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PROVISIONAL COAL STATISTICS

अंतरिम कोयला सांख्यिकी

2013-14

भारत सरकार

कोयला मंत्रालय

कोयला नियंत्रक का संगठन

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GOVERNMENT OF INDIA

MINISTRY OF COAL

COAL CONTROLLER'S ORGANISATION

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COAL CONTROLLER'S ORGANISATION
KOLKATA**

Provisional Coal Statistics 2013-14

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 half 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, Government Bodies, planners, thinkers, academicians etc. 'Coal Directory of India' incorporating firmed up data of the previous year is brought out every year around December. To meet the immediate requirement, **Provisional Coal Statistics 2013-14** 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, Despatches, 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,
July, 2014


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Highlights

(A) Production

1. In the year 2013-14, the total production of raw coal in India increased by 1.7 % (from 556.402 MT in 2012-13 to 565.766 MT in 2013-14) where as the corresponding decrease in the production of lignite was 4.69 % (from 46.453 MT in 2012-13 to 44.271 MT in 2013-14).[Table: 1.4]
2. The contribution of public sector and private sector in the production(MT) of Raw Coal in India in 2013-14 was as follows: [Table :- 2.11]

Sector	Year 2013-2014		
	Coking	Non-Coking	Total Coal
Public	49.503	478.578	528.081
Private	7.315	30.370	37.685
All India	56.818	508.948	565.766

3. The production of coking coal in 2013-14 in India was 56.818 MT (10.15 % growth over 2012-13) whereas the corresponding figure for non-coking coal was 508.948 MT (0.82 % growth over 2012-13). [Table :- 2.10]
4. The production of washed (coking) coal in 2013-14 was 6.615 MT (increased by 0.99 % over 2012-13) whereas the production of middling (coking) was 4.986 MT (decreased by 8.75 % over 2012-13). [Table :-2.3]
5. During 2013-14, Chhattisgarh registered highest coal production of 127.095 MT (22.46 %) followed by Jharkhand 113.094 MT (19.99 %) and Orissa 112.917 MT (19.96 %). Tamil Nadu was the largest producer of lignite 25.056 MT (56.60 %). [Table :- 2.6 and 2.7]
6. The contribution of Coal India Limited in the coal production in India in 2013-14 was 462.413 MT (81.71 %) and that of SCCL 50.469 MT (8.92%). During the period 2013-14, Neyveli Lignite Corporation contributed 26.609 MT (60.10%) of lignite production. [Table :- 2.9]
7. Highest coking coal producing state of India was Jharkhand (55.088 MT i.e. 96.96%) whereas highest non-coking coal producing state was Chhattisgarh (126.970 MT i.e 24.95%). [Table :- 2.8]
8. Around 91.22% of coal production of India in 2013-14 was from open-cast mines (516.117 MT). [Table:-2.13]
9. SECL produced highest quantity of coal from underground i.e. 16.416 MT (33.06%) followed by SCCL which produced 10.548 MT (21.25%). [Table:-2.13]
10. Overall stripping ratio for the year 2013-14 was 2.20 (Stripping ratio is defined as the ratio of Over Burden Removal to Coal produced in Open Cast mining.) OBR means the quantity of over burden removed during the process of open cast mining. [Table :- 2.16]
11. Productivity (OMS) of underground mines for the year 2013-14 was 0.76 for CIL and 1.12 for SCCL. During 2013-14, OMS for opencast mines for CIL and SCCL were 12.31 and 11.10 respectively. (OMS is the output measured in tones per unit of man-shift). [Table :- 2.16]

