b>-100.00%</b>	-100.00%	-100.00%	-100.00%	<b>-100.00%</b>	-100.00%

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)
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	657.868	2.92	45.230	3.17	703.098	2.93
2017-18	675.400	2.66	46.255	2.27	721.655	2.64

**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)
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	15.254	6.38	61.661	1.27	596.207	3.09	657.868	2.92
2017-18	12.978	-14.92	40.147	-34.89	635.253	6.55	675.400	2.66

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)
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	6.414	3.8	20.274	18.4	4.598	-16.8	0	-	13.779	-4.1
2017-18	5.973	-6.9	16.599	-18.1	3.812	-17.1	0 *	-	13.837	0.4

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 2017-18**

(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>2017-18</b>												
Apr-17	3.083	-31.3	7.7	42.963	-1.6	6.8	46.046	-4.4	6.8	2.151	8.1	4.7
Apr-17	3.037	-33.9	7.6	46.782	0.3	7.4	49.819	-2.7	7.4	3.008	-6.4	6.5
Apr-17	3.013	-32.1	7.5	45.340	-3.2	7.1	48.353	-5.7	7.2	4.143	11.7	9.0
<b>1st Quarter</b>	<b>9.133</b>	<b>-32.4</b>	<b>22.7</b>	<b>135.085</b>	<b>-1.5</b>	<b>21.3</b>	<b>144.218</b>	<b>-4.3</b>	<b>21.4</b>	<b>9.302</b>	<b>4.4</b>	<b>20.1</b>
Jul-17	2.537	-38.4	6.3	42.096	6.0	6.6	44.633	1.9	6.6	1.653	-45.4	3.6
Jul-17	2.949	-26.3	7.3	42.846	21.6	6.7	45.795	16.8	6.8	3.585	26.6	7.8
Jul-17	2.652	-35.5	6.6	44.026	16.3	6.9	46.678	11.2	6.9	4.243	8.9	9.2
<b>2nd Quarter</b>	<b>8.138</b>	<b>-33.4</b>	<b>20.3</b>	<b>128.968</b>	<b>14.4</b>	<b>20.3</b>	<b>137.106</b>	<b>9.7</b>	<b>20.3</b>	<b>9.481</b>	<b>-2.8</b>	<b>20.5</b>
Oct-17	2.867	-39.0	7.1	51.146	8.9	8.1	54.013	4.5	8.0	3.482	7.7	7.5
Oct-17	3.096	-40.3	7.7	56.477	3.8	8.9	59.573	-0.1	8.8	3.553	-2.6	7.7
Oct-17	3.808	-34.2	9.5	60.718	3.3	9.6	64.526	-0.1	9.6	4.933	8.5	10.7
<b>3rd Quarter</b>	<b>9.771</b>	<b>-37.7</b>	<b>24.3</b>	<b>168.341</b>	<b>5.1</b>	<b>26.5</b>	<b>178.112</b>	<b>1.3</b>	<b>26.4</b>	<b>11.968</b>	<b>4.7</b>	<b>25.9</b>
Jan-18	4.127	-37.2	10.3	63.240	7.5	10.0	67.367	3.0	10.0	4.930	-2.3	10.7
Jan-18	4.007	-33.5	10.0	60.815	4.9	9.6	64.822	1.3	9.6	4.646	0.7	10.0
Jan-18	4.971	-35.0	12.4	78.804	13.7	12.4	83.775	8.8	12.4	5.928	8.2	12.8
<b>4th Quarter</b>	<b>13.105</b>	<b>-35.2</b>	<b>32.6</b>	<b>202.859</b>	<b>9.0</b>	<b>31.9</b>	<b>215.964</b>	<b>4.7</b>	<b>32.0</b>	<b>15.504</b>	<b>2.4</b>	<b>33.5</b>
<b>2017-18</b>	<b>40.147</b>	<b>-34.9</b>	<b>100.0</b>	<b>635.253</b>	<b>6.5</b>	<b>100.0</b>	<b>675.400</b>	<b>2.7</b>	<b>100.0</b>	<b>46.255</b>	<b>2.3</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 2017-18**

(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>2017-18</b>															
Apr-17	0.477	7.0	8.0	0.898	-38.0	5.4	0.332	-21.9	8.7	0	-	-	1.128	-0.1	8.2
Apr-17	0.473	-1.3	7.9	1.068	-39.0	6.4	0.344	-16.5	9.0	0	-	-	1.090	-3.0	7.9
Apr-17	0.480	-0.6	8.0	1.243	-39.6	7.5	0.301	-20.6	7.9	0	-	-	1.060	-7.8	7.7
<b>1st Quarter</b>	<b>1.430</b>	<b>1.6</b>	<b>23.9</b>	<b>3.209</b>	<b>-39.0</b>	<b>19.3</b>	<b>0.977</b>	<b>-19.7</b>	<b>25.6</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>3.278</b>	<b>-3.7</b>	<b>23.7</b>
Jul-17	0.460	-3.0	7.7	1.419	-10.1	8.5	0.308	-23.0	8.1	0	-	-	1.148	-2.0	8.3
Jul-17	0.483	0.0	8.1	1.493	32.6	9.0	0.315	-14.9	8.3	0	-	-	1.204	2.0	8.7
Jul-17	0.472	-2.3	7.9	1.420	30.9	8.6	0.279	-22.5	7.3	0	-	-	1.175	4.3	8.5
<b>2nd Quarter</b>	<b>1.415</b>	<b>-1.7</b>	<b>23.7</b>	<b>4.332</b>	<b>14.3</b>	<b>26.1</b>	<b>0.902</b>	<b>-20.2</b>	<b>23.7</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>3.527</b>	<b>1.4</b>	<b>25.5</b>
Oct-17	0.458	-7.8	7.7	1.436	-6.7	8.7	0.302	-16.3	7.9	0	-	-	1.176	-1.4	8.5
Oct-17	0.505	-12.5	8.5	1.653	-9.0	10.0	0.302	-24.7	7.9	0	-	-	1.164	-0.9	8.4
Oct-17	0.520	-20.2	8.7	1.279	-29.7	7.7	0.281	-21.7	7.4	0	-	-	1.119	1.0	8.1
<b>3rd Quarter</b>	<b>1.483</b>	<b>-14.1</b>	<b>24.8</b>	<b>4.368</b>	<b>-15.6</b>	<b>26.3</b>	<b>0.885</b>	<b>-21.1</b>	<b>23.2</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>3.459</b>	<b>-0.5</b>	<b>25.0</b>
Jan-18	0.562	-10.9	9.4	1.541	-22.9	9.3	0.305	-15.3	8.0	0	-	-	1.217	0.7	8.8
Jan-18	0.536	-6.8	9.0	1.429	-23.6	8.6	0.353	-2.5	9.3	0	-	-	1.052	3.6	7.6
Jan-18	0.547	-13.7	9.2	1.720	-21.2	10.4	0.390	-4.6	10.2	0	-	-	1.304	8.8	9.4
<b>4th Quarter</b>	<b>1.645</b>	<b>-10.6</b>	<b>27.5</b>	<b>4.690</b>	<b>-22.5</b>	<b>28.3</b>	<b>1.048</b>	<b>-7.3</b>	<b>27.5</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>3.573</b>	<b>4.4</b>	<b>25.8</b>
<b>2017-18</b>	<b>5.973</b>	<b>-6.9</b>	<b>100.0</b>	<b>16.599</b>	<b>-18.1</b>	<b>100.0</b>	<b>3.812</b>	<b>-17.1</b>	<b>100.0</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>13.837</b>	<b>0.4</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	Arunachal Pradesh			Assam			Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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	138.525	21.1	6.1
2017-18	0	-	-	0.781	0.1	30.2	142.546	21.1	2.9

Year	Jammu & Kashmir			Jharkhand			Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
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	19.2	4.4	105.013	16.0	-2.5
2017-18	0.014	0.0	40.0	123.296	18.3	-2.5	112.127	16.6	6.8

Year	Maharashtra			Meghalaya			Odisha		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
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	6.2	5.8	2.308	0.4	-60.8	139.359	21.2	0.6
2017-18	42.219	6.3	4.1	1.529	0.2	-50.9	143.328	21.2	2.8

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	Telangana			Uttar Pradesh			West Bengal		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
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	61.336	9.3	1.6	16.056	2.4	26.5	27.667	4.2	7.4
2017-18	62.010	9.2	1.1	18.309	2.7	14.0	29.241	4.3	5.7

Year	ALL INDIA	
	Quantity	Growth (%)
	(42)	(43)
(41)		
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>657.868</b>	<b>2.9</b>
2017-18	<b>675.400</b>	<b>2.7</b>

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

(Quantity in Million Tonnes)

Year	Tamilnadu			Gujarat			Rajasthan		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2008-09	21.308	65.7	-1.3	10.114	31.2	-14.2	0.999	3.1	64.9
2009-10	22.338	65.6	4.8	10.526	30.9	4.1	1.207	3.5	20.8
2010-11	23.144	61.3	3.6	13.064	34.6	24.1	1.525	4.0	26.3
2011-12	24.590	58.1	6.2	14.779	34.9	13.1	2.963	7.0	94.3
2012-13	24.844	53.5	1.0	14.528	31.3	-1.7	7.081	15.2	139.0
2013-14	25.056	56.6	0.9	11.588	26.2	-20.2	7.627	17.2	7.7
2014-15	25.190	52.2	0.5	12.317	25.5	6.3	10.763	24.3	41.1
2015-16	24.227	55.3	-3.8	10.123	23.1	-17.8	9.492	21.7	-11.8
2016-17	26.204	57.9	8.2	10.546	23.3	4.2	8.480	18.7	-10.7
2017-18	23.569	51.0	-10.1	13.392	29.0	27.0	9.294	20.1	9.6

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
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
2017-18	<b>46.255</b>	2.3

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

( Quantity in Million Tonnes )

State	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)
<b>COKING</b>					
Chhattisgarh	0.125	0.126	0.135	0.110	0.182
Jharkhand	55.088	56.430	58.548	59.604	38.767
Madhya Pradesh	0.249	0.310	0.209	0.131	0.180
West Bengal	1.356	0.580	1.995	1.816	1.018
<b>Total Coking</b>	<b>56.818</b>	<b>57.446</b>	<b>60.887</b>	<b>61.661</b>	<b>40.147</b>
<b>NON-COKING</b>					
Arunachal Pradesh	0.000	0.000	0.000	0.000	0.000
Assam	0.664	0.779	0.487	0.600	0.781
Chhattisgarh	126.970	134.638	130.470	138.415	142.364
Jammu & Kashmir	0.019	0.013	0.013	0.010	0.014
Jharkhand	58.003	67.713	62.519	66.831	84.529
Madhya Pradesh	75.341	87.299	107.505	104.882	111.947
Maharashtra	37.223	38.257	38.351	40.559	42.219
Meghalaya	5.732	2.524	3.712	2.308	1.529
Odisha	112.917	123.627	138.461	139.359	143.328
Telangana	50.469	52.536	60.380	61.336	62.010
Uttar Pradesh	14.721	14.957	12.689	16.056	18.309
West Bengal	26.888	29.390	23.756	25.851	28.223
<b>Total Non-Coking</b>	<b>508.947</b>	<b>551.733</b>	<b>578.343</b>	<b>596.207</b>	<b>635.253</b>
<b>Total Coal</b>	<b>565.765</b>	<b>609.179</b>	<b>639.230</b>	<b>657.868</b>	<b>675.400</b>

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

( Quantity in Million Tonnes )

State	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)
Gujarat	11.588	12.317	10.123	10.546	13.392
Rajasthan	7.627	10.763	9.492	8.480	9.294
Tamilnadu	25.056	25.190	24.227	26.204	23.569
<b>TOTAL</b>	<b>44.271</b>	<b>48.270</b>	<b>43.842</b>	<b>45.230</b>	<b>46.255</b>

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

[Quantity in Million Tonnes]

Company	2015-16			2016-17			2017-18		
	Coking	Non-coking	Total	Coking	Non-coking	Total	Coking	Non-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.012	40.196	<b>40.208</b>	0.031	40.486	<b>40.517</b>	0.034	43.534	<b>43.568</b>
BCCL	32.648	3.213	<b>35.861</b>	32.393	4.644	<b>37.037</b>	23.304	9.303	<b>32.607</b>
CCL	20.697	40.627	<b>61.324</b>	21.988	45.059	<b>67.047</b>	9.577	53.828	<b>63.405</b>
NCL		80.224	<b>80.224</b>		84.096	<b>84.096</b>		93.018	<b>93.018</b>
WCL	0.209	44.606	<b>44.815</b>	0.131	45.501	<b>45.632</b>	0.180	46.040	<b>46.220</b>
SECL	0.135	135.521	<b>135.656</b>	0.110	134.569	<b>134.679</b>	0.182	139.973	<b>140.155</b>
SECL(GP-IV/2&3)		2.278	<b>2.278</b>		4.480	<b>4.480</b>		3.227	<b>3.227</b>
SECL(GP-IV/1)					0.844	<b>0.844</b>		1.327	<b>1.327</b>
MCL		137.901	<b>137.901</b>		139.208	<b>139.208</b>		143.058	<b>143.058</b>
NEC		0.487	<b>0.487</b>		0.600	<b>0.600</b>		0.781	<b>0.781</b>
<b>CIL</b>	<b>53.701</b>	<b>485.053</b>	<b>538.754</b>	<b>54.653</b>	<b>499.487</b>	<b>554.140</b>	<b>33.277</b>	<b>534.089</b>	<b>567.366</b>
SCCL		60.380	<b>60.380</b>		61.336	<b>61.336</b>		62.010	<b>62.010</b>
JKML		0.013	<b>0.013</b>		0.010	<b>0.010</b>		0.014	<b>0.014</b>
DVC	0.403		<b>0.403</b>	0.152		<b>0.152</b>	0.047	0.000	<b>0.047</b>
IISCO	0.558	0.169	<b>0.727</b>	0.540	0.226	<b>0.766</b>	0.415	0.378	<b>0.793</b>
SAIL			<b>0.000</b>		0.000	<b>0.000</b>	0.184	0.001	<b>0.185</b>
JSMDCL		0.190	<b>0.190</b>		0.297	<b>0.297</b>		0.351	<b>0.351</b>
RRVUNL		6.210	<b>6.210</b>		8.267	<b>8.267</b>		8.329	<b>8.329</b>
NTPC					0.228	<b>0.228</b>		2.679	<b>2.679</b>
<b>Total Public</b>	<b>54.662</b>	<b>552.015</b>	<b>606.677</b>	<b>55.345</b>	<b>569.851</b>	<b>625.196</b>	<b>33.923</b>	<b>607.851</b>	<b>641.774</b>
TISCO	6.225	0.003	<b>6.228</b>	6.316	0.000	<b>6.316</b>	6.224	0.000	<b>6.224</b>
Meghalaya		3.712	<b>3.712</b>		2.308	<b>2.308</b>		1.529	<b>1.529</b>
BALCO		0.120	<b>0.120</b>		0.180	<b>0.180</b>		0.000	<b>0.000</b>
CESC		1.877	<b>1.877</b>		1.742	<b>1.742</b>		1.878	<b>1.878</b>
GMR		0.560	<b>0.560</b>		0.151	<b>0.151</b>		0.270	<b>0.270</b>
HIL		0.069	<b>0.069</b>		2.000	<b>2.000</b>		2.414	<b>2.414</b>
JPVL		2.800	<b>2.800</b>		2.800	<b>2.800</b>		2.800	<b>2.800</b>
SIL		0.165	<b>0.165</b>		0.153	<b>0.153</b>		0.270	<b>0.270</b>
SPL		17.022	<b>17.022</b>		16.997	<b>16.997</b>		18.003	<b>18.003</b>
RCCPL					0.025	<b>0.025</b>		0.063	<b>0.063</b>
TUML								0.175	<b>0.175</b>
<b>Total Private</b>	<b>6.225</b>	<b>26.328</b>	<b>32.553</b>	<b>6.316</b>	<b>26.356</b>	<b>32.672</b>	<b>6.224</b>	<b>27.402</b>	<b>33.626</b>
<b>ALL INDIA</b>	<b>60.887</b>	<b>578.343</b>	<b>639.230</b>	<b>61.661</b>	<b>596.207</b>	<b>657.868</b>	<b>40.147</b>	<b>635.253</b>	<b>675.400</b>
<b>LIGNITE</b>									
NLC			<b>25.451</b>			<b>27.617</b>			<b>25.153</b>
GMDCL			<b>6.968</b>			<b>7.652</b>			<b>10.212</b>
GIPCL			<b>3.063</b>			<b>2.816</b>			<b>3.123</b>
RSMML			<b>0.972</b>			<b>0.549</b>			<b>1.019</b>
GHCL			<b>0.092</b>			<b>0.078</b>			<b>0.057</b>
VSLPPL			<b>0.617</b>			<b>0.508</b>			<b>0.426</b>
BLMCL			<b>6.679</b>			<b>6.010</b>			<b>6.265</b>
<b>ALL INDIA</b>			<b>43.842</b>			<b>45.230</b>			<b>46.255</b>
<b>COAL &amp; LIGNITE</b>			<b>683.072</b>			<b>703.098</b>			<b>721.655</b>



**TABLE 2.11: STATEWISE AND COMPANYWISE PRODUCTION OF RAW COAL BY TYPES IN LAST THREE YEARS**  
[ Quantity in Million Tonnes ]