(B) Despatch

1. During 2013-14, despatch of indigenous raw coal was 571.251 MT against the corresponding figure of 567.136 MT during 2012-13 (increase of 0.73% over 2012-13). Lignite despatch was 43.897 MT against the corresponding figure of 46.313 MT during 2012-13 (decreased of 5.22 % over 2012-13). Despatches of solid fossil fuel increased from 613.449 MT in 2012-13 to 615.148 MT in 2013-14 registering an increase of 0.276 % .[Table :-3.1]
2. Despates of coking coal increased from 55.859 MT in 2012-13 to 58.302 MT in 2013-14 (increase of 2.58 % over the previous year). [Table :-3.2]
3. Despates of Metallurgical coal reduced from 14.799 MT in 2012-13 to 8.062 MT in 2013-14 registering a decrease of 45.52 % .[Table :-3.2]
4. Despates of non-coking coal grew by 0.33 % [from 511.277 MT in 2012-13 to 512.949 MT in 2013-14]. [Table :-3.2]
5. During 2013-14, despates of washed coal (coking) and middling (coking) were 6.667 MT (increased by 0.80% over 2012-13) and 4.679 MT (decreased by 13.40% over 2012-13). [Table :-3.3]
6. During 2013-14, despatch of hard coke also registered increased from 12.429 MT in 2012-13 to 12.707 MT in 2013-14 (2.24% over 2012-13). [Table :-3.3]
7. The contribution of public sector and private sector in the despatch (MT) of Raw Coal in 2013-14 was as follows: [Table :- 3.10]

Despatches (MT) of Raw Coal in 2013-14			
Sector	Year 2013-14		
	Coking	Non-coking	Total
Public	51.195	482.754	533.949
Private	7.107	30.195	37.302
All India	58.302	512.949	571.251

8. All coal producing states except Andhra Pradesh, Assam, Jharkhand J&K, and Maharashtra showed a positive growth in coal despatched resulting into a 0.73 % growth in coal despatch across India during 2013-14. [Table :- 3.6]
9. In terms of coal despatch, Chhattisgarh had highest share of 124.028 MT (21.71%) followed by Orissa of 116.795 MT (20.45%) and Jharkhand of 116.635 MT (20.42%). [Table :- 3.6]
10. In case of lignite despatch, Tamil Nadu had the largest share of 55.67% (24.438 MT). [Table :- 3.7]
11. CIL and SCCL despatched 470.914 MT and 47.892 MT of coal respectively in 2013-14. [Table :- 3.11]
12. Among other PSUs largest share in coal despatch were of WBPDC and PSEB. [Table :- 3.11]
13. Private sector despatched 37.302 MT of coal in which TISCO had largest share 6.969 MT followed by JSPL of 5.999 MT. [Table :- 3.11]
14. Powerhouses (Utility) continued to be the largest coal receiver. This sector received 384.823 MT (67.36 %) in 2013-14. [Table :- 3.14]
15. Cement sector received 11.963 MT in 2013-14. [Table :- 3.14]
16. Despatch to Steel Sector in 2013-14 was 23.129 MT. [Table :- 3.14]

17. During the year 2013-14 despatch of raw coal by rail was 274.269 MT (48.0 %). The dispatch by road was 164.858 MT (28.85 %). [Table :- 3.13]

(C) Pit Head Closing Stock

1. Pit-head Closing Stock of raw coal, as on 31-03-2014, was 55.178 MT against 63.049 MT in 2012-13 (decreased by 12.48 % over previous year). The same for lignite was 1.860 MT in 2013-14 against 1.493 MT in 2012-13 (increased by 24.58% over previous year) . [Table :-4.1]
2. Pit-head closing stock of coking coal was 6.570 MT in 2013-14 against 8.036 MT in 2012-13. [Table :-4.2]
3. Pit-head closing stock of non-coking coal was 48.608 MT in 2013-14 against 55.013 MT in 2012-13. [Table :-4.2]
4. Out of total closing stock as on 31-3-2014, Public sector accounted for 54.036 MT against 61.347 MT in 2012-13. [Table :-4.3]
5. Pit-head closing stock of coal arising from allocated captive coal blocks was 1.389 MT in 2013-14. [Table :-4.4]

(D) Import and Export

6. Import of coking coal was 37.191 MT in 2013-14 against 35.557 MT in 2012-13 resulting into an increase of 4.59 % over 2012-13. Import of Non-coking coal was 131.248 MT in 2013-14 against 110.238 MT in 2012-13 (an increase of 19.07 % over 2012-13). [Table :-5.1]
1. Main exporter of coal to India was Indonesia followed by Australia and South Africa.
2. Coal was mainly imported through Paradip and Chennai sea ports.
7. Export of coal during 2013-14 was 2.153 MT against 2.443 MT in 2012-13. [Table :-5.2]
3. Coal is mainly exported to Bangladesh and Nepal. Main ports for coal exports are Panaji and Borsorah.

(E) Captive coal block

1. In the year 2013-14, the total production of raw coal from captive coal blocks in India increased by 6.3 % (from 37.04 MT in 2012-13 to 39.485 MT in 2013-14) where as the corresponding increase in the production of captive lignite blocks was 12.16 % (from 20.230 MT in 2012-13 to 22.689 MT in 2013-14). [Table :-2.10]
2. During 2013-14, 27.25 MT coal produced from coal blocks allocated for Power Sector over 25.59 MT coal produced in 2012-13. [Table :-6.4]
3. Coal Blocks allocated for Steel sector contributes 11.65 MT coal during 2013-14 over 10.72 MT coal for 2012-13. [Table :-6.4]

(F) Geological Coal Reserve.

As per GSI present updated geological resources of coal in India as on 01.04.2014 is 301.564 BT for coal seams of 0.9m and above in thickness and up to the 1200m depth from surface. The type wise break up of coal reveals that coking and non- coking coal reserves of the country are 34.069 BT(Prime, Medium and Semi-coking) and 266.001 BT.

Total coal extracted since 1950 up to 2013-14 is around 12535.143 million ton.

Introductory Note

1.1 Provisional Coal Statistics 2013-14 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 2013-14, the coal statistics has been termed as provisional. However, to provide a glimpse of the variation between the provisional statistics and the final one, we present below the corresponding figures for last five years along with the provisional figures for 2013-14.

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
2007-08	P	34.592	421.805	456.397	33.980	33.561	419.199	452.760	34.657
	F	34.455	422.627	457.082	33.980	33.543	420.024	453.567	34.657
	D	-0.40%	0.19%	0.15%	0.00%	-0.05%	0.20%	0.18%	0.00%
2008-09	P	33.309	459.636	492.945	32.421	35.674	453.321	488.995	31.793
	F	34.809	457.948	492.757	32.421	35.724	453.448	489.172	31.793
	D	4.31%	-0.37%	-0.04%	0.00%	0.14%	0.03%	0.04%	0.00%
2009-10	P	44.256	487.806	532.062	34.071	42.627	470.592	513.219	34.431
	F	44.413	487.629	532.042	34.071	42.469	471.323	513.792	34.430
	D	0.35%	-0.04%	0.00%	0.00%	-0.37%	0.16%	0.11%	0.00%
2010-11	P	49.533	483.543	533.076	37.735	48.936	474.311	523.247	37.516
	F	49.547	483.147	532.694	37.733	48.950	474.515	523.465	37.685
	D	0.03%	-0.08%	-0.07%	-0.01%	0.03%	0.04%	0.04%	0.45%
2011-12	P	51.654	488.286	539.940	43.105	51.528	483.624	535.152	42.500
	F	51.660	488.290	539.950	42.332	51.723	483.576	535.299	41.883
	D	0.01%	0.00%	0.00%	-1.83%	0.38%	-0.01%	0.03%	-1.47%
2012-13	P	51.834	505.873	557.707	46.598	55.212	514.555	569.767	46.312
	F	51.582	504.820	556.402	46.453	55.859	511.277	567.136	46.313
	D	- 0.48%	- 0.2%	-0.23%	- 0.31%	1.17%	-0.63%	- 0.46%	0.00%
2013-14	P	56.818	508.948	565.766	44.271	58.302	512.949	571.251	43.897
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%.								

1.2 Provisional Coal Statistics 2013-14, apart from providing data on production, despatch and stock of Coal and Lignite in 2013-14 in India, also provides data on coal

reserves in India as on 01.04.2014, Import and Export of Coal during 2013-14 , Captive Mining, etc.

1.3 In this report of 2013-14, some changes have been made in the presentation for arrangement of coal blocks in Public sector and Private sector. This is mainly because this year the coal blocks have been shown in Public sector or Private sector strictly accordingly to the original allotment in Public sector or Private sector. So the corresponding tables may not be strictly comparable over the past year's figures. Moreover in this report three additional tables have been presented (Table 2.10 for coal production , Table 3.9 for coal despatches) and Table 4.4 for pit head closing stock which shown figures by names of captive blocks.

1.4 To simplify the use of the Coal Directory, some changes were introduced in the Coal Directory 2012-13 wherein related Concepts, Definitions and Practices were explained in detail. The same has been appended here as Appendix – A for ready reference.