STATES	COAL COMPANY	2015-2016			2016-2017			2017-2018		
		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>		0.487	<b>0.487</b>		0.600	<b>0.600</b>		0.781	<b>0.781</b>
Chhattisgarh	SECL	0.135	121.793	<b>121.928</b>	0.110	122.644	<b>122.754</b>	0.182	127.867	<b>128.049</b>
Chhattisgarh	SECL(GP-IV/2&3)		2.278	<b>2.278</b>		4.480	<b>4.480</b>		3.227	<b>3.227</b>
Chhattisgarh	SECL(GP-IV/1)					0.844	<b>0.844</b>		1.327	<b>1.327</b>
Chhattisgarh	HIL (GP-IV/4)		0.069	<b>0.069</b>		1.000	<b>1.000</b>		0.939	<b>0.939</b>
Chhattisgarh	HIL (GP-IV/5)					1.000	<b>1.000</b>		0.675	<b>0.675</b>
Chhattisgarh	BALCO		0.120	<b>0.120</b>		0.180	<b>0.180</b>		0.000	<b>0.000</b>
Chhattisgarh	RRVUNL		6.210	<b>6.210</b>		8.267	<b>8.267</b>		8.329	<b>8.329</b>
<b>Chhattisgarh</b>	<b>TOTAL</b>	<b>0.135</b>	<b>130.470</b>	<b>130.605</b>	<b>0.110</b>	<b>138.415</b>	<b>138.525</b>	<b>0.182</b>	<b>142.364</b>	<b>142.546</b>
<b>Jammu &amp; Kashmir</b>	<b>JKML</b>		0.013	<b>0.013</b>		0.010	<b>0.010</b>		0.014	<b>0.014</b>
Jharkhand	ECL	0.012	19.035	<b>19.047</b>	0.031	16.903	<b>16.934</b>	0.034	17.929	<b>17.963</b>
Jharkhand	BCCL	30.653	2.650	<b>33.303</b>	30.577	4.318	<b>34.895</b>	22.286	8.940	<b>31.226</b>
Jharkhand	CCL	20.697	40.627	<b>61.324</b>	21.988	45.059	<b>67.047</b>	9.577	53.828	<b>63.405</b>
Jharkhand	JSMDCL		0.190	<b>0.190</b>		0.297	<b>0.297</b>		0.351	<b>0.351</b>
Jharkhand	DVC	0.403		<b>0.403</b>	0.152		<b>0.152</b>	0.047		<b>0.047</b>
Jharkhand	IISCO CJ	0.558	0.014	<b>0.572</b>	0.540	0.026	<b>0.566</b>	0.415	0.001	<b>0.416</b>
Jharkhand	SAIL							0.184	0.001	<b>0.185</b>
Jharkhand	NTPC					0.228	<b>0.228</b>		2.679	<b>2.679</b>
Jharkhand	TISCO	6.225	0.003	<b>6.228</b>	6.316		<b>6.316</b>	6.224		<b>6.224</b>
Jharkhand	HIL (Kathautia)								0.800	<b>0.800</b>
<b>Jharkhand</b>	<b>TOTAL</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>	<b>38.767</b>	<b>84.529</b>	<b>123.296</b>
Madhya Pradesh	NCL		67.535	<b>67.535</b>		68.040	<b>68.040</b>		74.709	<b>74.709</b>
Madhya Pradesh	WCL	0.209	6.420	<b>6.629</b>	0.131	5.095	<b>5.226</b>	0.180	4.266	<b>4.446</b>
Madhya Pradesh	SECL		13.728	<b>13.728</b>		11.925	<b>11.925</b>		12.106	<b>12.106</b>
Madhya Pradesh	SPL		17.022	<b>17.022</b>		16.997	<b>16.997</b>		18.003	<b>18.003</b>
Madhya Pradesh	JPVL		2.800	<b>2.800</b>		2.800	<b>2.800</b>		2.800	<b>2.800</b>
Madhya Pradesh	RCCPL					0.025	<b>0.025</b>		0.063	<b>0.063</b>
<b>Madhya Pradesh</b>	<b>TOTAL</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>	<b>0.180</b>	<b>111.947</b>	<b>112.127</b>
Maharashtra	WCL		38.186	<b>38.186</b>		40.406	<b>40.406</b>		41.774	<b>41.774</b>
Maharashtra	SIL		0.165	<b>0.165</b>		0.153	<b>0.153</b>		0.270	<b>0.270</b>
Maharashtra	TUML								0.175	<b>0.175</b>
<b>Maharashtra</b>	<b>TOTAL</b>	<b>0</b>	<b>38.351</b>	<b>38.351</b>	<b>0</b>	<b>40.559</b>	<b>40.559</b>	<b>0</b>	<b>42.219</b>	<b>42.219</b>
<b>Meghalaya</b>	<b>MEG</b>		3.712	<b>3.712</b>		2.308	<b>2.308</b>		1.529	<b>1.529</b>
Odisha	MCL		137.901	<b>137.901</b>		139.208	<b>139.208</b>		143.058	<b>143.058</b>
Odisha	GMR		0.560	<b>0.560</b>		0.151	<b>0.151</b>		0.270	<b>0.270</b>
<b>Odisha</b>	<b>TOTAL</b>		<b>138.461</b>	<b>138.461</b>		<b>139.359</b>	<b>139.359</b>		<b>143.328</b>	<b>143.328</b>
<b>Telangana</b>	<b>SCCL</b>		60.380	<b>60.380</b>		61.336	<b>61.336</b>		62.010	<b>62.010</b>
<b>Uttar Pradesh</b>	<b>NCL</b>		12.689	<b>12.689</b>		16.056	<b>16.056</b>		18.309	<b>18.309</b>
West Bengal	ECL		21.161	<b>21.161</b>		23.583	<b>23.583</b>		25.605	<b>25.605</b>
West Bengal	BCCL	1.995	0.563	<b>2.558</b>	1.816	0.326	<b>2.142</b>	1.018	0.363	<b>1.381</b>
West Bengal	IISCOR		0.155	<b>0.155</b>		0.200	<b>0.200</b>		0.377	<b>0.377</b>
West Bengal	CESC		1.877	<b>1.877</b>		1.742	<b>1.742</b>		1.878	<b>1.878</b>
<b>West Bengal</b>	<b>TOTAL</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>1.018</b>	<b>28.223</b>	<b>29.241</b>
<b>Total Public</b>		<b>54.662</b>	<b>552.015</b>	<b>606.677</b>	<b>55.345</b>	<b>569.851</b>	<b>625.196</b>	<b>33.923</b>	<b>608.651</b>	<b>642.574</b>
<b>Total Private</b>	<b>TOTAL</b>	<b>6.225</b>	<b>26.328</b>	<b>32.553</b>	<b>6.316</b>	<b>26.356</b>	<b>32.672</b>	<b>6.224</b>	<b>26.602</b>	<b>32.826</b>
<b>All India</b>		<b>60.887</b>	<b>578.343</b>	<b>639.230</b>	<b>61.661</b>	<b>596.207</b>	<b>657.868</b>	<b>40.147</b>	<b>635.253</b>	<b>675.400</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			2017-18		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Gare Palma IV/2 & 3	SECL(Custodian)	Chhattisgarh		2.278	<b>2.278</b>		4.480	<b>4.480</b>		3.227	<b>3.227</b>
Gare Palma IV/1	SECL(Custodian)	Chhattisgarh					0.844	<b>0.844</b>		1.327	<b>1.327</b>
Tasra	SAIL	Jharkhand							0.184	0.001	<b>0.185</b>
Parsa East & Kanta Basan	RRVUNL	Chhattisgarh		6.210	<b>6.210</b>		8.267	<b>8.267</b>		8.329	<b>8.329</b>
Pakri Barwadih	NTPC	Jharkhand					0.228	<b>0.228</b>		2.679	<b>2.679</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>	<b>0.184</b>	<b>15.563</b>	<b>15.747</b>
Gare Palma IV/4	HIL	Chhattisgarh		0.069	<b>0.069</b>		1.000	<b>1.000</b>		0.939	<b>0.939</b>
Gare Palma IV/5	HIL	Chhattisgarh					1.000	<b>1.000</b>		0.675	<b>0.675</b>
Kathautia	HIL	Jharkhand								0.800	<b>0.800</b>
Amelia North	JPVL	Madhya Pradesh		2.800	<b>2.800</b>		2.800	<b>2.800</b>		2.800	<b>2.800</b>
Belgaon	SIL	Maharastra		0.165	<b>0.165</b>		0.153	<b>0.153</b>		0.270	<b>0.270</b>
Chotia	BALCO	Chhattisgarh		0.120	<b>0.120</b>		0.180	<b>0.180</b>		0.000	<b>0.000</b>
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		17.022	<b>17.022</b>		16.997	<b>16.997</b>		18.003	<b>18.003</b>
Sarshatali	CESC	West Bengal		1.877	<b>1.877</b>		1.742	<b>1.742</b>		1.878	<b>1.878</b>
Talabira I	GMR	Odisha		0.560	<b>0.560</b>		0.151	<b>0.151</b>		0.270	<b>0.270</b>
Sial Ghogri	RCCPL	Madhya Pradesh					0.025	<b>0.025</b>		0.063	<b>0.063</b>
Marki Mangli I	TUML	Maharastra								0.175	<b>0.175</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>0.000</b>	<b>25.873</b>	<b>25.873</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>	<b>0.184</b>	<b>41.436</b>	<b>41.620</b>

**TABLE 2.13: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2017-18**

( 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			0.000			0.034				0.034	<b>0.034</b>
BCCL	0.155	0.051	0.000	0.176	2.799	1.643	18.480		2.413	20.891	<b>23.304</b>
CCL				0.000	1.558	1.825	6.194		3.562	6.015	<b>9.577</b>
NCL										0.000	<b>0.000</b>
WCL					0.000		0.180		0.180	0.000	<b>0.180</b>
SECL			0.182							0.182	<b>0.182</b>
SECL (GP-IV/2&3)										0.000	<b>0.000</b>
SECL(GP-1)										0.000	<b>0.000</b>
MCL										0.000	<b>0.000</b>
NEC										0.000	<b>0.000</b>
<b>CIL</b>	<b>0.155</b>	<b>0.051</b>	<b>0.182</b>	<b>0.176</b>	<b>4.357</b>	<b>3.502</b>	<b>24.854</b>	<b>0.000</b>	<b>6.155</b>	<b>27.122</b>	<b>33.277</b>
SCCL											<b>0.000</b>
JKML											<b>0.000</b>
DVC							0.047			0.047	<b>0.047</b>
IISCO						0.093	0.322		0.415	0.000	<b>0.415</b>
SAIL							0.184		0.184	0.000	<b>0.184</b>
JSMDCL											<b>0.000</b>
RRVUNL											<b>0.000</b>
NTPC											<b>0.000</b>
<b>Total Public</b>	<b>0.155</b>	<b>0.051</b>	<b>0.182</b>	<b>0.176</b>	<b>4.357</b>	<b>3.595</b>	<b>25.407</b>	<b>0.000</b>	<b>6.754</b>	<b>27.169</b>	<b>33.923</b>
TISCO					0.270	0.396	5.558		6.224	0.000	<b>6.224</b>
Meghalaya											<b>0.000</b>
CESC											<b>0.000</b>
HIL											<b>0.000</b>
SPL											<b>0.000</b>
GMR											<b>0.000</b>
BALCO											<b>0.000</b>
SIL											<b>0.000</b>
JPVL											<b>0.000</b>
RCCPL											<b>0.000</b>
TUML											<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>0.270</b>	<b>0.396</b>	<b>5.558</b>	<b>0.000</b>	<b>6.224</b>	<b>0.000</b>	<b>6.224</b>
<b>ALL INDIA</b>	<b>0.155</b>	<b>0.051</b>	<b>0.182</b>	<b>0.176</b>	<b>4.627</b>	<b>3.991</b>	<b>30.965</b>	<b>0.000</b>	<b>12.978</b>	<b>27.169</b>	<b>40.147</b>

**TABLE 2.14: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2017-18**

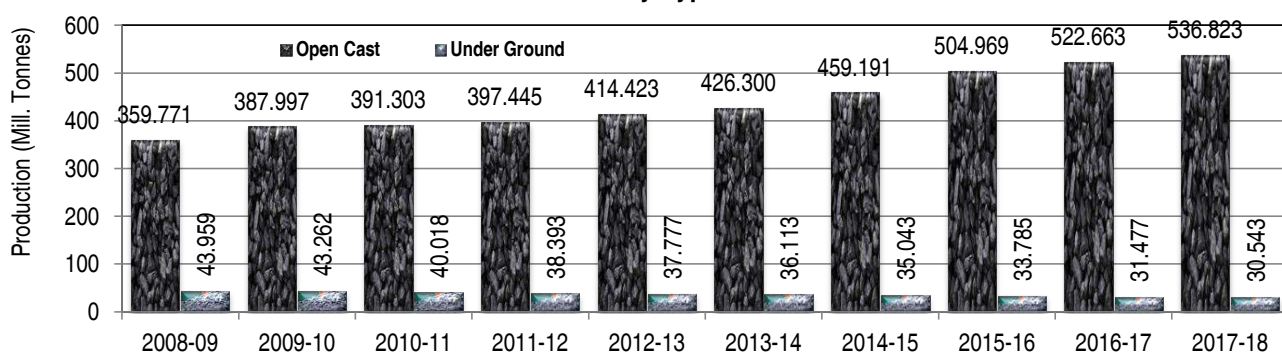
(Quantity in Million Tonnes)

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	1.531	12.565	10.209	1.101	2.356	0.989						14.783						43.534	43.568
BCCL		0.000	0.035	0.607	0.657	4.951	2.653	0.400	0.000	0.000	0.000	0	0	0	0	0	0	0	9.303	32.607
CCL		0.000	0.001	0.071	0.343	0.678	3.884	5.842	14.602	14.752	7.370	5.234	1.051						53.828	63.405
NCL				0.036	0.000	23.869	19.338	0.641	31.580	15.858	1.696								93.018	93.018
WCL			0.000	0.000	0.268	0.193	2.597	6.473	16.353	17.855	2.079	0.222							46.040	46.220
SECL		1.764	0.991	3.503	8.341	4.861	3.602	0.917	10.042	93.058	1.654	3.140	3.515	4.453	0.132	0.000			139.973	140.155
SECL (GP-IV/2&3)											0.231		0.476		2.520				3.227	3.227
SECL(GP-1)														0.143		1.184			1.327	1.327
MCL						0.040	0.131	0.128	0.418	0.505	38.947	66.407	36.482						143.058	143.058
NEC	0.181	0.264	0.217	0.118	0.001														0.781	0.781
<b>CIL</b>	<b>0.181</b>	<b>0.264</b>	<b>3.512</b>	<b>13.710</b>	<b>14.427</b>	<b>10.710</b>	<b>36.948</b>	<b>33.194</b>	<b>14.401</b>	<b>72.995</b>	<b>142.028</b>	<b>51.977</b>	<b>89.786</b>	<b>41.524</b>	<b>4.596</b>	<b>2.652</b>	<b>1.184</b>	<b>0.000</b>	<b>534.089</b>	<b>567.366</b>
SCCL				1.094		3.227	5.227	8.215	8.988	15.481	0.387	11.953	2.848	3.298	0.892	0.270	0.130		62.010	62.010
JKML																	0.014		0.014	0.014
DVC																			0.000	0.047
IISCO			0.195		0.183														0.378	0.793
SAIL																	0.001		0.001	0.185
JSMDCL											0.351								0.351	0.351
RRVUNL										8.329									8.329	8.329
NTPC							2.679												2.679	2.679
<b>Total Public</b>	<b>0.181</b>	<b>0.264</b>	<b>3.512</b>	<b>13.905</b>	<b>15.521</b>	<b>10.893</b>	<b>40.175</b>	<b>38.421</b>	<b>25.295</b>	<b>81.983</b>	<b>165.838</b>	<b>52.715</b>	<b>101.739</b>	<b>44.372</b>	<b>7.894</b>	<b>3.544</b>	<b>1.454</b>	<b>0.145</b>	<b>607.851</b>	<b>641.774</b>
TISCO																			0.000	6.224
Meghalaya	1.529																		1.529	1.529
CESC										1.878									1.878	1.878
HIL					0.800	0.537		0.000	0.018	0.532	0.527								2.414	2.414
SPL									9.077	8.926									18.003	18.003
GMR												0.003	0.267						0.270	0.270
BALCO										0.000									0.000	0.000
SIL							0.270												0.270	0.270
JPVL										2.800									2.800	2.800
RCCPL						0.063													0.063	0.063
TUML											0.175								0.175	0.175
<b>Total Private</b>	<b>1.529</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.800</b>	<b>0.600</b>	<b>0.270</b>	<b>0.000</b>	<b>9.095</b>	<b>14.136</b>	<b>0.702</b>	<b>0.003</b>	<b>0.267</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>27.402</b>	<b>33.626</b>
<b>ALL INDIA</b>	<b>1.710</b>	<b>0.264</b>	<b>3.512</b>	<b>13.905</b>	<b>15.521</b>	<b>11.693</b>	<b>40.775</b>	<b>38.691</b>	<b>25.295</b>	<b>91.078</b>	<b>179.974</b>	<b>53.417</b>	<b>101.742</b>	<b>44.639</b>	<b>7.894</b>	<b>3.544</b>	<b>1.454</b>	<b>0.145</b>	<b>635.253</b>	<b>675.400</b>

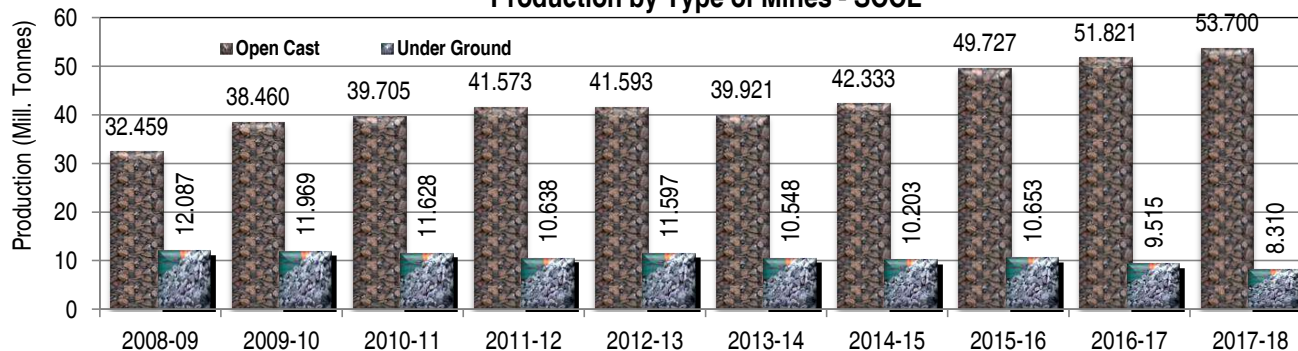
**TABLE 2.15: TRENDS OF PRODUCTION OF RAW COAL FROM OPENCAST AND UNDERGROUND MINES IN LAST TEN YEARS**  
( Quantity in Million Tonnes )

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)
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	522.663	51.821	613.518	93.26	3.49	31.477	9.515	44.350	6.74	-4.43	657.868	2.92
2017-18	536.823	53.700	632.770	93.69	3.14	30.543	8.310	42.630	6.31	-3.88	675.400	2.66

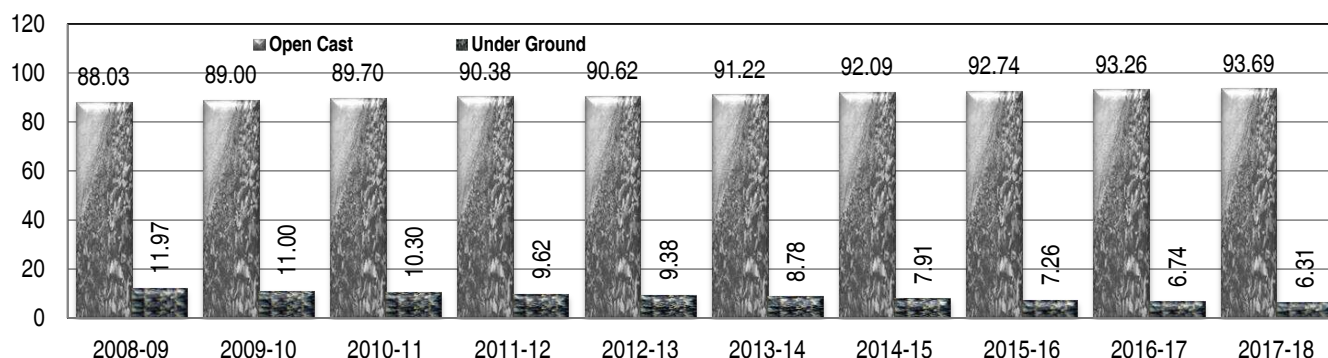
**Production by Type of Mines - CIL**



**Production by Type of Mines - SCCL**



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



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

(Quantity in Million Tonnes)

COMPANIES	Y E A R 2016 - 2017						Y E A R 2017 - 2018					
	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	32.390	5.28	-1.49	8.127	18.32	10.89	34.965	5.53	7.95	8.603	19.40	5.86
BCCL	35.358	5.76	3.83	1.679	3.79	-7.03	31.531	4.98	-10.82	1.076	2.43	-35.91
CCL	66.310	10.81	9.65	0.737	1.66	-13.09	63.000	9.96	-4.99	0.405	0.91	-45.05
NCL	84.096	13.71	4.83				93.018	14.70	10.61			
WCL	40.264	6.56	6.99	5.368	12.10	-25.24	41.266	6.52	2.49	4.954	11.17	-7.71
SECL	120.131	19.58	-0.01	14.548	32.80	-6.18	125.694	19.86	4.63	14.461	32.61	-0.60
SECL(GP-IV/2&3)	4.480	0.73					3.227	0.51				
SECL(GP-IV/1)	0.844	0.14					1.327	0.21				
MCL	138.193	22.52	1.03	1.015	2.29	-8.72	142.017	22.44	2.77	1.041	2.35	2.56
NEC	0.597	0.10	23.35	0.003	0.01	0.00	0.778	0.12	30.32	0.003	0.01	0.00
<b>CIL</b>	<b>522.663</b>	<b>85.19</b>	<b>3.50</b>	<b>31.477</b>	<b>70.97</b>	<b>-6.83</b>	<b>536.823</b>	<b>84.84</b>	<b>2.71</b>	<b>30.543</b>	<b>68.87</b>	<b>-2.97</b>
SCCL	51.821	8.45	4.21	9.515	21.45	-10.68	53.700	8.49	3.63	8.310	18.74	-12.66
JKML				0.010	0.02	-23.08		0.00		0.014	0.03	40.00
DVC	0.152	0.02	-62.28				0.047	0.01	-69.08			
IISCO	0.506	0.08	10.24	0.260	0.59	-2.99	0.567	0.09	12.06	0.226	0.51	-13.08
SAIL							0.185	0.03	0.00			
JSMDC	0.297	0.05	56.32				0.351	0.06	18.18			
RRVUNL	8.267	1.35	33.12				8.329	1.32	0.75			
NTPC	0.228	0.04					2.679	0.42				
<b>PUBLIC</b>	<b>583.934</b>	<b>95.18</b>	<b>3.91</b>	<b>41.262</b>	<b>93.04</b>	<b>-7.73</b>	<b>602.681</b>	<b>95.24</b>	<b>3.21</b>	<b>39.093</b>	<b>88.15</b>	<b>-5.26</b>
TISCO	5.006	0.82	4.90	1.310	2.95	-10.03	5.046	0.80	0.80	1.178	2.66	-10.08
Meghalaya	2.308	0.38	-37.82				1.529	0.24	-33.75			
BALCO	0.180	0.03	50.00					0.00	0.00			
CESC	1.742	0.28	-7.19				1.878	0.30	7.81			
GMR	0.151	0.02	-73.04				0.270	0.04	78.81			
HIL	0.400	0.07	39900.00	1.600	3.61	2252.94	0.388	0.06	-3.00	2.026	4.57	26.63
JPVL	2.800	0.46	0.00				2.800	0.44	0.00			
SIL				0.153	0.34	-7.27		0.00	0.00	0.270	0.61	76.47
SPL	16.997	2.77	-0.15				18.003	2.85	5.92			
RCCPL				0.025	0.06			0.00	0.00	0.063	0.14	152.00
TUML	0.000						0.175	0.03	0.00			
<b>PRIVATE</b>	<b>29.584</b>	<b>4.82</b>	<b>-4.15</b>	<b>3.088</b>	<b>6.96</b>	<b>82.83</b>	<b>30.089</b>	<b>4.76</b>	<b>1.71</b>	<b>3.537</b>	<b>7.98</b>	<b>14.54</b>
<b>All India</b>	<b>613.518</b>	<b>100.00</b>	<b>3.49</b>	<b>44.350</b>	<b>100.00</b>	<b>-4.43</b>	<b>632.770</b>	<b>100.00</b>	<b>3.14</b>	<b>42.630</b>	<b>96.12</b>	<b>-3.88</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)
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	15.00	13.85	0.80	1.18	7.48	4.74
2017-18	14.11	13.73	0.86	1.08	7.72	4.89

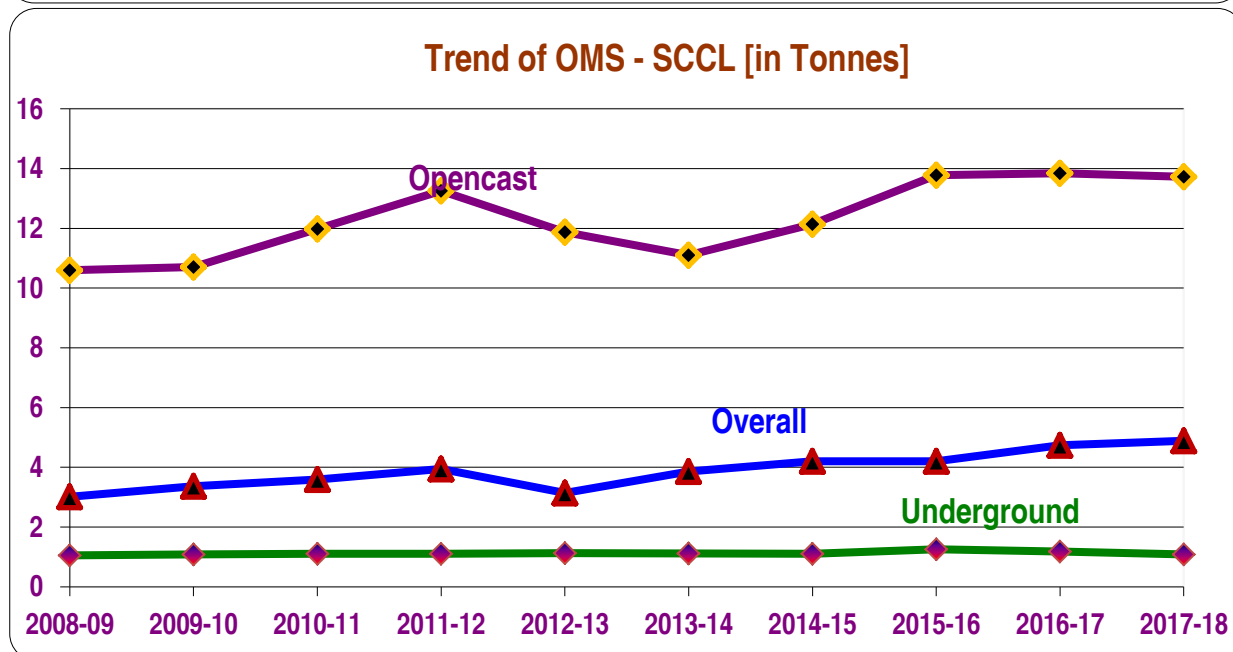
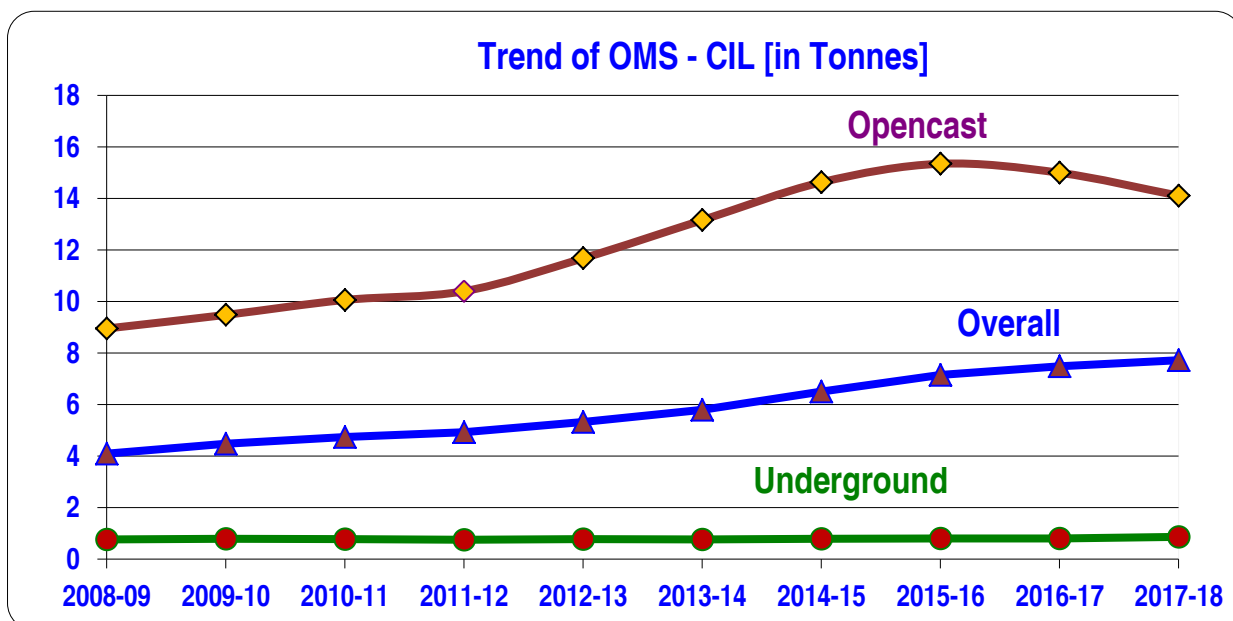


TABLE 2.18 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2015-2016			2016-2017			2017-2018		
		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	32.879	2.648	12.42	32.390	2.510	12.91	34.965	2.442	14.32
BCCL	OC	34.055	3.379	10.48	35.358	4.097	8.60	31.531	4.866	6.50
CCL	OC	60.476	6.786	8.91	66.310	6.761	9.81	63.000	6.722	9.37
NCL	OC	80.224	4.276	21.24	84.096	4.121	20.18	93.018	4.059	22.92
WCL	OC	37.635	4.790	5.41	40.264	7.102	0.56	41.266	11.289	3.62
SECL	OC	120.149	5.118	23.48	120.131	4.677	26.63	125.694	3.952	31.81
SECL(GP-IV/2&3)	OC	2.278	0.090	25.31	4.480	0.024	188.48	3.227	0.034	95.39
SECL(GP-IV/1)	OC				0.844	0.010	80.86	1.327	0.020	66.63
MCL	OC	136.789	5.642	24.00	138.193	5.374	25.72	142.017	4.505	31.52
NEC	OC	0.484	0.173	2.80	0.597	0.163	3.67	0.778	0.149	5.21
<b>CIL</b>	<b>OC</b>	<b>504.969</b>	<b>32.902</b>	<b>15.35</b>	<b>522.663</b>	<b>34.839</b>	<b>15.00</b>	<b>536.823</b>	<b>38.038</b>	<b>14.11</b>
<b>SCCL</b>	<b>OC</b>	<b>10.653</b>	<b>2.758</b>	<b>13.78</b>	<b>51.821</b>	<b>2.863</b>	<b>13.85</b>	<b>53.700</b>	<b>3.911</b>	<b>13.73</b>
ECL	UG	7.329	13.056	0.56	8.127	12.656	0.64	8.603	12.019	0.72
BCCL	UG	1.806	7.408	0.24	1.679	6.289	0.30	1.076	5.358	0.20
CCL	UG	0.848	2.640	0.32	0.737	2.507	0.29	0.405	2.091	0.19
NCL	UG									
WCL	UG	7.180	6.455	1.11	5.368	5.772	0.93	4.954	5.344	0.93
SECL	UG	15.507	11.090	1.40	14.548	10.318	1.41	14.461	9.162	1.58
SECL(GP-IV/2&3)	UG									
SECL(GP-IV/1)	UG									
MCL	UG	1.112	1.662	1.00	1.015	1.560	0.65	1.041	1.402	0.74
NEC	UG	0.003	0.178	0.01	0.003	0.150	0.02	0.003	0.124	0.02
<b>CIL</b>	<b>UG</b>	<b>33.785</b>	<b>42.489</b>	<b>0.80</b>	<b>31.477</b>	<b>39.252</b>	<b>0.80</b>	<b>30.543</b>	<b>35.500</b>	<b>0.86</b>
<b>SCCL</b>	<b>UG</b>	<b>51.821</b>	<b>8.477</b>	<b>1.25</b>	<b>9.515</b>	<b>8.104</b>	<b>1.17</b>	<b>8.310</b>	<b>7.694</b>	<b>1.08</b>
ECL	ALL	40.208	15.704	2.56	40.517	15.166	2.67	43.568	14.461	3.01
BCCL	ALL	35.861	10.787	3.32	37.037	10.386	3.60	32.607	10.224	3.20
CCL	ALL	61.324	9.426	6.51	67.047	9.268	7.23	63.405	8.813	7.19
NCL	ALL	80.224	4.276	18.76	84.096	4.121	20.18	93.018	4.059	22.92
WCL	ALL	44.815	11.245	3.99	45.632	12.874	3.50	46.220	16.633	2.76
SECL	ALL	135.656	16.208	8.37	134.679	14.995	9.29	140.155	13.114	9.29
SECL(GP-IV/2&3)	ALL	2.278	0.090	25.31	4.480	0.024	188.48	3.227	0.034	95.39
SECL(GP-IV/1)	ALL				0.844	0.010	80.86	1.327	0.020	66.63
MCL	ALL	137.901	7.304	18.88	139.208	6.934	20.08	143.058	5.907	24.22
NEC	ALL	0.487	0.351	1.39	0.600	0.313	1.92	0.781	0.273	5.23
<b>CIL</b>	<b>ALL</b>	<b>538.754</b>	<b>75.391</b>	<b>7.15</b>	<b>554.140</b>	<b>74.091</b>	<b>7.48</b>	<b>567.366</b>	<b>73.538</b>	<b>7.72</b>
<b>SCCL</b>	<b>ALL</b>	<b>62.474</b>	<b>11.235</b>	<b>4.20</b>	<b>61.336</b>	<b>10.967</b>	<b>4.74</b>	<b>62.010</b>	<b>11.606</b>	<b>4.89</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	2015 - 2016			2016 - 2017			2017 - 2018		
	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	119.219	32.879	3.63	124.637	32.390	3.85	118.895	34.965	3.40
BCCL	148.591	34.055	4.36	131.215	35.358	3.71	110.466	31.531	3.50
CCL	103.571	60.476	1.71	102.630	66.310	1.55	95.622	63.000	1.52
NCL	338.090	80.224	4.21	324.136	84.096	3.85	316.795	93.018	3.41
WCL	155.145	37.635	4.12	166.142	40.264	4.13	185.287	41.266	4.49
SECL	174.824	120.149	1.46	174.588	120.131	1.45	203.898	125.694	1.62
SECL(GP-IV/2&3)	0.543	2.278	0.24	3.039	4.480	0.68	0.634	3.227	0.20
SECL(GP-IV/1)				1.164	0.844	1.38	0.486	1.327	0.37
MCL	98.410	136.789	0.72	123.342	138.193	0.89	138.179	142.017	0.97
NEC	0.007	0.484	0.01	5.676	0.597	9.51	7.850	0.778	10.09
<b>CIL</b>	<b>1138.400</b>	<b>504.969</b>	<b>2.25</b>	<b>1156.569</b>	<b>522.663</b>	<b>2.21</b>	<b>1178.112</b>	<b>536.823</b>	<b>2.19</b>
SCCL	310.763	49.727	6.25	312.636	51.821	6.03	392.115	53.700	7.30
JKML									
DVC	0.328	0.403	0.81	0.202	0.152	1.33	0.195	0.047	4.15
IISCO	2.626	0.459	5.72	2.619	0.506	5.18	4.100	0.567	7.23
SAIL								0.185	
JSMDCCL	0.420	0.190	2.21	0.517	0.297	1.74	0.731	0.351	2.08
RRVUNL	11.966	6.210	1.93	16.189	8.267	1.96	19.493	8.329	2.34
NTPC				4.252	0.228	18.65	8.497	2.679	3.17
<b>PUBLIC</b>	<b>1464.503</b>	<b>561.958</b>	<b>2.61</b>	<b>1492.984</b>	<b>583.934</b>	<b>2.56</b>	<b>1603.243</b>	<b>602.681</b>	<b>2.66</b>
TISCO	18.161	4.772	3.81	20.043	5.006	4.00	18.891	5.046	3.74
Meghalaya		3.712			2.308	0.00		1.529	0.00
HIL		0.001	0.00	2.313	0.400	5.78	1.402	0.388	3.61
SPL	65.692	17.022	3.86	78.087	16.997	4.59	77.367	18.003	4.30
CESC	6.540	1.877		4.639	1.742	2.66	5.539	1.878	2.95
GMR	0.993	0.560		0.229	0.151	1.52	0.112	0.270	0.41
BALCO	1.813	0.120		0.975	0.180	5.42			
JPVL	13.290	2.800		18.108	2.800	6.47	16.992	2.800	6.07
RCCPL									
TUML							0.412	0.175	2.35
<b>PRIVATE</b>	<b>106.489</b>	<b>30.864</b>	<b>3.92</b>	<b>124.394</b>	<b>29.584</b>	<b>4.56</b>	<b>120.715</b>	<b>30.089</b>	<b>4.23</b>
<b>INDIA</b>	<b>1570.992</b>	<b>592.822</b>	<b>2.67</b>	<b>1617.378</b>	<b>613.518</b>	<b>2.65</b>	<b>1723.958</b>	<b>632.770</b>	<b>2.73</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)
2008-09	489.172	7.85	31.793	-8.26	<b>520.965</b>	<b>6.71</b>
2009-10	513.792	5.03	34.43	8.29	<b>548.222</b>	<b>5.23</b>
2010-11	523.465	1.88	37.685	9.45	<b>561.15</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	645.978	2.14	43.155	2.24	<b>689.133</b>	<b>2.15</b>
2017-18	687.831	6.48	45.929	6.43	<b>733.760</b>	<b>6.48</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)
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	48.95	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>572.06</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	14.039	1.25	59.308	0.16	586.670	2.34	<b>645.978</b>	<b>2.14</b>
2017-18	12.669	-9.76	45.380	-23.48	642.451	9.51	<b>687.831</b>	<b>6.48</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)
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	3.79	1.72	12.546	1.50
2011-12	6.532	-4.70	15.751	8.35	3.802	-15.59	3.545	-6.46	12.34	-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	6.08	-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	19.579	11.60	4.525	-21.10	0*	-	12.554	-8.18
2017-18	5.995	-7.98	17.363	-11.32	4.213	-6.90	0*	-	12.459	-0.76

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 2017-18**

(Quantity in Million Tonnes)

Month	Coking Coal			Non Coking Coal			Raw Coal			Lignite		
	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Apr-17	4.322	-3.38	9.52	48.988	5.40	7.63	53.310	4.63	7.75	4.285	11.15	9.33
May-17	4.434	-3.69	9.77	51.042	3.05	7.94	55.476	2.47	8.07	4.203	7.06	9.15
Jun-17	3.565	-23.23	7.86	50.893	4.64	7.92	54.458	2.21	7.92	3.437	0.76	7.48
<b>1st Quarter</b>	<b>12.321</b>	<b>-10.20</b>	<b>27.15</b>	<b>150.923</b>	<b>4.34</b>	<b>23.49</b>	<b>163.244</b>	<b>3.08</b>	<b>23.73</b>	<b>11.925</b>	<b>6.55</b>	<b>25.96</b>
Jul-17	3.348	-29.44	7.38	49.150	12.51	7.65	52.498	8.40	7.63	2.811	-9.53	6.12
Aug-17	3.413	-21.99	7.52	48.591	22.60	7.56	52.004	18.17	7.56	3.092	8.23	6.73
Sep-17	3.377	-17.79	7.44	48.305	19.69	7.52	51.682	16.23	7.51	3.259	6.78	7.10
<b>2nd Quarter</b>	<b>10.138</b>	<b>-23.36</b>	<b>22.34</b>	<b>146.046</b>	<b>18.09</b>	<b>22.73</b>	<b>156.184</b>	<b>14.08</b>	<b>22.71</b>	<b>9.162</b>	<b>1.62</b>	<b>19.95</b>
Oct-17	3.646	-22.34	8.03	53.171	14.37	8.28	56.817	11.00	8.26	3.601	7.30	7.84
Nov-17	3.653	-30.06	8.05	56.533	8.34	8.80	60.186	4.85	8.75	3.857	10.71	8.40
Dec-17	3.977	-28.73	8.76	59.297	5.96	9.23	63.274	2.82	9.20	4.113	9.68	8.96
<b>3rd Quarter</b>	<b>11.276</b>	<b>-27.24</b>	<b>24.85</b>	<b>169.001</b>	<b>9.29</b>	<b>26.31</b>	<b>180.277</b>	<b>5.97</b>	<b>26.21</b>	<b>11.571</b>	<b>9.26</b>	<b>25.19</b>
Jan-18	3.873	-34.65	8.53	59.823	9.06	9.31	63.696	4.80	9.26	4.497	5.79	9.79
Feb-18	3.549	-31.14	7.82	55.362	6.68	8.62	58.911	3.26	8.56	4.006	3.51	8.72
Mar-18	4.223	-26.94	9.31	61.296	7.60	9.54	65.519	4.42	9.53	4.768	12.56	10.38
<b>4th Quarter</b>	<b>11.645</b>	<b>-30.94</b>	<b>25.66</b>	<b>176.481</b>	<b>7.80</b>	<b>27.47</b>	<b>188.126</b>	<b>4.18</b>	<b>27.35</b>	<b>13.271</b>	<b>7.40</b>	<b>28.89</b>
<b>Yr. 2017-18</b>	<b>45.380</b>	<b>-23.48</b>	<b>100.00</b>	<b>642.451</b>	<b>355.79</b>	<b>100.00</b>	<b>687.831</b>	<b>8.76</b>	<b>100.00</b>	<b>45.929</b>	<b>8.81</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.