1.5 As the purpose of the publication of the Provisional Coal Statistics 2013-14 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	01/04/2011	114,002	137,471	34,389	285,862
	01/04/2012	118,145	142,169	33,182	293,497
	01/04/2013	123,182	142,632	33,100	298,914
	01/4/2014	125,909	142,506	33,148	301,564

Lignite	01/04/2011	6,146	25,794	8,966	40,906
	01/04/2012	6,181	25,763	10,019	41,963
	01/04/2013	6,181	26,283	10,752	43,216
	01/04/2014	6,181	26,283	10,783	43,247

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 2013-14, the coal production in India reached 565.766 MT and registered an increase of 1.7 % over the last year. In case of lignite, the production decreased from 46.453 MT to 44.271 MT registering an decreased of 4.69 % over the last year. Statement 3(A) shows production of coal in 2013-14 by different companies in India.

Statement 3(A): Coal Production in India by Company			
Company	Coal Production (2013-14) [MT]		
	Coking	Non-coking	Total
CIL	48.918	413.495	462.413
SCCL	-	50.469	50.469
Other Public	0.585	14.614	15.199
Total Public	49.503	478.578	528.081
Total Private	7.315	30.370	37.685
ALL INDIA	56.818	508.948	565.766

1.8 It can be seen that the Coal India Ltd. accounted for 81.73 % of coal production in the country. The share of SCCL in the coal production was 8.92 % and the contribution of private sector was 6.66 %. The performance of different companies in the CIL group may be seen from Statement 3(B). It is seen that the major contributors in the group were SECL, MCL and NCL with share of 21.96 %, 19.52 %, and 12.13 % respectively at all India level. These companies collectively accounted for 53.51% of the total coal production at all India level and 65.59% in the CIL group.

and 12.13 % respectively at all India level. These companies collectively accounted for 53.51% of the total coal production at all India level and 65.59% in the CIL group.

Statement 3(B): Coal Production in India by Company			
Company	Coal Production (2013-14) [MT]		
	Coking	Non-coking	Total
ECL	0.048	35.999	36.047
BCCL	30.055	2.557	32.612
CCL	18.441	31.581	50.022
NCL	-	68.639	68.639
WCL	0.249	39.480	39.729
SECL	0.125	124.136	124.261
MCL	-	110.439	110.439
NEC	-	0.664	0.664
CIL	48.918	413.495	462.413

1.9 From the Statement 3(A) it can also be seen that the major share in the total coal is accounted by non-coking coal (89.51%). Statement 4 shows that during the period 2013-14, almost all coking coals were produced in the state of Jharkhand which accounted for 99% of the total coking coal production.

1.10 From Table 2.2 it can be seen that in 2013-14, the production of coking coal registered an increase of 10.2% over the previous year whereas the corresponding increase in the case of non-coking coal was

0.8%. In case of coking coal, Metallurgical coal with the production of 9.713 MT registered a decrease of 33.2 % and non-metallurgical coal with the production of 47.105 MT registered an increase of 27.19%.

1.11 Statement 4 shows the coal production in India in 2013-14 by states. It is observed that the three major players are Chhattisgarh (22.46%), Jharkhand (19.97%) and Odisha (19.95%) which together accounted for about 62.38% of the total coal production in the country.

Statement 4: Coal Production in India by State			
States	Coal Production (2013-14) [MT]		
	Coking	Non Coking	Total
Andhra Pradesh		50.469	50.469
Arunachal Pradesh		0	0
Assam		0.664	0.664
Chhattisgarh	0.125	126.970	127.095
Jammu & Kashmir		0.019	0.019
Jharkhand	55.088	58.006	113.014
Madhya Pradesh	0.249	75.341	75.59
Maharashtra		37.223	37.223
Meghalaya		5.732	5.732
Odisha		112.917	112.917
Uttar Pradesh		14.721	14.721
West Bengal	1.356	26.886	28.242
Total Public	49.503	478.578	528.081
Total Private	7.315	30.370	37.685
All India	56.818	508.948	565.766

1.12 If one examines the production from the technology point of view then it is seen from Table 2.12 that in the year 2013-14, the total production under open cast system accounted for 91.22 % of the total coking coal production and the rest 8.78 % was accounted by underground system. It

is interesting to note that the share of OC mining in total coal production has been steadily increasing over time and in the last ten years it has increased from 83.70 % (2004-05) to 91.22% (2013-14).