**TABLE 3.5: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL, LIGNITE AND COAL PRODUCTS IN 2017-18**

(Quantity in Million Tonnes)

Month	Washed Coal (Ckg)			Washed Coal (Nckg)			Middlings (Ckg)			Middlings (Nckg)			Hard Coke		
	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %	Desp.	Growth %	Share %
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Apr-17	0.459	-3.77	7.66	1.373	-21.18	7.91	0.356	-11.66	8.45	0.0	-	-	1.031	1.68	8.28
May-17	0.518	12.36	8.64	1.335	-24.62	7.69	0.356	7.55	8.45	0.0	-	-	0.956	-9.81	7.67
Jun-17	0.480	2.56	8.01	1.370	-29.89	7.89	0.397	-6.37	9.42	0.0	-	-	0.990	-4.26	7.95
<b>1st Quarter</b>	<b>1.457</b>	<b>3.63</b>	<b>24.30</b>	<b>4.078</b>	<b>-25.41</b>	<b>23.49</b>	<b>1.109</b>	<b>-4.23</b>	<b>26.32</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>2.977</b>	<b>-4.21</b>	<b>23.89</b>
Jul-17	0.471	1.07	7.86	1.327	-12.58	7.64	0.376	-17.00	8.92	0.0	-	-	1.042	-0.67	8.36
Aug-17	0.484	-7.81	8.07	1.580	45.09	9.10	0.342	-7.57	8.12	0.0	-	-	1.066	1.62	8.56
Sep-17	0.487	-4.13	8.12	1.469	33.18	8.46	0.347	-16.79	8.24	0.0	-	-	1.048	3.97	8.41
<b>2nd Quarter</b>	<b>1.442</b>	<b>-3.80</b>	<b>24.05</b>	<b>4.376</b>	<b>17.95</b>	<b>25.20</b>	<b>1.065</b>	<b>-14.11</b>	<b>25.28</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>3.156</b>	<b>1.61</b>	<b>25.33</b>
Oct-17	0.429	-19.21	7.16	1.501	0.00	8.64	0.328	-6.02	7.79	0.0	-	-	1.087	0.00	8.72
Nov-17	0.511	-10.82	8.52	1.454	-19.36	8.37	0.316	-19.59	7.50	0.0	-	-	1.029	0.10	8.26
Dec-17	0.502	-23.01	8.37	1.338	-18.81	7.71	0.314	-9.25	7.45	0.0	-	-	1.034	-3.36	8.30
<b>3rd Quarter</b>	<b>1.442</b>	<b>-17.88</b>	<b>24.05</b>	<b>4.293</b>	<b>-13.31</b>	<b>24.72</b>	<b>0.958</b>	<b>-11.95</b>	<b>22.74</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>3.150</b>	<b>-1.10</b>	<b>25.28</b>
Jan-18	0.565	-6.15	9.42	1.534	-12.39	8.83	0.304	-3.80	7.22	0.0	-	-	1.040	-6.05	8.35
Feb-18	0.529	-10.94	8.82	1.493	-12.79	8.60	0.331	3.76	7.86	0.0	-	-	1.005	4.04	8.07
Mar-18	0.560	-14.89	9.34	1.589	-20.03	9.15	0.446	10.40	10.59	0.0	-	-	1.131	4.53	9.08
<b>4th Quarter</b>	<b>1.654</b>	<b>-10.79</b>	<b>27.59</b>	<b>4.616</b>	<b>-15.30</b>	<b>26.59</b>	<b>1.081</b>	<b>4.04</b>	<b>25.66</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>3.176</b>	<b>0.67</b>	<b>25.49</b>
<b>Yr. 2017-18</b>	<b>5.995</b>	<b>-1.20</b>	<b>100.00</b>	<b>17.363</b>	<b>-1.03</b>	<b>100.00</b>	<b>4.213</b>	<b>-26.54</b>	<b>100.00</b>	<b>0.0</b>	<b>-</b>	<b>-</b>	<b>12.459</b>	<b>-8.88</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 &amp; 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	Arunachal Pradesh			Assam			Chhattisgarh		
	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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	0.8	0.15	-27.40	114.61	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	132.04	20.88	2.05
2016-17	0 -	-		0.777	0.12	127.19	135.268	20.94	2.44
2017-18	0 -	-		0.895	0.13	15.19	146.656	21.32	8.42

Year	Jammu & Kashmir			Jharkhand			Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
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	69.56	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	120.739	18.69	2.26	87.743	13.58	2.98
2017-18	0	0.00	90.91	126.564	18.40	4.82	97.377	14.16	10.98

Year	Maharashtra			Meghalaya			Odisha		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
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	38.24	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	5.64	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	5.41	-4.09	2.308	0.36	-60.83	143.287	22.18	1.88
2017-18	44	6.41	26.08	1.529	0.22	-50.95	138.538	20.14	-3.31

Contd....

TABLE 3.6 : SHARE OF RAW COAL DESPATCHES BY STATES DURING LAST TEN YEARS  
(Quantity in Million Tonnes)

Year	Telangana			Uttar Pradesh			West Bengal		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2008-09	44.41	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	60.791	9.41	3.59	33.006	5.11	3.74	27.094	4.19	6.36
2017-18	62.890	9.14	3.45	39.341	5.72	19.19	29.950	4.35	10.54

Year	All India	
	Quantity	Growth (%)
(41)	(42)	(43)
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	572.06	0.87
2014-15	603.772	5.54
2015-16	632.442	4.75
2016-17	645.978	2.14
2017-18	687.831	6.48

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

( Quantity in Million Tonnes)

Year	Tamilnadu			Gujarat		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
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
2017-18	23.398	50.94	-3.17	13.390	29.15	26.98

Year	Rajasthan			ALL INDIA	
	Quantity	Share (%)	Growth (%)	Quantity	Growth (%)
(8)	(9)	(10)	(11)	(12)	(13)
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>
2017-18	9.141	19.90	8.24	<b>45.929</b>	<b>6.43</b>



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

(Quantity in Million Tonnes)

Company	2015-16			2016-17			2017-18		
	Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.017	38.362	<b>38.379</b>	0.029	42.779	<b>42.808</b>	0.039	43.395	<b>43.434</b>
BCCL	32.914	3.250	<b>36.164</b>	31.080	3.733	<b>34.813</b>	24.165	9.138	<b>33.303</b>
CCL	18.799	40.783	<b>59.582</b>	21.038	39.895	<b>60.933</b>	13.966	53.543	<b>67.509</b>
NCL	0.000	78.362	<b>78.362</b>	0.000	83.491	<b>83.491</b>	0.000	96.333	<b>96.333</b>
WCL	0.200	42.106	<b>42.306</b>	0.115	39.377	<b>39.492</b>	0.279	48.464	<b>48.743</b>
SECL	0.108	136.474	<b>136.582</b>	0.015	133.527	<b>133.542</b>	0.303	145.435	<b>145.738</b>
SECL(GP-IV/2&3)		2.152	<b>2.152</b>		3.464	<b>3.464</b>		4.053	<b>4.053</b>
SECL(GP-1)			<b>0.000</b>		0.654	<b>0.654</b>		1.301	<b>1.301</b>
MCL		140.214	<b>140.214</b>		143.007	<b>143.007</b>		138.262	<b>138.262</b>
NEC		0.342	<b>0.342</b>		0.777	<b>0.777</b>		0.895	<b>0.895</b>
<b>CIL</b>	<b>52.038</b>	<b>482.045</b>	<b>534.083</b>	<b>52.277</b>	<b>490.704</b>	<b>542.981</b>	<b>38.752</b>	<b>540.819</b>	<b>579.571</b>
SCCL		58.687	<b>58.687</b>		60.791	<b>60.791</b>		62.890	<b>62.890</b>
JKML		0.012	<b>0.012</b>		0.011	<b>0.011</b>		0.021	<b>0.021</b>
JSMDCL		0.197	<b>0.197</b>		0.297	<b>0.297</b>		0.351	<b>0.351</b>
DVC	0.392		<b>0.392</b>	0.180		<b>0.180</b>			<b>0.000</b>
IISCO	0.558	0.167	<b>0.725</b>	0.540	0.231	<b>0.771</b>	0.415	0.374	<b>0.789</b>
SAIL			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
RRVUNL		6.210	<b>6.210</b>		8.267	<b>8.267</b>		8.329	<b>8.329</b>
NTPC					0.100	<b>0.100</b>		2.583	<b>2.583</b>
<b>Total Public</b>	<b>52.988</b>	<b>547.318</b>	<b>600.306</b>	<b>52.997</b>	<b>560.401</b>	<b>613.398</b>	<b>39.167</b>	<b>615.367</b>	<b>654.534</b>
TISCO	6.225	0.008	<b>6.233</b>	6.311	0.000	<b>6.311</b>	6.213	0.000	<b>6.213</b>
MEGHALAYA		3.712	<b>3.712</b>		2.308	<b>2.308</b>		1.529	<b>1.529</b>
HIL		0.012	<b>0.012</b>		1.765	<b>1.765</b>		2.247	<b>2.247</b>
SPL		16.842	<b>16.842</b>		17.101	<b>17.101</b>		17.961	<b>17.961</b>
SIL		0.163	<b>0.163</b>		0.156	<b>0.156</b>		0.262	<b>0.262</b>
CESC		1.874	<b>1.874</b>		1.620	<b>1.620</b>		1.764	<b>1.764</b>
GMR		0.425	<b>0.425</b>		0.280	<b>0.280</b>		0.276	<b>0.276</b>
BALCO		0.079	<b>0.079</b>		0.221	<b>0.221</b>		0.000	<b>0.000</b>
JPVL		2.796	<b>2.796</b>		2.803	<b>2.803</b>		2.800	<b>2.800</b>
RCCPL					0.015	<b>0.015</b>		0.072	<b>0.072</b>
TUML								0.173	<b>0.173</b>
<b>Total Private</b>	<b>6.225</b>	<b>25.911</b>	<b>32.136</b>	<b>6.311</b>	<b>26.269</b>	<b>32.580</b>	<b>6.213</b>	<b>27.084</b>	<b>33.297</b>
<b>ALL INDIA</b>	<b>59.213</b>	<b>573.229</b>	<b>632.442</b>	<b>59.308</b>	<b>586.670</b>	<b>645.978</b>	<b>45.380</b>	<b>642.451</b>	<b>687.831</b>
<b>LIGNITE :</b>									
NLC			<b>23.717</b>			<b>25.578</b>			<b>24.982</b>
GMDCL			<b>6.968</b>			<b>7.652</b>			<b>10.212</b>
GIPCL			<b>3.063</b>			<b>2.816</b>			<b>3.123</b>
RSMML			<b>0.972</b>			<b>0.549</b>			<b>1.019</b>
GHCL			<b>0.104</b>			<b>0.077</b>			<b>0.055</b>
VSLPPL			<b>0.824</b>			<b>0.476</b>			<b>0.426</b>
BLMCL			<b>6.563</b>			<b>6.007</b>			<b>6.112</b>
<b>ALL INDIA</b>			<b>42.211</b>			<b>43.155</b>			<b>45.929</b>
<b>COAL &amp; LIGNITE</b>			<b>674.653</b>			<b>689.133</b>			<b>733.760</b>

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

(Quantity in Million Tonnes)

States	Company	2015-16			2016-17			2017-18		
		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>		<b>0.342</b>	<b>0.342</b>		<b>0.777</b>	<b>0.777</b>		<b>0.895</b>	<b>0.895</b>
Chhattisgarh	SECL	0.108	123.479	<b>123.587</b>	0.015	120.882	<b>120.897</b>	0.303	130.991	<b>131.294</b>
Chhattisgarh	SECL(GP-IV/2&3)		2.152	<b>2.152</b>		3.464	<b>3.464</b>		4.053	<b>4.053</b>
Chhattisgarh	SECL(GP-1)			<b>0.000</b>		0.654	<b>0.654</b>		1.301	<b>1.301</b>
Chhattisgarh	RRVUNL		6.210	<b>6.210</b>		8.267	<b>8.267</b>		8.329	<b>8.329</b>
Chhattisgarh	HIL_GP_IV/4		0.012	<b>0.012</b>		0.859	<b>0.859</b>		0.934	<b>0.934</b>
Chhattisgarh	HIL_GP_IV/5					0.906	<b>0.906</b>		0.745	<b>0.745</b>
Chhattisgarh	BALCO		0.079	<b>0.079</b>		0.221	<b>0.221</b>		0.000	<b>0.000</b>
<b>Chhattisgarh</b>	<b>TOTAL</b>	<b>0.108</b>	<b>131.932</b>	<b>132.04</b>	<b>0.015</b>	<b>135.253</b>	<b>135.268</b>	<b>0.303</b>	<b>146.353</b>	<b>146.656</b>
<b>Jammu &amp; Kashmir</b>	<b>JKML</b>		<b>0.012</b>	<b>0.012</b>		<b>0.011</b>	<b>0.011</b>		<b>0.021</b>	<b>0.021</b>
Jharkhand	ECL	0.017	17.450	<b>17.467</b>	0.026	19.504	<b>19.530</b>	0.037	17.387	<b>17.424</b>
Jharkhand	BCCL	30.908	2.721	<b>33.629</b>	29.383	3.439	<b>32.822</b>	22.875	8.625	<b>31.500</b>
Jharkhand	CCL	18.799	40.783	<b>59.582</b>	21.038	39.895	<b>60.933</b>	13.966	53.543	<b>67.509</b>
Jharkhand	JSMDCL		0.197	<b>0.197</b>		0.297	<b>0.297</b>		0.351	<b>0.351</b>
Jharkhand	DVC	0.392		<b>0.392</b>	0.180		<b>0.180</b>			<b>0.000</b>
Jharkhand	IISCO	0.558	0.014	<b>0.572</b>	0.540	0.026	<b>0.566</b>	0.415	0.001	<b>0.416</b>
Jharkhand	SAIL			<b>0.000</b>			<b>0.000</b>			<b>0.000</b>
Jharkhand	NTPC					0.100	<b>0.100</b>		2.583	<b>2.583</b>
Jharkhand	TISCO	6.225	0.008	<b>6.233</b>	6.311		<b>6.311</b>	6.213		<b>6.213</b>
Jharkhand	HIL-Kathautia								0.568	<b>0.568</b>
<b>Jharkhand</b>	<b>TOTAL</b>	<b>56.899</b>	<b>61.173</b>	<b>118.072</b>	<b>57.478</b>	<b>63.261</b>	<b>120.739</b>	<b>43.506</b>	<b>83.058</b>	<b>126.564</b>
Madhya Pradesh	NCL		46.547	<b>46.547</b>		50.485	<b>50.485</b>		56.992	<b>56.992</b>
Madhya Pradesh	WCL	0.200	5.825	<b>6.025</b>	0.115	4.579	<b>4.694</b>	0.279	4.829	<b>5.108</b>
Madhya Pradesh	SECL		12.995	<b>12.995</b>		12.645	<b>12.645</b>		14.444	<b>14.444</b>
Madhya Pradesh	SPL		16.842	<b>16.842</b>		17.101	<b>17.101</b>		17.961	<b>17.961</b>
Madhya Pradesh	JPVL		2.796	<b>2.796</b>		2.803	<b>2.803</b>		2.800	<b>2.800</b>
Madhya Pradesh	RCCPL					0.015	<b>0.015</b>		0.072	<b>0.072</b>
<b>Madhya Pradesh</b>	<b>TOTAL</b>	<b>0.200</b>	<b>85.005</b>	<b>85.205</b>	<b>0.115</b>	<b>87.628</b>	<b>87.743</b>	<b>0.279</b>	<b>97.098</b>	<b>97.377</b>
Maharashtra	WCL		36.281	<b>36.281</b>		34.798	<b>34.798</b>		43.635	<b>43.635</b>
Maharashtra	SIL		0.163	<b>0.163</b>		0.156	<b>0.156</b>		0.262	<b>0.262</b>
Maharashtra	TUML								0.173	<b>0.173</b>
<b>Maharashtra</b>	<b>TOTAL</b>	<b>0</b>	<b>36.444</b>	<b>36.444</b>	<b>0</b>	<b>34.954</b>	<b>34.954</b>	<b>0</b>	<b>44.07</b>	<b>44.07</b>
<b>Meghalaya</b>	<b>MEGHALAYA</b>		<b>3.712</b>	<b>3.712</b>		<b>2.308</b>	<b>2.308</b>		<b>1.529</b>	<b>1.529</b>
Odisha	MCL		140.214	<b>140.214</b>		143.007	<b>143.007</b>		138.262	<b>138.262</b>
Odisha	GMR		0.425	<b>0.425</b>		0.280	<b>0.280</b>		0.276	<b>0.276</b>
<b>Odisha</b>	<b>TOTAL</b>		<b>140.639</b>	<b>140.639</b>		<b>143.287</b>	<b>143.287</b>		<b>138.538</b>	<b>138.538</b>
<b>Telangana</b>	<b>SCCL</b>		<b>58.687</b>	<b>58.687</b>		<b>60.791</b>	<b>60.791</b>		<b>62.890</b>	<b>62.890</b>
<b>Uttar Pradesh</b>	<b>NCL</b>		<b>31.815</b>	<b>31.815</b>		<b>33.006</b>	<b>33.006</b>		<b>39.341</b>	<b>39.341</b>
West Bengal	ECL		20.912	<b>20.912</b>	0.003	23.275	<b>23.278</b>	0.002	26.008	<b>26.010</b>
West Bengal	BCCL	2.006	0.529	<b>2.535</b>	1.697	0.294	<b>1.991</b>	1.290	0.513	<b>1.803</b>
West Bengal	IISCO		0.153	<b>0.153</b>		0.205	<b>0.205</b>		0.373	<b>0.373</b>
West Bengal	CESC		1.874	<b>1.874</b>		1.620	<b>1.620</b>		1.764	<b>1.764</b>
<b>West Bengal</b>	<b>TOTAL</b>	<b>2.006</b>	<b>23.468</b>	<b>25.474</b>	<b>1.7</b>	<b>25.394</b>	<b>27.094</b>	<b>1.292</b>	<b>28.658</b>	<b>29.95</b>
Total Public		<b>59.213</b>	<b>547.326</b>	<b>606.539</b>	<b>59.308</b>	<b>560.401</b>	<b>619.709</b>	<b>39.167</b>	<b>615.367</b>	<b>654.534</b>
Total Private		<b>0.000</b>	<b>25.903</b>	<b>25.903</b>	<b>0.000</b>	<b>26.269</b>	<b>26.269</b>	<b>6.213</b>	<b>27.084</b>	<b>33.297</b>
All India		<b>59.213</b>	<b>573.229</b>	<b>632.442</b>	<b>59.308</b>	<b>586.670</b>	<b>645.978</b>	<b>45.380</b>	<b>642.451</b>	<b>687.831</b>

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

(Quantity in Million Tonnes)

Block	Company	State	2015-16			2016-17			2017-18		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(7)	(8)	(9)
SECL(GP-IV/2&3)	SECL(Custodian)	Chhattisgarh		2.152	<b>2.152</b>		3.464	<b>3.464</b>		4.053	4.053
SECL(GP-IV/1)	SECL(Custodian)	Chhattisgarh					0.654	<b>0.654</b>		1.301	1.301
Parsa East & Kanta Basan	RRVUNL	Chhattisgarh		6.210	<b>6.210</b>		8.267	<b>8.267</b>		8.329	8.329
Pakri Barwadih	NTPC	Jharkhand					0.100	<b>0.100</b>		2.583	2.583
Tasra	SAIL/IISCO	Jharkhand			<b>0.000</b>			<b>0.000</b>			0
<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>	<b>0.000</b>	<b>16.266</b>	<b>16.266</b>
Amelia North	JPVL	Madhya Pradesh		2.796	<b>2.796</b>		2.803	<b>2.803</b>		2.800	2.8
Belgaon	SIL	Maharashtra		0.163	<b>0.163</b>		0.156	<b>0.156</b>		0.262	0.262
Chotia	BALCO	Chhattisgarh		0.079	<b>0.079</b>		0.221	<b>0.221</b>		0.000	0
Gare Palma IV/4	HIL	Chhattisgarh		0.012	<b>0.012</b>		0.859	<b>0.859</b>		0.934	0.934
Gare Palma IV/5	HIL	Chhattisgarh					0.906	<b>0.906</b>		0.745	0.745
Kathautia	HIL	Jharkhand								0.568	0.568
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		16.842	<b>16.842</b>		17.101	<b>17.101</b>		17.961	17.961
Sarshatali	CESC	West Bengal		1.874	<b>1.874</b>		1.620	<b>1.620</b>		1.764	1.764
Talabira-I	GMR	Odisha		0.425	<b>0.425</b>		0.280	<b>0.280</b>		0.276	0.276
Sial Ghogri	RCCPL	Madhya Pradesh					0.015	<b>0.015</b>		0.072	0.072
Marki Mangli - I	TUML	Jharkhand								0.173	0.173
<b>Total Private</b>			<b>0.000</b>	<b>22.191</b>	<b>22.191</b>	<b>0.000</b>	<b>23.961</b>	<b>23.961</b>	<b>0.000</b>	<b>25.555</b>	<b>25.555</b>
<b>Grand Total</b>			<b>0.000</b>	<b>30.553</b>	<b>30.553</b>	<b>0.000</b>	<b>36.446</b>	<b>36.446</b>	<b>0.000</b>	<b>41.821</b>	<b>41.821</b>

**TABLE 3.11: GRADEWISE DESPATCH OF COKING COAL BY COMPANIES IN 2017-18**

(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)	(13)
ECL			0.002			0.037				0.002	0.037	<b>0.039</b>
BCCL	0.052	0.095	0.000	0.053	2.748	2.907	18.310			2.654	21.511	<b>24.165</b>
CCL							13.966			3.106	10.860	<b>13.966</b>
NCL										0.000	0.000	<b>0.000</b>
WCL							0.279			0.279	0.000	<b>0.279</b>
SECL			0.303							0.000	0.303	<b>0.303</b>
SECL (GP-IV/2&3)										0.000	0.000	<b>0.000</b>
SECL(GP-1)										0.000	0.000	<b>0.000</b>
MCL										0.000	0.000	<b>0.000</b>
NEC										0.000	0.000	<b>0.000</b>
<b>CIL</b>	<b>0.052</b>	<b>0.095</b>	<b>0.305</b>	<b>0.053</b>	<b>2.748</b>	<b>2.944</b>	<b>32.555</b>	<b>0.000</b>	<b>0.000</b>	<b>6.041</b>	<b>32.711</b>	<b>38.752</b>
SCCL										0.000		<b>0.000</b>
JKML										0.000		<b>0.000</b>
DVC										0.000		<b>0.000</b>
IISCO						0.093	0.322			0.415	0.000	<b>0.415</b>
SAIL										0.000	0.000	<b>0.000</b>
JSMDC										0.000	0.000	<b>0.000</b>
RRVUNL										0.000		<b>0.000</b>
NTPC										0.000		<b>0.000</b>
<b>Total Public</b>	<b>0.052</b>	<b>0.095</b>	<b>0.305</b>	<b>0.053</b>	<b>2.748</b>	<b>3.037</b>	<b>32.877</b>	<b>0.000</b>	<b>0.000</b>	<b>6.456</b>	<b>32.711</b>	<b>39.167</b>
TISCO					0.271	0.397	5.545	0.000		6.213	0.000	<b>6.213</b>
Meghalaya										0.000		<b>0.000</b>
CESC										0.000		<b>0.000</b>
HIL										0.000		<b>0.000</b>
SPL										0.000		<b>0.000</b>
GMR										0.000		<b>0.000</b>
BALCO										0.000		<b>0.000</b>
SIL										0.000		<b>0.000</b>
JPVL										0.000		<b>0.000</b>
RCCPL										0.000		<b>0.000</b>
TUML										0.000		<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>0.271</b>	<b>0.397</b>	<b>5.545</b>	<b>0.000</b>	<b>0.000</b>	<b>6.213</b>	<b>0.000</b>	<b>6.213</b>
<b>ALL INDIA</b>	<b>0.052</b>	<b>0.095</b>	<b>0.305</b>	<b>0.053</b>	<b>3.019</b>	<b>3.434</b>	<b>38.422</b>	<b>0.000</b>	<b>0.000</b>	<b>12.669</b>	<b>32.711</b>	<b>45.380</b>

**TABLE 3.12: GRADEWISE DESPATCH OF NON COKING COAL BY COMPANIES IN 2017-18**

(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	Washer y Feed			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)		(20)	(21)	
ECL			1.526	12.491	10.180	1.373	2.429	1.142													43.395	43.434
BCCL			0.358	0.000	0.035	0.974	0.835	3.978	2.559	0.399	0.000										9.138	33.303
CCL			0.309	0.861					10.913	15.338	15.912	5.047	4.374	0.789							53.543	67.509
NCL					0.447	0.000	24.615	14.870	4.645	35.711	14.349	1.696									96.333	96.333
WCL						0.293	0.201	2.603	7.999	16.021	18.346	2.746	0.255								48.464	48.743
SECL			1.995	0.425	4.332	7.062	7.652	4.284	1.988	9.841	94.115	2.273	3.269	3.902	3.991	0.306	0.000				145.435	145.738
SECL (GP-IV/2&3)												0.188		0.427		3.438					4.053	4.053
SECL(GP-1)												0.011			0.240		1.050				1.301	1.301
MCL							0.080	0.118	0.286	0.488	0.065	45.323	57.490	34.412							138.262	138.262
NEC	0.224	0.335	0.181	0.155	0.000																0.895	0.895
<b>CIL</b>	<b>0.224</b>	<b>0.335</b>	<b>4.060</b>	<b>13.380</b>	<b>15.855</b>	<b>9.702</b>	<b>35.812</b>	<b>26.995</b>	<b>28.390</b>	<b>77.798</b>	<b>142.787</b>	<b>57.284</b>	<b>79.642</b>	<b>39.530</b>	<b>4.231</b>	<b>3.744</b>	<b>1.050</b>	<b>0.000</b>	<b>0.000</b>		<b>540.819</b>	<b>579.571</b>
SCCL					0.720		3.028	7.610	6.496	17.264	10.024	0.115	13.953	0.000	3.180	0.000	0.333	0.167			62.890	62.890
JKML																		0.021			0.021	0.021
DVC																					0.000	0.000
IISCO			0.192			0.182															0.374	0.789
SAIL																					0.000	0.000
JSMDCL													0.351								0.351	0.351
RRVUNL											8.329										8.329	8.329
NTPC									2.583												2.583	2.583
<b>Total Public</b>	<b>0.224</b>	<b>0.335</b>	<b>4.060</b>	<b>13.572</b>	<b>16.575</b>	<b>9.884</b>	<b>38.840</b>	<b>34.605</b>	<b>37.469</b>	<b>95.062</b>	<b>161.140</b>	<b>57.750</b>	<b>93.595</b>	<b>39.530</b>	<b>7.411</b>	<b>3.744</b>	<b>1.383</b>	<b>0.188</b>	<b>0.000</b>		<b>615.367</b>	<b>654.534</b>
TISCO																					0.000	6.213
Meghalaya	1.529																				1.529	1.529
CESC											1.764										1.764	1.764
HIL						0.568	0.523	0.024		0.023	0.554	0.555									2.247	2.247
SPL										17.961											17.961	17.961
GMR														0.005	0.271						0.276	0.276
BALCO																					0.000	0.000
SIL							0.262														0.262	0.262
JPVL											2.800										2.800	2.800
RCCPL							0.072														0.072	0.072
TUML													0.173								0.173	0.173
<b>Total Private</b>	<b>1.529</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.568</b>	<b>0.595</b>	<b>0.286</b>	<b>0.000</b>	<b>17.984</b>	<b>5.118</b>	<b>0.728</b>	<b>0.005</b>	<b>0.271</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>		<b>27.084</b>	<b>33.297</b>
<b>ALL INDIA</b>	<b>1.753</b>	<b>0.335</b>	<b>4.060</b>	<b>13.572</b>	<b>16.575</b>	<b>10.452</b>	<b>39.435</b>	<b>34.891</b>	<b>37.469</b>	<b>113.046</b>	<b>166.258</b>	<b>58.478</b>	<b>93.600</b>	<b>39.801</b>	<b>7.411</b>	<b>3.744</b>	<b>1.383</b>	<b>0.188</b>	<b>0.000</b>		<b>642.451</b>	<b>687.831</b>

**TABLE 3.13: MODEWISE COMPANYWISE DESPATCHES OF RAW COAL IN 2017-18( External & Internal )**

(Quantity of Million Tonnes)

Company	YEAR 2017 - 18 (External)							YEAR 2017 - 18 (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	30.429	1.814	11.191				43.434							0.000	43.434
BCCL	23.856	7.966					31.822	0.574	0.907					1.481	33.303
CCL	32.740	25.362					58.102		9.407					9.407	67.509
NCL	30.246	14.573	45.318		3.157		93.294		3.039					3.039	96.333
WCL	34.170	11.580	0.533	2.046	0.414		48.743					0.000		0.000	48.743
SECL	51.554	60.623	24.888		6.446	2.227	145.738							0.000	145.738
SECL(GP-IV/2&3)		4.053					4.053							0.000	4.053
SECL(GP-1)		1.301					1.301							0.000	1.301
MCL	89.442	34.816	12.584		1.420		138.262							0.000	138.262
NEC	0.688	0.207					0.895							0.000	0.895
<b>CIL</b>	<b>293.125</b>	<b>162.295</b>	<b>94.514</b>	<b>2.046</b>	<b>11.437</b>	<b>2.227</b>	<b>565.644</b>	<b>0.574</b>	<b>13.353</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>13.927</b>	<b>579.571</b>
SCCL	38.336	16.011	8.133	0.247		0.163	62.890							0.000	62.890
JKML		0.021					0.021							0.000	0.021
JSMDCL		0.351					0.351							0.000	0.351
DVC		0.000					0.000							0.000	0.000
IISCO		0.077					0.077		0.492		0.093	0.127		0.712	0.789
SAIL	0.000	0.000					0.000							0.000	0.000
RRVUNL							0.000						8.329	8.329	8.329
NTPC	0.000	2.583					2.583							0.000	2.583
<b>Total Public</b>	<b>331.461</b>	<b>181.338</b>	<b>102.647</b>	<b>2.293</b>	<b>11.437</b>	<b>2.390</b>	<b>631.566</b>	<b>0.574</b>	<b>13.845</b>	<b>0.000</b>	<b>0.093</b>	<b>0.127</b>	<b>8.329</b>	<b>22.968</b>	<b>654.534</b>
TISCO							0.000		0.049			6.164		6.213	6.213
MEGHALAYA		1.529					1.529							0.000	1.529
CESC		1.764					1.764							0.000	1.764
HIL- GP IV/4		0.934					0.934							0.000	0.934
HIL- GP IV/5		0.745					0.745							0.000	0.745
HIL-Kathautia		0.568					0.568							0.000	0.568
GMR		0.276					0.276							0.000	0.276
BALCO		0.000					0.000							0.000	0.000
SIL	0.262						0.262							0.000	0.262
TUML		0.079					0.079		0.094					0.094	0.173
SPL					17.961		17.961							0.000	17.961
JPVL	2.800						2.800							0.000	2.800
RCCPL		0.072					0.072							0.000	0.072
<b>PRIVATE</b>	<b>3.062</b>	<b>5.967</b>	<b>0.000</b>	<b>0.000</b>	<b>17.961</b>	<b>0.000</b>	<b>26.990</b>	<b>0.000</b>	<b>0.143</b>	<b>0.000</b>	<b>0.000</b>	<b>6.164</b>	<b>0.000</b>	<b>6.307</b>	<b>33.297</b>
<b>GRAND TOTAL</b>	<b>334.523</b>	<b>187.305</b>	<b>102.647</b>	<b>2.293</b>	<b>29.398</b>	<b>2.390</b>	<b>658.556</b>	<b>0.574</b>	<b>13.988</b>	<b>0.000</b>	<b>0.093</b>	<b>6.291</b>	<b>8.329</b>	<b>29.275</b>	<b>687.831</b>

**TABLE 3.14: COMPANYWISE OFF-TAKE OF RAW COAL & LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2017-18**

(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	39.768	0.066	0.000	0.123	0.069		0.146		0.003	0.010	0.001	0.013	3.235	<b>43.434</b>	0.195	<b>43.629</b>
BCCL	27.409	0.108	0.747			0.864							4.175	<b>33.303</b>	0.024	<b>33.327</b>
CCL	42.224	0.943	3.125			0.148	0.495		0.004				20.570	<b>67.509</b>	0.001	<b>67.510</b>
NCL	85.766	5.605			0.039		0.142	0.268					4.513	<b>96.333</b>		<b>96.333</b>
WCL	38.850	1.173	0.150		1.878		0.413		0.066	0.490	0.096		5.627	<b>48.743</b>	0.005	<b>48.748</b>
SECL	113.312	6.361	0.000	0.303	2.693	0.819	3.579	1.169	0.000	0.168	0.019		17.315	<b>145.738</b>	0.011	<b>145.749</b>
SECL(GP-IV/2&3)													4.053	<b>4.053</b>		<b>4.053</b>
SECL(GP-1)													1.301	<b>1.301</b>		<b>1.301</b>
MCL	99.274	22.534	0.000		0.186	0.052	3.294	0.323		0.047			12.552	<b>138.262</b>	0.004	<b>138.266</b>
NEC	0.588	0.029			0.083								0.195	<b>0.895</b>		<b>0.895</b>
<b>CIL</b>	<b>447.191</b>	<b>36.819</b>	<b>4.022</b>	<b>0.426</b>	<b>4.948</b>	<b>1.883</b>	<b>8.069</b>	<b>1.760</b>	<b>0.073</b>	<b>0.715</b>	<b>0.116</b>	<b>0.013</b>	<b>73.536</b>	<b>579.571</b>	<b>0.240</b>	<b>579.811</b>
SCCL	52.714	3.089	0.123		2.678		0.172	0.215	0.204	0.795	0.120	0.000	2.780	<b>62.890</b>	0.000	<b>62.890</b>
JKML					0.000							0.000	0.021	<b>0.021</b>		<b>0.021</b>
JSMDC	0.250				0.000		0.000					0.101		<b>0.351</b>		<b>0.351</b>
DVC		0.000												<b>0.000</b>		<b>0.000</b>
IISCO			0.415	0.296									0.078	<b>0.789</b>		<b>0.789</b>
SAIL			0.000	0.000										<b>0.000</b>		<b>0.000</b>
RRVUNL		8.329												<b>8.329</b>		<b>8.329</b>
NTPC		2.583												<b>2.583</b>		<b>2.583</b>
<b>Total Public</b>	<b>500.155</b>	<b>50.820</b>	<b>4.560</b>	<b>0.722</b>	<b>7.626</b>	<b>1.883</b>	<b>8.241</b>	<b>1.975</b>	<b>0.277</b>	<b>1.510</b>	<b>0.236</b>	<b>0.114</b>	<b>76.415</b>	<b>654.534</b>	<b>0.240</b>	<b>654.774</b>
TISCO			6.213											<b>6.213</b>		<b>6.213</b>
MEGHALAYA													1.529	<b>1.529</b>		<b>1.529</b>
CESC	1.764													<b>1.764</b>		<b>1.764</b>
HIL- GP IV/4		0.934												<b>0.934</b>		<b>0.934</b>
HIL- GP IV/5		0.745												<b>0.745</b>		<b>0.745</b>
HIL-Kathautia		0.568												<b>0.568</b>		<b>0.568</b>
GMR		0.276												<b>0.276</b>		<b>0.276</b>
BALCO		0.000												<b>0.000</b>		<b>0.000</b>
SIL		0.073					0.187						0.002	<b>0.262</b>		<b>0.262</b>
TUML		0.094					0.079							<b>0.173</b>		<b>0.173</b>
SPL		17.961												<b>17.961</b>		<b>17.961</b>
JPVL	2.800													<b>2.800</b>		<b>2.800</b>
RCCPL					0.072									<b>0.072</b>		<b>0.072</b>
<b>Total Private</b>	<b>4.564</b>	<b>20.651</b>	<b>6.213</b>	<b>0.000</b>	<b>0.072</b>	<b>0.000</b>	<b>0.266</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.531</b>	<b>33.297</b>	<b>0.000</b>	<b>33.297</b>
<b>ALL INDIA</b>	<b>504.719</b>	<b>71.471</b>	<b>10.773</b>	<b>0.722</b>	<b>7.698</b>	<b>1.883</b>	<b>8.507</b>	<b>1.975</b>	<b>0.277</b>	<b>1.510</b>	<b>0.236</b>	<b>0.114</b>	<b>77.946</b>	<b>687.831</b>	<b>0.240</b>	<b>688.071</b>
<b>LIGNITE:</b>																
GIPCL		3.123												<b>3.123</b>		<b>3.123</b>
GMDCL		4.244	0.093		0.933	0.001			0.446	0.777	2.452	0.371	0.894	<b>10.211</b>		<b>10.211</b>
GHCL		0.054												<b>0.054</b>		<b>0.054</b>
NLCL	23.445	1.046	0.120		0.226				0.000	0.054	0.000	0.009	0.081	<b>24.981</b>		<b>24.981</b>
RSMML					0.262			0.170	0.001		0.005		0.581	<b>1.019</b>		<b>1.019</b>
VSLPPL		0.425												<b>0.425</b>		<b>0.425</b>
BLMCL		6.005												<b>6.005</b>		<b>6.005</b>
<b>TOTAL</b>	<b>23.445</b>	<b>14.897</b>	<b>0.213</b>	<b>0.000</b>	<b>1.421</b>	<b>0.001</b>	<b>0.000</b>	<b>0.170</b>	<b>0.447</b>	<b>0.831</b>	<b>2.457</b>	<b>0.380</b>	<b>1.556</b>	<b>45.818</b>	<b>0.000</b>	<b>45.818</b>