1.13 The production of coal products registered a increased from 38.85 MT (2012-13) to 43.944 MT (2013-14) as can be seen from Table 2.3. It is important to note that in 2013-14, the production of washed coal was 22.315 MT (coking 6.615 MT and non-coking 15.700 MT).

1.14 Table 2.11 provides details of coal production by type of coal and grade of coal for each company for the year 2013-14.

1.15 Stripping Ratio defined as the ratio of OBR to coal produced in Open Cast mining has been of interest to the researchers and planners. From Table 2.16 it is seen in 2013-14, the stripping ratio at all India level was 2.20. The corresponding figure for the year 2012-13 was 2.12. The stripping ratio in 2013-14 for CIL was 1.89. The corresponding figure for the public sector as a whole was 2.16 and the same for the private sector was 2.89. In case of CIL companies, MCL reported the lowest stripping ratio of 0.88 against the production of 109.006 MT of coal whereas NEC reported the highest stripping ratio of 9.96 with the production of 0.66 MT of coal. In case of CIL companies, WCL reported the second highest stripping ratio of 3.75 with the production of 31.999 MT of coal.

1.16 Output per man shift (OMS) is one of the measures of efficiency in the production. Statement 5 depicts the OMS for the current year as well as last year for two major players in the public sectors namely CIL and SCCL by type of mining. From Table 2.16 it can be seen that for CIL the OMS for open cast mining has shown an increasing trend in last ten years which

has increased from 7.18 (2004-05) to 12.31 (2013-14). The corresponding increase in case of SCCL has been from 8.83 (2004-05) to 11.10 (2013-14). Further details on the issue can be seen from the details tables (table 2.16 and 2.17).

Type of Mining	Company	Year	
		2012-13	2013-14
OC	CIL	11.68	12.31
	SCCL	11.87	11.10
UG	CIL	0.77	0.76
	SCCL	1.13	1.12
OC + UG	CIL	5.32	5.65
	SCCL	3.14	3.86

1.17 It can be seen from Table 2.1 that the production of lignite in 2013-14 over 2012-13 decreased from 46.453 MT to 44.271 MT registering an decrease of 4.69 % over the last year whereas in the year 2012-13, the increase in the lignite production over the year 2011-12 was 9.7%. It is observed from Table 2.1 that while coal production has registered an increase of 56.6 % in last 10 years, the corresponding increase in case of lignite is 58.3 %. Statement 6 shows production of lignite by different companies in 2012-13 and 2013-14. In case of lignite production the two major players were NLC and GMDCL with contribution of 60.10% and 18.96% respectively. The decline of 4.69 % in the lignite production in 2013-14 was in succession of the 9.7% increase in the production of the lignite in the year 2012-13. During the year 2013-14, the major player, NLC registered an increase of 1.47% over the last year. However, the second major player GMDCL registered a corresponding decrease of 22.89%. BLMCL ranked third in lignite production.

Company	2012-13	2013-14
(1)	(2)	(3)
NLC	26.223	26.609
GMDCL	10.905	8.398
GIPCL	3.326	3.006
RSMML	1.387	1.428
GHCL	0.297	0.190
VS LIGNITE	0.815	0.890
BLMCL	3.500	3.750
ALL INDIA	46.453	44.271

Despatches

1.18 The dispatch of Raw Coal in the year 2013-14 was 571.251 MT, 0.73% more than the previous year. The increase of 0.73 % in despatch against the increase of 1.7% in the production indicates slightly lower dispatch mechanism than the previous year.

1.19 Statement 7 shows the despatch of coal by different companies in the year 2013-14. It can be seen that the Coal India Ltd. accounted for 82.43 % of coal despatches in the country. The share of SCCL in the coal despatches was 8.38% and the contribution of private sector was 9.18 %. In the CIL group share of SECL, MCL and NCL was 21.35%, 20.01% and 12.58% respectively at all India level. These companies collectively accounted for 53.94% of the raw coal despatches at all India level.

1.20 Statement 8 provides details on Off-take of Raw Coal in India in 2013-14 by different sectors of economy. Analysis of total off-take by different sector shows that power sector accounted for 75.5 % receipt of Raw Coal Off-take (Power Utilities: 68%; Captive Power: 7.49%). The share of receipt for Sponge Iron and Steel and

Cement was reported to be 2.64% 4.04%, 2.09 %, respectively. Further details on the issue can be seen from Table 3.14.