**TABLE 3.15 : AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2016-17 & 2017-18**

(Quantity in Million Tonnes)

Company	2016-17							2017-18								
	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	57.683	554.140	<b>611.823</b>	542.981	0.275	<b>543.256</b>	68.575	68.575	567.366	<b>635.941</b>	579.571	0.243	<b>579.814</b>	55.630		
SCCL	7.025	61.336	<b>68.361</b>	60.791	0.014	<b>60.805</b>	6.544	6.544	62.010	<b>68.554</b>	62.890	0.000	<b>62.890</b>	3.869		
JKML	0.013	0.010	<b>0.023</b>	0.011		<b>0.011</b>	0.012	0.012	0.014	<b>0.026</b>	0.021		<b>0.021</b>	0.005		
DVC	0.041	0.152	<b>0.193</b>	0.180		<b>0.180</b>	0.013	0.013	0.047	<b>0.060</b>	0.000		<b>0.000</b>	0.060		
IISCO	0.014	0.766	<b>0.780</b>	0.771		<b>0.771</b>	0.007	0.007	0.793	<b>0.800</b>	0.789		<b>0.789</b>	0.007		
SAIL	0.000	0.000	<b>0.000</b>	0.000		<b>0.000</b>	0.000	0.000	0.185	<b>0.185</b>	0.000		<b>0.000</b>	0.185		
JSMDCL	0.000	0.297	<b>0.297</b>	0.297		<b>0.297</b>	0.000	0.000	0.351	<b>0.351</b>	0.351		<b>0.351</b>	0.000		
RRVUNL	0.000	8.267	<b>8.267</b>	8.267		<b>8.267</b>	0.000	0.000	8.329	<b>8.329</b>	8.329		<b>8.329</b>	0.000		
NTPC	0.000	0.228	<b>0.228</b>	0.100		<b>0.100</b>	0.127	0.127	2.679	<b>2.806</b>	2.583		<b>2.583</b>	0.223		
<b>PUBLIC</b>	<b>64.776</b>	<b>625.196</b>	<b>689.972</b>	<b>613.398</b>	<b>0.289</b>	<b>613.687</b>	<b>75.278</b>	<b>75.278</b>	<b>641.774</b>	<b>717.052</b>	<b>654.534</b>	<b>0.243</b>	<b>654.777</b>	<b>59.979</b>		
TISCO	0.007	6.316	<b>6.323</b>	6.311		<b>6.311</b>	0.011	0.011	6.224	<b>6.235</b>	6.213		<b>6.213</b>	0.024		
Meghalaya	0.000	2.308	<b>2.308</b>	2.308		<b>2.308</b>	0.000	0.000	1.529	<b>1.529</b>	1.529		<b>1.529</b>	0.000		
SPL	0.326	16.997	<b>17.323</b>	17.101		<b>17.101</b>	0.222	0.222	18.003	<b>18.225</b>	17.961		<b>17.961</b>	0.264		
CESC	0.003	1.742	<b>1.745</b>	1.620		<b>1.620</b>	0.125	0.125	1.878	<b>2.003</b>	1.764		<b>1.764</b>	0.240		
HIL	0.057	2.000	<b>2.057</b>	1.765		<b>1.765</b>	0.291	0.291	2.414	<b>2.705</b>	2.247		<b>2.247</b>	0.457		
GMR	0.136	0.151	<b>0.287</b>	0.280		<b>0.280</b>	0.006	0.006	0.270	<b>0.276</b>	0.276		<b>0.276</b>	0.000		
BALCO	0.041	0.180	<b>0.221</b>	0.221		<b>0.221</b>	0.000	0.000	0.000	<b>0.000</b>	0.000		<b>0.000</b>	0.000		
SIL	0.011	0.153	<b>0.164</b>	0.156		<b>0.156</b>	0.008	0.008	0.270	<b>0.278</b>	0.262		<b>0.262</b>	0.017		
JPVL	0.004	2.800	<b>2.804</b>	2.803		<b>2.803</b>	0.001	0.001	2.800	<b>2.801</b>	2.800		<b>2.800</b>	0.001		
RCCPL	0.000	0.025	<b>0.025</b>	0.015		<b>0.015</b>	0.010	0.010	0.063	<b>0.073</b>	0.072		<b>0.072</b>	0.000		
TUML			<b>0.000</b>			<b>0.000</b>			0.175	<b>0.175</b>	0.173		<b>0.173</b>	0.002		
<b>PRIVATE</b>	<b>0.585</b>	<b>32.672</b>	<b>33.257</b>	<b>32.580</b>	<b>0.000</b>	<b>32.580</b>	<b>0.674</b>	<b>0.674</b>	<b>33.626</b>	<b>34.300</b>	<b>33.297</b>	<b>0.000</b>	<b>33.297</b>	<b>1.005</b>		
<b>INDIA</b>	<b>65.361</b>	<b>657.868</b>	<b>723.229</b>	<b>645.978</b>	<b>0.289</b>	<b>646.267</b>	<b>75.952</b>	<b>75.952</b>	<b>675.400</b>	<b>751.352</b>	<b>687.831</b>	<b>0.243</b>	<b>688.074</b>	<b>60.984</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)
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	76.889	91.78	17.64	6.883	8.22	43.13	83.772	19.38
2017-18	60.984	89.43	-20.69	7.210	10.57	4.75	68.194	-18.60

**TABLE-4.2 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2017-18**

(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-17	68.418	4.750	0.168	0.624	0.749	0	0.114
May-17	62.478	3.555	0.123	0.355	0.745	0	0.149
Jun-17	55.895	4.260	0.122	0.229	0.659	0	0.079
<b>1st Quarter</b>	<b>55.895</b>	<b>4.260</b>	<b>0.122</b>	<b>0.229</b>	<b>0.659</b>	<b>0.000</b>	<b>0.079</b>
Jul-17	48.287	3.103	0.113	0.322	0.606	0	0.071
Aug-17	42.111	3.595	0.115	0.234	0.621	0	0.068
Sep-17	36.934	4.580	0.102	0.185	0.566	0	0.087
<b>2nd Quarter</b>	<b>36.934</b>	<b>4.580</b>	<b>0.102</b>	<b>0.185</b>	<b>0.566</b>	<b>0.000</b>	<b>0.087</b>
Oct-17	33.629	4.462	0.129	0.119	0.573	0	0.084
Nov-17	32.875	4.158	0.120	0.319	0.580	0	0.075
Dec-17	33.833	4.979	0.137	0.260	0.568	0	0.108
<b>3rd Quarter</b>	<b>33.833</b>	<b>4.979</b>	<b>0.137</b>	<b>0.260</b>	<b>0.568</b>	<b>0.000</b>	<b>0.108</b>
Jan-18	37.254	5.411	0.135	0.277	0.587	0	0.139
Feb-18	42.913	6.052	0.141	0.222	0.603	0	0.089
Mar-18	60.984	7.210	0.126	0.355	0.610	0	0.106
<b>4th Quarter</b>	<b>60.984</b>	<b>7.210</b>	<b>0.126</b>	<b>0.355</b>	<b>0.610</b>	<b>0.000</b>	<b>0.106</b>

**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	2015-16		2016-17		2017-18	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<b>COAL :</b>						
ECL	5.055	7.73	2.553	3.32	2.496	4.09
BCCL	4.016	6.14	6.199	8.06	5.416	8.88
CCL	11.460	17.53	17.574	22.86	13.469	22.09
NCL	6.590	10.08	7.195	9.36	3.441	5.64
WCL	8.007	12.25	14.142	18.39	11.614	19.04
SECL	11.876	18.17	13.010	16.92	7.414	12.16
SECL(GP-IV/2&3)	0.126	0.19	1.142	1.49	0.317	0.52
SECL(GP-IV/1)			0.190	0.25	0.216	0.35
MCL	10.194	15.60	6.387	8.31	11.178	18.33
NEC	0.359	0.55	0.183	0.24	0.069	0.11
<b>CIL</b>	<b>57.683</b>	<b>88.25</b>	<b>68.575</b>	<b>89.19</b>	<b>55.630</b>	<b>91.22</b>
SCCL	7.025	10.75	7.481	9.73	3.869	6.34
JKML	0.013	0.02	0.012	0.02	0.005	0.01
DVC	0.041	0.06	0.013	0.02	0.060	0.10
IISCO	0.014	0.02	0.007	0.01	0.007	0.01
SAIL	0.000	0.00	0.000	0.00	0.185	0.30
JSMDCL	0.000	0.00	0.000	0.00	0.000	0.00
RRVUNL	0.000	0.00	0.000	0.00	0.000	0.00
NTPC			0.127	0.17	0.223	0.37
<b>PUBLIC</b>	<b>64.776</b>	<b>99.10</b>	<b>76.215</b>	<b>99.12</b>	<b>59.979</b>	<b>98.35</b>
TISCO	0.007	0.01	0.011	0.01	0.024	0.04
Meghalaya	0.000	0.00	0.000	0.00	0.000	0.00
HIL	0.057	0.09	0.291	0.38	0.457	0.75
SIL	0.011	0.02	0.008	0.01	0.017	0.03
SPL	0.326	0.50	0.222	0.29	0.264	0.43
GMR	0.136	0.21	0.006	0.01	0.000	0.00
BALCO	0.041	0.06	0.000	0.00	0.000	0.00
CESC	0.003	0.00	0.125	0.16	0.240	0.39
JPVL	0.004	0.01	0.001	0.00	0.001	0.00
RCCPL			0.010	0.01	0.000	0.00
TUML			0.000	0.00	0.002	0.00
<b>PRIVATE</b>	<b>0.585</b>	<b>0.90</b>	<b>0.674</b>	<b>0.88</b>	<b>1.005</b>	<b>1.65</b>
<b>ALL INDIA</b>	<b>65.361</b>	<b>100.00</b>	<b>76.889</b>	<b>100.00</b>	<b>60.984</b>	<b>100.00</b>
<b>LIGNITE :</b>						
NLC	4.573	95.09	6.612	96.06	6.784	94.09
GMDCL	0.000		0.000	0.00	0.000	0.00
GIPCL	0.000		0.000	0.00	0.000	0.00
GHCL	0.011	0.23	0.012	0.17	0.014	0.19
RSMML	0.000		0.000	0.00	0.000	0.00
VSLPPL	0.031		0.062	0.90	0.062	0.86
BLMCL	0.194	4.03	0.197	2.86	0.350	4.85
<b>ALL INDIA</b>	<b>4.809</b>	<b>99.36</b>	<b>6.883</b>	<b>100.00</b>	<b>7.210</b>	<b>100.00</b>
<b>COAL &amp; LIGNITE</b>	<b>70.170</b>		<b>83.772</b>		<b>68.194</b>	

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

(Quantity in Million Tonnes)

Block	Company	State	2015-16			2016-17			2017-18		
			Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal	Coking Coal	Non Coking Coal	Total Coal
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Gare Palma IV/2&3	SECL	Chhattisgarh		0.126	<b>0.126</b>		1.142	<b>1.142</b>		0.317	<b>0.317</b>
Gare Palma IV/1	SECL	Chhattisgarh					0.190	<b>0.190</b>		0.216	<b>0.216</b>
Tasra	SAIL/IISCO	Jharkhand		0.000	<b>0.000</b>		0.000	<b>0.000</b>	0.184	0.001	<b>0.185</b>
Parsa East & Kanta Basan	RRUVNL	Chhattisgarh		0.000	<b>0.000</b>		0.000	<b>0.000</b>		0.000	<b>0.000</b>
Pakri Barwadih	NTPC	Jharkhand					0.127	<b>0.127</b>		0.223	<b>0.223</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>	<b>0.184</b>	<b>0.757</b>	<b>0.941</b>
Belgaon	SIL	Maharashtra		0.011	<b>0.011</b>		0.008	<b>0.008</b>		0.017	<b>0.017</b>
Chotia	BALCO	Chhattisgarh		0.041	<b>0.041</b>		0.000	<b>0.000</b>		0.000	<b>0.000</b>
Gare Palma IV/4	HIL	Chhattisgarh		0.057	<b>0.057</b>		0.197	<b>0.197</b>		0.201	<b>0.201</b>
Gare Palma IV/5	HIL	Chhattisgarh					0.094	<b>0.094</b>		0.024	<b>0.024</b>
Kauthatia	HIL	Jharkhand								0.232	<b>0.232</b>
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		0.326	<b>0.326</b>		0.222	<b>0.222</b>		0.264	<b>0.264</b>
Sarshatali	CESC	West Bengal		0.003	<b>0.003</b>		0.125	<b>0.125</b>		0.240	<b>0.240</b>
Talabira I	GMR	Odisha		0.136	<b>0.136</b>		0.006	<b>0.006</b>		0.000	<b>0.000</b>
Amelia North	JPVL	Madhya Pradesh					0.001	<b>0.001</b>		0.001	<b>0.001</b>
Sial Ghogri	RCCPL	Madhya Pradesh					0.010	<b>0.010</b>		0.000	<b>0.000</b>
Marki Mangli I	TUML	Maharashtra								0.002	<b>0.002</b>
<b>Total Private</b>			<b>0.000</b>	<b>0.574</b>	<b>0.574</b>	<b>0.000</b>	<b>0.663</b>	<b>0.663</b>	<b>0.000</b>	<b>0.981</b>	<b>0.981</b>
<b>Grand Total</b>			<b>0.000</b>	<b>0.700</b>	<b>0.700</b>	<b>0.000</b>	<b>2.122</b>	<b>2.122</b>	<b>0.184</b>	<b>1.738</b>	<b>1.922</b>

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

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

Year	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2008-09	21.080	226140.12	37.923	187268.24	<b>59.003</b>	<b>413408.35</b>	1.881	46050.69		
2009-10	24.690	201311.00	48.565	190489.00	<b>73.255</b>	<b>391800.00</b>	2.355	33311.00		
2010-11	19.484	208620.70	49.434	206875.09	<b>68.918</b>	<b>415495.80</b>	1.490	31203.55		
2011-12	31.801	424692.34	71.052	363683.49	<b>102.853</b>	<b>788375.83</b>	2.365	47584.54		
2012-13	35.557	378398.09	110.228	490056.94	<b>145.785</b>	<b>868455.02</b>	3.081	56918.82	0.0006	10.22
2013-14	36.872	348318.65	129.985	574973.16	<b>166.857</b>	<b>923291.81</b>	4.171	67994.89	0.0013	23.73
2014-15	43.715	337655.59	174.068	707410.50	<b>217.783</b>	<b>1045066.09</b>	3.294	43806.15	0.0006	17.03
2015-16	44.561	282519.09	159.388	577818.53	<b>203.949</b>	<b>860337.62</b>	3.072	32683.54	0.0010	14.83
2016-17	41.644	412300.61	149.309	590013.33	<b>190.953</b>	<b>1002313.94</b>	4.346	54019.35	0.0191	433.29
2017-18	47.003	595226.36	161.269	789543.41	<b>208.273</b>	<b>1384769.77</b>	4.585	91524.74	0.0104	116.50

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

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

Year	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2008-09	0.109	244.96	1.546	3239.60	<b>1.655</b>	<b>3484.56</b>	1.338	7246.43		
2009-10	0.270	695.53	2.180	4346.64	<b>2.450</b>	<b>5042.17</b>	0.129	2080.04		
2010-11	0.111	265.00	1.764	4544.27	<b>1.875</b>	<b>4809.274</b>	0.729	11646.64		
2011-12	0.097	286.72	1.917	5525.35	<b>2.015</b>	<b>5812.072</b>	0.613	11524.78		
2012-13	0.056	302.18	2.387	8349.02	<b>2.443</b>	<b>8651.191</b>	1.201	6017.15	0.0691	360.27
2013-14	0.008	34.94	2.180	10805.12	<b>2.188</b>	<b>10840.068</b>	0.154	1521.38	0.0019	61.13
2014-15	0.042	413.03	1.196	6784.24	<b>1.238</b>	<b>7197.274</b>	0.102	1140.32	0.0028	39.81
2015-16	0.064	650.37	1.511	8348.06	<b>1.575</b>	<b>8998.433</b>	0.149	1493.51	0.0005	8.73
2016-17	0.027	114.53	1.746	9554.72	<b>1.773</b>	<b>9669.247</b>	0.089	1063.43	0.0054	305.12
2017-18	0.068	394.41	1.435	8382.61	<b>1.503</b>	<b>8777.016</b>	0.108	1730.13	0.0044	292.56

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

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

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

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

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

**TABLE 5.3 : SOURCE COUNTRY-WISE IMPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2017-18**

( 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	35.761	449536.09	10.384	88708.38	<b>46.145</b>	<b>538244.48</b>	0.4907	9527.74		
Austria	0.016	301.85			<b>0.016</b>	<b>301.85</b>				
Canada	3.301	40391.05	0.261	2299.48	<b>3.562</b>	<b>42690.53</b>		0.10		
Chile			0.273	1004.90	<b>0.273</b>	<b>1004.90</b>	0.0271	320.80		
China P Rp	0.172	2981.87	0.059	952.62	<b>0.231</b>	<b>3934.49</b>	1.8282	37484.69	0.00039	4.72
Colombia			0.331	1946.76	<b>0.331</b>	<b>1946.76</b>	0.5805	9416.43		
Denmark				0.02	<b>0.000</b>	<b>0.02</b>				
Egypt A Rp					<b>0.000</b>	<b>0.00</b>	0.1027	2187.43	0.01000	111.22
Estonia					<b>0.000</b>	<b>0.00</b>	0.0000	0.42		
Finland			0.023	197.58	<b>0.023</b>	<b>197.58</b>	0.0001	1.18		
Germany			0.000	0.72	<b>0.000</b>	<b>0.72</b>	0.0002	3.19		
Indonesia	1.086	13482.15	94.728	387509.71	<b>95.814</b>	<b>400991.86</b>				
Iran	0.000	0.22			<b>0.000</b>	<b>0.22</b>	0.0020	37.68		
Ireland					<b>0.000</b>	<b>0.00</b>	0.0001	1.26		
Italy					<b>0.000</b>	<b>0.00</b>		0.03		
Japan					<b>0.000</b>	<b>0.00</b>	0.6043	12506.61		
Korea Rp					<b>0.000</b>	<b>0.00</b>	0.0163	400.07		
Kuwait			0.000	1.65	<b>0.000</b>	<b>1.65</b>				
Latvia			0.164	1482.56	<b>0.164</b>	<b>1482.56</b>	0.0037	53.50		
Lithuania					<b>0.000</b>	<b>0.00</b>	0.0008	14.02		
Malaysia					<b>0.000</b>	<b>0.00</b>	0.0001	1.81		
Mexico					<b>0.000</b>	<b>0.00</b>	0.0493	918.64		
Mozambique	2.382	28465.59	3.532	20219.56	<b>5.914</b>	<b>48685.16</b>				
Netherland			0.000	5.80	<b>0.000</b>	<b>5.80</b>	0.0000	0.21		
New Zealand	0.602	7543.39			<b>0.602</b>	<b>7543.39</b>				
Philippines			0.094	414.19	<b>0.094</b>	<b>414.19</b>				
Poland					<b>0.000</b>	<b>0.00</b>	0.7295	15543.11		
Russia	0.389	3522.10	3.909	30468.98	<b>4.297</b>	<b>33991.08</b>	0.1368	2996.06		
Saudi Arab					<b>0.000</b>	<b>0.00</b>	0.0008	10.19		
South Africa	0.004	71.22	38.489	196970.75	<b>38.493</b>	<b>197041.97</b>				
Spain			0.000	4.23	<b>0.000</b>	<b>4.23</b>	0.0003	7.62		
Thailand			0.005	32.27	<b>0.005</b>	<b>32.27</b>				
U K	0.002	46.11	0.001	17.63	<b>0.003</b>	<b>63.75</b>	0.0003	7.06		
U S A	3.285	48848.60	8.746	54701.58	<b>12.032</b>	<b>103550.18</b>	0.0109	84.61	0.00002	0.56
Vietnam Soc Rep			0.210	2378.74	<b>0.210</b>	<b>2378.74</b>	0.0000	0.30		
Unspecified	0.004	36.11	0.060	225.29	<b>0.064</b>	<b>261.40</b>				
<b>TOTAL</b>	<b>47.003</b>	<b>595226.36</b>	<b>161.269</b>	<b>789543.41</b>	<b>208.273</b>	<b>1384769.77</b>	<b>4.5848</b>	<b>91524.74</b>	<b>0.01041</b>	<b>116.50</b>

Source: DGCI &amp; S , KOLKATA

**TABLE 5.4 : DESTINATION COUNTRY-WISE EXPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2017-18**

( 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)
Algeria					0.000	0.00			0.00005	6.42
Australia			0.000	0.96	0.000	0.96				
Azerbaijan					0.000	0.00			0.00008	11.49
Baharain Is			0.000	1.53	0.000	1.53				
Bangladesh Pr			0.758	3215.40	0.758	3215.40	0.0009	13.34		
Bhutan	0.000	1.06	0.044	507.80	0.045	508.86	0.0545	1241.90	0.00073	19.62
Brunei					0.000	0.00			0.00002	2.29
China P Rp				0.01	0.000	0.01				
Egypt A Rp			0.000	0.03	0.000	0.03				
Germany				0.00	0.000	0.00				
Ghana					0.000	0.00	0.0000	0.42		
Greece			0.000	0.44	0.000	0.44				
Indonesia					0.000	0.00	0.0000	0.67	0.00003	4.62
Jordan			0.000	0.37	0.000	0.37	0.0003	9.69		
Kenya			0.000	0.13	0.000	0.13	0.0000	0.28		
Kuwait			0.000	0.05	0.000	0.05				
Malaysia			0.000	1.52	0.000	1.52			0.00005	6.85
Maldives			0.000	0.02	0.000	0.02				
Mauritius			0.000	0.15	0.000	0.15				
Mexico					0.000	0.00			0.00006	9.12
Mozambique			0.000	0.02	0.000	0.02				
Myanmar					0.000	0.00			0.00020	6.60
Nepal	0.068	393.35	0.628	4593.64	0.696	4986.99	0.0454	318.73	0.00126	6.98
Netherland					0.000	0.00			0.00005	6.85
Nigeria			0.000	2.23	0.000	2.23	0.0001	1.19		
Oman			0.001	12.34	0.001	12.34	0.0013	22.99	0.00045	64.01
Pakistan Ir					0.000	0.00	0.0039	89.67	0.00021	5.74
Philippines			0.000	10.80	0.000	10.80				
Qatar			0.000	1.09	0.000	1.09				
Russia					0.000	0.00			0.00018	28.90
Saudi Arab			0.000	1.71	0.000	1.71	0.0006	14.82	0.00068	76.18
Singapore			0.000	0.04	0.000	0.04			0.00008	12.06
South Africa				0.00	0.000	0.00	0.0002	5.24		
Sri Lanka Dsr					0.000	0.00	0.0003	7.72	0.00010	2.30
Sudan				0.01	0.000	0.01	0.0001	2.05		
Thailand				0.00	0.000	0.00		0.01		
U Arab Emts			0.002	28.27	0.002	28.27	0.0001	1.40	0.00007	7.64
U S A					0.000	0.00			0.00011	14.41
Vietnam Soc Rep					0.000	0.00			0.00000	0.47
Unspecified			0.001	4.05	0.001	4.05				
<b>TOTAL</b>	<b>0.068</b>	<b>394.41</b>	<b>1.435</b>	<b>8382.61</b>	<b>1.503</b>	<b>8777.02</b>	<b>0.1076</b>	<b>1730.13</b>	<b>0.00441</b>	<b>292.56</b>

Source: DGCI &amp; S, KOLKATA

**TABLE 5.5 : PORT WISE IMPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2017-18**

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

Port	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Ahmedabad Air Cargo Complex					0.000	0.00			0.0000	0.06
Appiic Multi Prod Sez Vizag Dc			0.092	394.42	0.092	394.42	0.046	838.11		
Bangalore Airport			0.000	0.01	0.000	0.01		0.01		
Bedi Sea			2.535	10011.48	2.535	10011.48				
Bhavnagar			0.414	1979.46	0.414	1979.46				
Cfs Patparganj					0.000	0.00	0.000	0.04		
Chennai Air				0.02	0.000	0.02				
Chennai Sea	0.001	29.78	0.022	522.24	0.023	552.02	0.011	253.43	0.0003	3.55
Cochin Sea			0.044	164.29	0.044	164.29	0.000	2.86		
Dehej Sea			6.170	28095.40	6.170	28095.40				
Delhi Air				0.08	0.000	0.08				
Dhahanu Sea			0.365	1789.39	0.365	1789.39				
Dhamra(Chandbali)	6.387	82844.74	5.478	36377.72	11.866	119222.46				
Dharmatar Sea			2.307	9764.57	2.307	9764.57	0.262	6009.03		
Dighi Port Mumbai			0.120	606.37	0.120	606.37				
Ennore Sea	0.178	2743.04	6.928	27367.71	7.106	30110.76				
Gangavaram Port	5.412	71311.14	11.093	54811.31	16.505	126122.45				
Hazira Port, Surat	0.001	16.33	5.104	21216.39	5.105	21232.72				
Hetero Infra Sez Nakkapalli Ap			0.010	23.30	0.010	23.30				
Hyderabad Airport	0.000	0.03			0.000	0.03	0.000	0.08		
lcd Bangalore					0.000	0.00	0.000	0.42		
lcd Bhusawal					0.000	0.00	0.003	48.77		
lcd Durgapur, Wb			0.010	268.99	0.010	268.99				
lcd Nagpur			0.001	19.83	0.001	19.83				
lcd Raipur			0.001	21.13	0.001	21.13				
lcd Rewari					0.000	0.00	0.000	2.08		
lcd Sabarmati					0.000	0.00	0.000	0.59		
lcd Sahnewal, Grfl			0.000	0.90	0.000	0.90				
lcd Tondiar-Pet Chennai			0.000	2.10	0.000	2.10				
Jabilant Infra Ltd Kandla			0.036	121.29	0.036	121.29				
Jaigad	1.633	21038.18	4.314	21321.22	5.947	42359.40	0.168	3352.89		
Jaigaon	0.000	1.51	0.000	1.63	0.000	3.13				
Jakhav			0.169	842.45	0.169	842.45				
Kakinada Sea			0.739	3133.11	0.739	3133.11				
Kandla Sea	0.572	7255.41	12.253	64792.38	12.825	72047.79	0.024	509.90		
Karikal	0.599	7954.39	4.717	22171.05	5.315	30125.44				
Kattupalli Port/ Tiruvallur			0.000	5.33	0.000	5.33				
Kodinar Sea			0.296	1569.36	0.296	1569.36				
Kolkata Air	0.000	0.04	0.000	1.19	0.000	1.23				
Kolkata Sea	6.628	86875.20	3.484	22697.51	10.112	109572.71	0.490	9888.64		
Krishnapatnam	2.121	26402.90	16.724	76424.14	18.845	102827.04	0.842	18385.69		
Magdalla Port Sea	0.846	8184.17	6.132	30475.90	6.978	38660.07	1.137	23389.04		
Mangalore Sez			0.016	69.58	0.016	69.58				
Marmagoa Sea	5.675	66443.20	4.472	30660.54	10.147	97103.74	0.160	3300.07		
Muldwarka			0.034	137.80	0.034	137.80				
Mumbai Air		0.24	0.000	1.40	0.000	1.63		0.21		
Mumbai Sea			2.356	12151.49	2.356	12151.49				
Mundra	0.967	10847.11	18.731	89538.66	19.698	100385.77	0.002	27.73		
Navlakhi			4.918	22088.40	4.918	22088.40				
Newmangalore Sea	0.159	2308.65	5.505	29404.39	5.664	31713.04	0.398	8198.18		
Nhava Sheva Sea			0.002	55.65	0.002	55.65	0.001	25.10	0.0001	1.28
Okha	0.211	2320.93	0.525	2902.78	0.737	5223.71				
Paradip Sea	10.068	127738.85	9.755	56713.59	19.823	184452.44	0.639	10683.71		
Pipavab(Vicyor)	0.037	454.27	0.659	3771.76	0.697	4226.04	0.009	108.51	0.0100	111.22
Porbandar			0.288	1596.07	0.288	1596.07				
Ramki Pharma City (India) Pvt			0.005	12.86	0.005	12.86				
Ranpar			0.115	426.91	0.115	426.91				
Revdanda			0.727	3380.04	0.727	3380.04				
Saraf Agencies Pvt Ltd			0.003	27.34	0.003	27.34				
Sez Dahej			0.018	78.59	0.018	78.59				
Sez Mundra			10.653	43740.36	10.653	43740.36				
Tuticorin Sea			6.520	25835.00	6.520	25835.00	0.006	204.21		
Visakhapatnam Sea	5.507	70456.25	6.411	29956.52	11.918	100412.77	0.386	6295.43	0.0000	0.40
Other Ports					0.000	0.00				
<b>TOTAL</b>	<b>47.003</b>	<b>595226.36</b>	<b>161.269</b>	<b>789543.41</b>	<b>208.273</b>	<b>1384769.77</b>	<b>4.58478</b>	<b>91524.74</b>	<b>0.01041</b>	<b>116.50</b>

Source: DGCI &amp; S, KOLKATA



**TABLE 5.6 : PORT WISE EXPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2017-18**

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

Port	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal		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	0.68	0.000	0.68				
Bangalore Airport					0.000	0.00		0.00		
Barhni	0.000	0.86	0.036	315.02	0.036	315.87	0.014	112.97	0.0001	0.34
Borsorah			0.568	2339.77	0.568	2339.77				
Chasuapara			0.102	487.61	0.102	487.61				
Chengrabandha Rly.Station			0.000	0.63	0.000	0.63				
Chennai Air					0.000	0.00		0.00		
Chennai Sea			0.000	0.02	0.000	0.02			0.0000	0.17
Dalu			0.010	45.29	0.010	45.29				
Delhi (lcd)			0.000	0.20	0.000	0.20				
Golokgans Rly.Stn			0.005	23.88	0.005	23.88				
Gouriphanta			0.014	108.20	0.014	108.20				
Hatisar (Deosiri)			0.003	27.56	0.003	27.56				
lcd Durgapur, Wb					0.000	0.00	0.000	0.42		
lcd Hyderabad			0.000	0.44	0.000	0.44				
lcd Ludhiana				0.01	0.000	0.01				
lcd Nagpur			0.000	1.39	0.000	1.39				
lcd Sahnewal, Grfl			0.000	0.03	0.000	0.03				
lcd Tuticorin					0.000	0.00	0.000	0.02		
lcd Vadodara/Baroda			0.000	0.12	0.000	0.12				
Jaigaon	0.000	1.06	0.035	428.57	0.035	429.63	0.054	1241.90	0.0007	19.62
Jogbani	0.001	3.39	0.002	13.30	0.003	16.69	0.001	7.41		
Joynagar			0.000	0.10	0.000	0.10				
Kattupalli Port/ Tiruvallur			0.000	0.26	0.000	0.26				
Kolkata Air				0.01	0.000	0.01				
Kolkata Sea			0.000	0.87	0.000	0.87	0.000	5.24		
Lcs Birpara Alipurduar			0.006	51.89	0.006	51.89				
Mahindra World City (Jaipur)			0.000	0.02	0.000	0.02				
Mankachar			0.000	0.78	0.000	0.78				
Mumbai Air				0.00	0.000	0.00				
Mundra			0.002	33.00	0.002	33.00	0.005	126.28	0.0022	249.66
Nautanwa (Sonauli)	0.067	388.32	0.053	398.40	0.120	786.72	0.004	28.98	0.0002	0.53
Nepalganj			0.036	275.94	0.036	275.94	0.004	34.17		
Nhava Sheva Sea			0.000	13.17	0.000	13.17	0.000	1.21	0.0002	16.13
Panitanki			0.438	3200.77	0.438	3200.77	0.008	51.18	0.0010	6.10
Petrapole Land			0.000	0.50	0.000	0.50	0.001	13.34		
Raxaul Land	0.000	0.77	0.048	277.45	0.048	278.22	0.015	84.04		
Sonbarsa			0.000	0.57	0.000	0.57				
Sutarkandi			0.073	320.84	0.073	320.84				
Toothibari, Maharajganj			0.000	3.22	0.000	3.22				
Visakhapatnam Sea			0.001	12.11	0.001	12.11	0.001	22.99		
Unspecified					0.000	0.00				
<b>TOTAL</b>	<b>0.068</b>	<b>394.41</b>	<b>1.435</b>	<b>8382.61</b>	<b>1.503</b>	<b>8777.02</b>	<b>0.108</b>	<b>1730.13</b>	<b>0.0044</b>	<b>292.56</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 2017-18**

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	52	15232.31
	Commercial Mining	15	1896.81
	NRS	6	494.15
	<b>TOTAL</b>	<b>73</b>	<b>17623.27</b>
Private Companies	Power	6	318.450
	UMPP	8	3730.54
	NRS	20	436.26
	<b>TOTAL</b>	<b>34</b>	<b>4485.25</b>
ALL INDIA	Power	58	15550.76
	Commercial Mining	15	1896.81
	UMPP	8	3730.54
	NRS	26	930.41
	<b>TOTAL</b>	<b>107</b>	<b>22108.521</b>
<b>B. LIGNITE BLOCKS</b>			
State PSU	Power	10	1027.60
	Commercial	9	462.40
	<b>Subtotal</b>	<b>19</b>	<b>1490.00</b>
Private	Power	1	44.70
	Commercial	1	7.80
	<b>Subtotal</b>	<b>2</b>	<b>52.50</b>
ALL INDIA	Power	11	1072.3
	Commercial	10	470.2
	<b>Grand Total</b>	<b>21</b>	<b>1542.50</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 (including some newly Allotted coal 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 2017-18**

(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			20	437.25	7	364.863	69	7610.943
2016	3	1399.330			4	222.35	6	1360.108	13	2981.788
2017	1	393.60			1	18.93			2	412.530
2018	0	0.00	0	0.000	0	0.00	0	0.000	0	0.000
<b>Total</b>	<b>47</b>	<b>10037.76</b>	<b>8</b>	<b>3730.54</b>	<b>26</b>	<b>930.41</b>	<b>13</b>	<b>1724.971</b>	<b>94</b>	<b>16423.681</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 including blocks allotted under auction by Competitive Bidding Rules, 2012 during 2017-18**

(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
Telangana	1	45.36					1	110.9	2	156.23
Chhattisgarh	12	4116.550	2	1113.67	4	119.07	5	625.038	23	5974.33
Jharkhand	15	4885.330	2	1141.87	11	469.91	1	200.00	29	6697.11
Maharashtra	7	430.35	1	100.00	5	46.04	1	11.54	14	587.93
Madhya Pradesh	2	925.60	2	575.00	3	105.09	3	152.67	10	1758.36
Orisha	11	4818.290	1	800.00	2	171.370	2	660.90	16	6450.56
West Bengal	10	329.28			1	18.93	1	131.00	12	479.21
<b>Total</b>	<b>58</b>	<b>15550.76</b>	<b>8</b>	<b>3730.54</b>	<b>26</b>	<b>930.41</b>	<b>15</b>	<b>1896.811</b>	<b>107</b>	<b>22108.521</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 (including some newly Allotted coal blocks), original GR have been shown as per available data.

**TABLE 6.4: COAL PRODUCTION FROM CAPTIVE BLOCKS SINCE 1997-98, PROJECTION FOR XII 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
<b>XI th Five Year Plan</b>											
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
<b>XII th Five Year Plan</b>											
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 to 2017-18 PROJECTED ON CCO ESTIMATES AND AS PER MINE**

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	12	33.50	11	7.60	2	5.00	25	46.100
2016-17	Achvmt	7	27.381	6	5.15679	2	4.896	15	37.434
2017-18	Target	8	43.540	9	7.800	3	12.25	20	63.590
2017-18	Achvmt	7	31.158	7	5.722	3	4.42	17	41.300

41.620

**Table - 6.5 : LIGNITE BLOCKS STAND ALLOCATED TILL 31/03/2018**

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 Igiya	RSMML	1	Pub		Commercial	Producing
4	Rajasthan	06.09.2004	Soneri	RSMML	1	Pub	42.6	Power	Non-producing
5	Rajasthan	01.07.2005	Gurha(W)	RSMML	1	Pub	37.5	Power	Non-producing
6	Rajasthan	01.07.2005	Gurha(E)	V.S Lig	1	Pvt	44.7	Power	Producing
7	Rajasthan	13.11.2006	Kapurdi	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
11	Rajasthan	07.02.2007	Mondal Charan	Indure Pvt.Ltd	1	Pvt	17.7	Power	Non-producing
12	Rajasthan	07.02.2007	Indawar	Nandlal Enterprise Ltd	1	Pvt	12.0	Power	Non-producing
13	Rajasthan	07.02.2007	Kapriion-Ki-Dhani	DCM Shriram	1	Pvt	17.0	Power	Non-producing
14	Rajasthan	07.02.2007	Nimbri Chandrabadan	Binani Cement Ltd.	1	Pvt	8.2	Power	Non-producing
<b>Total</b>					<b>14</b>		<b>847.4</b>		
<b>Grand Total</b>					<b>25</b>		<b>1603.1</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 2017-18**

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	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	Penagaddppa		1	Telangana	110.87	15.12.16	Allotted	M/s. Singareni Collieries Co. Ltd.	PSU(C)	Commercial
<b>TOTAL TELANGANA POWER</b>			<b>1</b>		<b>110.87</b>					
3	Gare Palma Sector-I	III	1	CH	194.00	14.09.15	Allotted	Gujarat State Electricity Corporation Limited	PSU(S)	Power
4	Talaipalli	III	1	CH	861.25	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
5-6	Gidhmuri & Paturia	III	2	CH	257.83	13.10.15	Allotted	Chhattisgarh State Power Generation Co Ltd	PSU(S)	Power
7	Parsa	III	1	CH	184.26	08.09.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
8	Gare Pelma Sector II	III	1	CH	655.15	31.08.15	Allotted	Maharashtra State Power Generation Co Ltd	PSU(S)	Power
9-10	Parsa East & Kanta Basan	II	2	CH	450.97	31.03.15	Allotted	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	PSU(S)	Power
11	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>2737.550</b>					
12	Madanpur South		1	CH	175.238	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corp. Ltd.	PSU(S)	Commercial
<b>TOTAL CHHATTISGARH COMMERCIAL</b>			<b>1</b>		<b>175.238</b>					
13	Gare-Palma- IV/4	II	1	CH	12.30	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
14	Gare-Palma-IV/5	II	1	CH	42.43	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
15	Chotia	II	1	CH	18.49	23.03.15	Vested	Bharat Aluminium Company Ltd.	P	NRS
16	Gare Palma IV/8	III	1	CH	45.85	22.04.15	Vested	Ambuja Cements Ltd.	P	NRS
<b>TOTAL CHHATTISGARH NRS</b>			<b>4</b>		<b>119.07</b>					
17	Tokisud North	II	1	JH	51.97	23.03.15	Vested	Essar Power MP Ltd.	P	Power
18	Jitpur	III	1	JH	65.54	22.04.15	Vested	Adani Power Ltd.	P	Power
19	Ganeshpur	III	1	JH	91.80	22.04.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
20-21	Chatti Bariatu, Chatti Bariatu South	III	2	JH	390.96	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
22	Saharpur Jamarpani	III	1	JH	524.00	13.08.15	Allotted	UP Rajya Vidyut Utpadan Nigam Ltd.	PSU(C)	Power
23	Pachwara Central	II	1	JH	239.75	31.03.15	Allotted	Punjab State Power Corp. Ltd.	PSU(S)	Power
24	Badam	III	1	JH	90.50	31.08.15	Allotted	Bihar State Power Generation Co. Ltd.	PSU(S)	Power
25	Pachwara North	II	1	JH	392.75	31.03.15	Allotted	WBPDC	PSU(S)	Power
26	Rajbar E & D	III	1	JH	526.05	30.06.15	Allotted	Tenughat Vidyut Nigam Limited (TVNL)	PSU(S)	Power
27	Banhardih	III	1	JH	553.00	30.06.15	Allotted	Jharkhand Urja Utpadan Nigam Ltd.	PSU(S)	Power
28	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>					
29	Patal East		1	JH	200.00	29.09.16	Allotted	Jharkhand Mineral Development Corporation Ltd.	PSU(S)	Commercial
<b>TOTAL JHARKHAND POWER</b>			<b>1</b>		<b>200.00</b>					
30	Moitra	III	1	JH	29.91	22.04.15	Vested	JSW Steel Ltd.	P	NRS
31-32	Brinda & Sasai	III	2	JH	25.40	22.04.15	Vested	Usha Martin Ltd	P	NRS
33	Meral	III	1	JH	12.67	22.04.15	Vested	Trimula Industries Ltd.	P	NRS
34	Parbatpur Central	II	1	JH	50.98	23.03.16	Allotted	Steel Authority of India Ltd	PSU(C)	NRS
35	Lohari	III	1	JH	9.05	22.04.15	Vested	Araanya Mines Private Ltd.	P	NRS
36	Kathautia	II	1	JH	23.96	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
37	Dumri	III	1	JH	46.14	22.04.15	Vested	Hindalco Industries Ltd.	P	NRS
38	Sitanala	III	1	JH	19.92	31.08.15	Allotted	Steel Authority of India Ltd.	PSU(C)	NRS
39	Tubed	III	1	JH	NA	08.06.16	Allotted	Damodar Valley Corporation Ltd.	PSU(C)	NRS
<b>TOTAL JHARKHAND NRS</b>			<b>10</b>		<b>218.03</b>					

Contd.....