Statement 7: Coal Despatch in India by Company			
Company	Coal Despatch (2013-14) [MT]		
	Coking	Non-coking	Total
ECL	0.045	35.929	35.974
BCCL	31.496	2.562	34058
CCL	18.678	33.441	52.119
NCL		71.892	71.892
WCL	0.268	39.671	39.939
SECL	0.123	121.890	122.013
MCL		114.342	114.342
NEC		0.577	0.577
CIL	50.610	420.304	470.914
SCCL		47.892	47.892
Other Public	0.585	14.558	15.143
Total Public	51.195	482.754	533.949
Total Private	7.107	30.195	37.302
ALL INDIA	58.302	512.949	571.251

Statement 8: Off-take of Raw Coal in India in 2013-14 by Sector	
Sector	Off-take [MT]
Power (Utility)	384.823
Power (Captive)	42.407
Steel	22.725
Steel (Boilers)	0.404
Cement	11.963
Fertilizers	2.348
Sponge Iron	15.116
Other basic-Metal	0.410
Chemical	0.469
Pulp & Paper	1.668
Textiles & Rayons	0.360
Bricks	5.989
Others	82.569

Total Despatches	571.251
Colliery Own Consumption	0.643
Total Off-take	571.984

1.21 Table 3.10 provides details of coal despatch by type of coal and grade of coal for each company for the year 2013-14.

1.22 The despatch as well as off-take of Lignite in 2013-14 was 43.897 MT (Statement 9). From the statement 9 it is observed that power sector has taken the lion share of 83.00 % of the total off-take of lignite production in the year 2013-14. This has been followed by Textiles & Rayons (6.44%), Cement (3.1%), Bricks (1.45%), Pulp and Paper (1.50%), etc. Others in case of raw coal as well as lignite include supply to defence, railway, private crockery, etc.

Statement 9: Off-take (MT) of Lignite by Sector in India	
Sector	Off-take (2013-14)
Power (Utility)	23.828
Power (Captive)	12.648
Cement	1.397
Chemical	0.325
Pulp & Paper	0.662
Textiles & Rayons	2.829
Bricks	0.638
Others	1.570
Total Despatches	43.897

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. Statement 10 depicts the pit head closing stock for the current year as well as

previous year. From the Statement 10 it is seen that in the year 2013-14, the pit head closing stock of coal and lignite were 55.178 MT and 1.860 MT respectively. while there was a decreased a decrease in the pit head closing stock for coal, for lignite it has shown an increase.

1.24 Statement 11 provides trend for last ten years for pit head closing stock of coal and lignite. It is observed that in case of coal the pit head closing stock has been increasing over the years till 2011-12. However, in both 2012-13 and 2013-14, it has shown decreasing trend. It has increased from 23.969 MT (2004-05) to 74.040 MT in 2011-12 and then decreased to 63.049 MT (2012-13) and to 55.178 in 2013-14. The trend in case of lignite is fluctuating one.

Statement 10: Pit Head Closing Stock (MT) of Coal and Lignite in India in 2012-13 and 2013-14		
Company	Year	
	2012-13	2013-14
Coal	63.049	55.178
Coking	8.036	6.570
Metallurgical	1.480	1.369
Non-metallurgical	6.556	5.201
Non-coking	55.013	48.608
Lignite	1.493	1.860

Statement 11: Pit Head Closing Stock (MT) of Coal and Lignite in India in last ten years.		
Year	Pit Head Closing Stock	
	Raw Coal	Lignite
2004-05	23.969	0.536
2005-06	34.334	0.525
2006-07	44.348	1.002
2007-08	46.779	0.328

2008-09	47.317	0.903
2009-10	64.863	0.565
2010-11	72.192	0.610
2011-12	74.040	1.051
2012-13	63.049	1.493
2013-14	55.178	1.860

1.25 Statement 12 shows pit head closing stock of coal by companies during the period 2012-13 and 2013-14. It is observed that in 2013-14, CIL has registered a decline of 12.48% in its Pit head closing stock of coal in comparison with figure of 2012-13. In the CIL Group, except SECL each company has registered a decline in the Pit head closing stock of coal. During this period. SCCL has shown increase in pit head closing stock over previous year while the private companies have registered decrease in the Pit head closing stock of coal. Further details on this aspect may be seen from Tables 4.1 to 4.3.