**Table - 6.6 : Statewise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated during 2017-18**

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)
40-45	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>					
46	Marki Mangli III	II	1	MH	3.58	17.04.15	Vested	B.S. Ispat Ltd.	P	NRS
47	Nerad Malegaon	III	1	MH	10.62	22.04.15	Vested	Indrajit Power Pvt. Ltd.	P	NRS
48	Marki Mangli-I	II	1	MH	9.78	30.09.15	Vested	Topworth Urja and Metals Ltd.	P	NRS
49	Belgaon	II	1	MH	7.14	23.03.15	Vested	Sunflag Iron and Steel Co. Ltd	P	NRS
50	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>					
51	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 MADHYAPRADESH POWER</b>			<b>1</b>		<b>393.60</b>					
52	Sial Ghogri	II	1	MP	5.69	23.03.15	Vested	Reliance Cement Company Pvt. Ltd.	P	NRS
53	Amelia (North)	II	1	MP	70.28	23.03.15	Vested	Jaiprakash Power Ventures Ltd.	P	NRS
54	Bicharpur	II	1	MP	29.12	23.03.15	Vested	UltraTech Cement Ltd.	P	NRS
<b>TOTAL MADHYAPRADESH NRS</b>			<b>3</b>		<b>105.09</b>					
55	Suliyari		1	MP	141.00	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corporation Ltd.	PSU(S)	Commercial
<b>TOTAL MADHYAPRADESH COMMERCIAL</b>			<b>1</b>		<b>141.00</b>					
56	Talabira-I	II	1	Orissa	10.79	23.03.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
57	Dulanga	III	1	Orissa	152.05	08.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
58-59	Manoharpur & Dipside of Manoharpur	III	2	Orissa	152.12	31.08.15	Allotted	Odisha Coal & Power Ltd.	PSU(S)	Power
60	Naini	III	1	Orissa	270.00	13.08.15	Allotted	The Singareni Collieries Co. Ltd.	PSU(C)	Power
61	Talabira II & III	I	1	Orissa	152.33	02.05.16	Allotted	Neyveli Lignite Corporation Ltd.	PSU(C)	Power
62	Mandakini B	I	1	Odisha	1200.00	15.09.15	Allotted	NTPC Ltd.	PSU(C)	Power
<b>TOTAL ORISSA POWER</b>			<b>7</b>		<b>1937.29</b>					
63-64	Utkal E & D	III	2	Orissa	171.370	02.05.16	Allotted	NALCO	PSU(C)	NRS
<b>TOTAL ORISSA NRS</b>			<b>2</b>		<b>171.370</b>					
65	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>					
66	Trans Damodar	II	1	WB	47.32	23.03.15	Vested	The Durgapur Projects Ltd.	P	Power
67	Sarshatolli	II	1	WB	51.03	23.03.15	Vested	CESC Ltd.	P	Power
68	Barjora (North)	II	1	WB	56.57	31.03.15	Allotted	WBPDCL	PSU(C)	Power
69	Khagra Joydev	II	1	WB	103.80	31.03.15	Allotted	Damodar Valley Corporation	PSU(C)	Power
70-71	Tara (East) and Tara (West)	II	2	WB	11.06	31.03.15	Allotted	WBPDCL	PSU(S)	Power
72-73	Gangaramchak & Gangaramchak Bhadulia	II	2	WB	11.05	31.03.15	Allotted	WBPDCL	PSU(S)	Power
74	Barjora	II	1	WB	1.45	31.03.15	Allotted	WBPDCL	PSU(S)	Power
75	Kasta East	III	1	WB	47.00	16.05.16	Allotted	WBPDCL	PSU(S)	Power
<b>TOTAL WEST BENGAL POWER</b>			<b>10</b>		<b>329.28</b>					
76	Ardhagram	II	1	WB	18.93	14.07.16	Vested	OCL IRON AND STEEL LTD.	P	NRS
<b>TOTAL WEST BENGAL NRS</b>			<b>1</b>		<b>18.930</b>					
77	Gourangdih ABC		1	WB	131.00	29.09.16	Allotted	West Bengal Mineral Development & Trading Corp. Ltd.	PSU(S)	Commercial
<b>TOTAL WEST BENGAL COMMERCIAL</b>			<b>1</b>	<b>WB</b>	<b>131.00</b>					
<b>TOTAL</b>			<b>77</b>		<b>10640.398</b>					

**Note.**

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



**Table - 6.7 : Sectorwise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated during 2017-18**

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))	End - Use Plant
(1)	(2)	(3)	(4)	(5)		(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/5	II	1	CH	42.43	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
3	Chotia	II	1	CH	18.49	23.03.15	Vested	Bharat Aluminium Company Ltd.	P	NRS
4	Gare Palma IV/8	III	1	CH	45.85	22.04.15	Vested	Ambuja Cements Ltd.	P	NRS
5	Moitra	III	1	JH	29.91	22.04.15	Vested	JSW Steel Ltd.	P	NRS
6-7	Brinda & Sasai	III	2	JH	25.40	22.04.15	Vested	Usha Martin Ltd	P	NRS
8	Meral	III	1	JH	12.67	22.04.15	Vested	Trimula Industries Ltd.	P	NRS
9	Lohari	III	1	JH	9.05	22.04.15	Vested	Araanya Mines Private Ltd.	P	NRS
10	Kauthatia	II	1	JH	23.96	23.03.15	Vested	Hindalco Industries Ltd.	P	NRS
11	Dumri	III	1	JH	46.14	22.04.15	Vested	Hindalco Industries Ltd.	P	NRS
12	Marki Mangli III	II	1	MH	3.58	17.04.15	Vested	B.S. Ispat Ltd.	P	NRS
13	Nerad Malegaon	III	1	MH	10.62	22.04.15	Vested	Indrajit Power Pvt. Ltd.	P	NRS
14	Marki Mangli-I	II	1	MH	9.78	30.09.15	Vested	Topworth Urja and Metals Ltd.	P	NRS
15	Belgaon	II	1	MH	7.14	23.03.15	Vested	Sunflag Iron and Steel Co. Ltd	P	NRS
16	Majra	III	1	MH	14.92	30.09.15	Vested	Jaypee Cement Corporation Ltd.	P	NRS
17	Sial Ghogri	II	1	MP	5.69	23.03.15	Vested	Reliance Cement Company Pvt. Ltd.	P	NRS
18	Amelia (North)	II	1	MP	70.28	23.03.15	Vested	Jaiprakash Power Ventures Ltd.	P	NRS
19	Bicharpur	II	1	MP	29.12	23.03.15	Vested	UltraTech Cement Ltd.	P	NRS
20	Ardhagram	II	1	WB	18.93	14.07.17	Vested	OCL Iron And Steel Ltd.	P	NRS
<b>TOTAL PRIVATE NRS</b>			<b>20</b>		<b>436.26</b>					
21	Tokisud North	II	1	JH	51.97	23.03.15	Vested	Essar Power MP Ltd.	P	Power
22	Jitpur	III	1	JH	65.54	22.04.15	Vested	Adani Power Ltd.	P	Power
23	Ganeshpur	III	1	JH	91.80	22.04.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
24	Talabira-I	II	1	OR	10.79	23.03.15	Vested	GMR Chhattisgarh Energy Ltd.	P	Power
25	Trans Damodar	II	1	WB	47.32	23.03.15	Vested	The Durgapur Projects Ltd.	P	Power
26	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>					
27	Parbatpur Central	II	1	JH	50.98	23.03.16	Allotted	Steel Authority of India Ltd	PSU(C)	NRS
28	Sitanala	III	1	JH	19.92	31.08.15	Allotted	Steel Authority of India Ltd.	PSU(C)	NRS
29	Tubed	III	1	JH	NA	08.06.16	Allotted	Damodar Valley Corporation	PSU(C)	NRS
30-31	Utkal E & D	III	2	OR	171.37	02.05.16	Allotted	NALCO	PSU(C)	NRS
<b>TOTAL PSU NRS</b>			<b>5</b>		<b>242.27</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	WBPDCL	PSU(C)	Power
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

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**Table - 6.7 : Sectorwise List of Schedule - I, II and Schedule - III captive coal blocks stand vested/allocated during 2017-18**

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)/)	End -Use Plant
(1)	(2)	(3)	(4)	(5)		(7)	(8)	(9)	(10)	(11)
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 & Kanha Basin	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	WBPDCCL	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	WBPDCCL	PSU(S)	Power
64-65	Gangaramchak & Gangaramchak Bhabulia	II	2	WB	11.05	31.03.15	Allotted	WBPDCCL	PSU(S)	Power
66	Barjore	II	1	WB	1.45	31.03.15	Allotted	WBPDCCL	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
69	Talabira-II & III	I	1	OR	152.33	02.05.16	Allotted	Neyveli Lignite Corporation Ltd.	PSU(C)	Power
70	Mandakini B	I	1	OR	1200.00	15.09.16	Allotted	NTPC Ltd.	PSU(C)	Power
71	Kasta East	III	1	WB	47.00	16.05.16	Allotted	WBPDCCL	PSU(S)	Power
<b>TOTAL PSU POWER</b>			<b>40</b>		<b>8283.31</b>					
72	Baitarni West	I	1	OR	602.00	29.09.16	Allotted	Odisha Mining Corporation Ltd.	PSU(S)	Commercial
73	Penagadppa		1	Telangana	110.87	15.12.16	Allotted	M/s. Singareni Collieries Co. Ltd.	PSU(C)	Commercial
74	Madanpur South		1	CH	175.238	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corp. Ltd.	PSU(S)	Commercial
75	Patal East		1	JH	200.00	29.09.16	Allotted	Jharkhand Mineral Development Corporation Ltd.	PSU(S)	Commercial
76	Suliyari		1	MP	141.00	29.09.16	Allotted	The Andhra Pradesh Mineral Development Corporation Ltd.	PSU(S)	Commercial
77	Gourangdih ABC		1	WB	131.00	29.09.16	Allotted	West Bengal Mineral Development & Trading Corp. Ltd.	PSU(S)	Commercial
<b>TOTAL PSU COMMERCIAL</b>			<b>6</b>		<b>1360.108</b>					
<b>ALL TOTAL</b>			<b>77</b>		<b>10640.398</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 (including some newly Allotted coal 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	No. of blocks	Allotted/Vested	Date of allotment	Estimated GR (in MT)	Specified EUP
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Kente Extn	Chattisgarh	Rajasthan Rajya Vidyut Utpadan Nigam Ltd	1	Allotted	31.03.2015	200	Power
2	Tentuloi	Odisha	Odisha Thermal Power Corp Ltd	1	Allotted	31.03.2015	1234	Power
3	Gondbahera-Ujjeni	Madhya Pradesh	Madhya Pradesh Power Generating Company Ltd.	1	Allotted	31.03.2015	532	Power
4	Kudanali-Luburi	Odisha	NTPC Ltd. and Jammu & Kashmir State Power Development Corp Ltd	1	Allotted	31.03.2015	396	Power
5	Banai	Chattisgarh	NTPC Ltd	1	Allotted	31.03.2015	629	Power
6	Bhalumuda	Chattisgarh	NTPC Ltd	1	Allotted	31.03.2015	550	Power
7	Sarapal-Nuapara	Odisha	Andhra Pradesh Power Generation Corp Ltd	1	Allotted	24.02.2016	701	Power
8	Chandrabila	Odisha	Tamil Nadu Generation & Distribution Corp Ltd	1	Allotted	24.02.2016	550	Power
9	Mahajanwadi	Maharashtra	Madhya Pradesh Power Generation Corp Ltd	1	Allotted	24.02.2016	340	Power
10	Kalyanpur-Badalpara	Jharkhand	Haryana Power Generation Corp Ltd	1	Allotted	24.02.2016	102	Power
11	Kerwa	Chattisgarh	Kerwa Coal Limited (Joint Venture of Chhattisgarh Mineral Development Corp. and M.P. State Mining Corporation Ltd.)	1	Allotted	21.07.2016	112.94	Commercial Mining
12	Brahmani	Odisha	Orissa Minerals Development Company	1	Allotted	21.07.2016	58.9	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)	1	Allotted	03.10.2016	279	Power
<b>ALL TOTAL</b>				<b>13</b>			<b>5684.84</b>	

**Table - 6.9 : List of coal blocks under Custodian during 2017-18**

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
<b>TOTAL ARUNACHAL PRADESH</b>		<b>1</b>		<b>4.79</b>			
2-3	Gare-Palma-IV/2 & IV/3	2	CHH	178.86	Chairman, CIL (Custodian)	PSU(C)	Commercial
4	Gare-Palma-IV/1	1	CHH	158.00	Chairman, CIL (Custodian)	PSU(C)	Commercial
<b>TOTAL CHHATTISGARH</b>		<b>3</b>		<b>336.86</b>			
5	Marki Mangli-II	1	MAH	11.54	Chairman, CIL (Custodian)	PSU(C)	Commercial
<b>TOTAL MAHARASHTRA</b>		<b>1</b>		<b>11.54</b>			
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>			
<b>TOTAL</b>		<b>7</b>		<b>364.863</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-Barwadih	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 - Non Captive
BCCL	Bharat Coking Coal Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
CCL	Central Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
NCL	Northern Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
WCL	Western Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
SECL	South Eastern Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
SECL(GP-IV/1)	Gare Palma IV/1 (This to Coal Blocks are now under the Custody of SECL(Coal India Ltd. Subsidiary) - Public - Captive
SECL(GP-IV/2&3)	Gare Palma IV/2 & 3 (This to Coal Blocks are now under the Custody of SECL(Coal India Ltd. Subsidiary) - Public - Captive
MCL	Mahanadi Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
NEC	North Eastern Coalfields (Coal India Ltd. Subsidiary) - Public - Non Captive
SCCL	Singareni Collieries Company Limited - Public - Non Captive
JKML	Jammu & Kashmir Minerals Limited - Public - Non Captive
JSMDCCL	Jharkhand State Mineral Development Corporation Limited - Public - Non Captive
DVC	Damodar Valley Corporation - Public - Non Captive
DVC EMTA	DVC Emta Coal Mines Limited - Public - Captive
IISCO	Indian Iron & Steel Company Limited - Public - Non Captive
SAIL	Steel Authority of India Limited - Public - Captive
APMDTCL	Arunachal Pradesh Mineral Development & Trading Corp. Ltd. - Public - Non Captive
WBPDCCL	West Bengal Power Development Corporation Limited - Public - Captive
RRVUNL	Rajasthan Rajya Vidyut Unnayan Nigam Limited - Public - Captive
WBMDTCL	West Bengal Mineral Development and Trading Corporation Limited - Public - Captive
PSEB-PANEM	Punjab State Electricity Board/Panem Coal Mines Limited - Public - Captive
MPSMCL	Madhya Pradesh State Mineral Corporation Limited
NTPC	National Thermal Power Corporation - Public - Captive
ICML	Integrated Coal Mining Limited - Private - Captive
JSPL	Jindal Steel & Power Limited - Private - Captive
TISCO	Tata Iron & Steel Company Limited - Private - Non Captive
HIL	Hindalco Industries Limited - Private - Captive
BLA	BLA Industries Limited - Private - Captive
MIEL	Monnet Ispat & Energy Limited - Private - Captive
PIL	Prakash Industries Limited - Private - Captive
JNL	Jayswal Neco Limited - Private - Captive
JPL	Jindal Power Open Cast Coal Mine - Private - Captive
SIL	Sunflag Iron & Steel Company Limited - Private - Captive
ESCL	Electro Steel Casting Limited - Private - Captive
UML	Usha Martin Limited - Private - Captive
KECML	Karnataka Emta Coal Mines Limited - Public - Captive
SEML	Sarda Energy & Minerals Limited - Private - Captive
BSIL	B. S. Ispat Limited - Private - Captive
TUML	Topworth Urja and Minerals Limited - Private - Captive
SPL	Sasan Power Limited - Private - Captive
SOVA	Sova Ispat Limited - Private - Captive
CESC	CESC Limited - Private - Captive
GMR	GMR Chhattisgarh Energy Limited - Private - Captive
BALCO	Bharat Aluminium Company Limited - Private - Captive
JPVL	Jaiprakash Power Ventures Limited - Private - Captive
RCCPL	Reliance Cement Company Private Limited - Private - Captive

### LIGNITE COMPANIES:

NLC	Neyveli Lignite Corporation Limited - Public - Non Captive
GIPCL	Gujarat Industries Power Company Limited - Public - Captive
GMDCL	Gujarat Mineral Development Corporation Limited - Public - Captive
GHCL	Gujarat Heavy Chemical Limited - Private - Captive
RSMML	Rajasthan State Mines and Mineral Limited - Public - Captive
VS LIGNITE	V. S Lignite Power Limited - Private - Captive
BLMCL	Barmer Lignite Mining Company Limited - Public - Captive

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

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