Statement 12: Company wise Pit Head Closing Stock (MT) of Coal and Lignite in India		
Company	Year	
	2012-13	2013-14
(1)	(2)	(3)
COAL		
ECL	2.114	1.913
BCCL	5.090	3.576
CCL	11.504	9.405
NCL	9.579	6.106
WCL	5.816	5.600
SECL	5.930	7.764
MCL	18.053	14.149
NEC	0.082	0.169
CIL	58.168	48.683
SCCL	3.020	5.047

Statement 12: Company wise Pit Head Closing Stock (MT) of Coal and Lignite in India		
Company	Year	
	2012-13	2013-14
(1)	(2)	(3)
OTHER PUBLIC	0.268	0.306
PUBLIC	61.456	54.036
PRIVATE	1.593	1.142
TOTAL	63.049	55.178
LIGNITE		
NLC	1.121	1.739
GIPCL	0.296	0.053
OTHERS	0.076	0.068
TOTAL	1.493	1.86

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 more limited than the low quality coal. Therefore, to bridge the demand-supply gap as well as sweeten indigenous production, we have 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 2013-14, import of coal by India was 168.439 MT (Rs. 932929 Million) against the import of 145.785 MT (Rs. 868455 Million) registered in 2012-13. This shows an increase of 15.53 % in quantity and 7.43 % in value over the previous year. The share of coking and non-coking coal has been noticed as follows (Statement 13):

Statement 13: Import of Coal to India in 2013-14		
Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	37.191	351926
Non-Coking	131.248	581003
Total	168.439	932929

It is observed that the share of coking coal in the total quantity was 22.07 % which in value terms accounted for 37.72%.

1.29 Statement 14 depicts source country wise import of coal in India in 2013-14. It can be seen that Indonesia with 61.19 % [103.068 MT] share has remained the leading supplier followed by Australia with 19.63% [34.774 MT] and South Africa 11.97% [20.618 MT]. These three countries together accounted for 92.79% of the total import to India in 2013-14.

Statement 14: Source Country-Wise Import of Coal to India during 2013-14		
Country	Quantity [MT]	% Share
Indonesia	103.068	61.19
Australia	34.774	19.63
South Africa	20.618	11.97
USA	3.651	2.16
Canada	1.247	0.74
Others	5.081	3.01
Total	168.439	98.70

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 2013-14		
Country	Quantity [MT]	% Share
Australia	30.098	80.92
USA	2.651	7.12
South Africa	0.696	1.87
New Zealand	1.157	3.11
Others	2.589	6.96
Total	37.191	100

Statement 16: Source Country-Wise Import of Non-Coking Coal to India during 2013-14		
Country	Quantity [MT]	% Share
Indonesia	102.953	78.45
South Africa	19.92	15.17
USA	1.000	0.76
Australia	4.676	3.56
Others	2.699	2.0
Total	131.248	100

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. The estimated demand, production, import and export of coking coal and non-coking coal are given in statement 17 and Statement 18 respectively. It may please be noted that there has not been significant difference between despatch and production of coal as has already been explained.

Statement 17: Demand*, Production, Import and Export of Coking Coal in India in last five years [MT]				
Year	Demand*	Production	Import	Export
2008-09	44.000	34.809	21.080	0.109
2009-10	20.290	44.413	24.690	0.270
2010-11	50.510	49.547	19.484	0.111
2011-12	46.670	51.660	31.801	0.097
2012-13	52.300	51.582	35.557	0.056
2013-14	53.98	56.818	37.191	0.008

Statement 18: Demand*, Production, Import and Export of Non-Coking Coal in India in last five years [MT]				
Year	Demand*	Production	Import	Export
2008-09	506.000	457.948	37.923	1.546
2009-10	584.040	487.629	48.565	2.180
2010-11	605.800	483.147	49.434	1.764
2011-12	649.360	488.290	71.052	1.917
2012-13	720.540	505.873	105.002	2.633
2013-14	715.71	508.948	131.248	2.144

*Source: Annual Plan, MOC

1.32 Export of Coal: Although, there is short supply of coal in India compared to its demand and it has to resort to import of coal, India do export some quantity of coal to its neighboring countries (Statement 19). In the year 2013-14, the total export was 2.153 MT. Here, Bangladesh accounted for 74.17% of export followed by Nepal (17.46%) and Bhutan (3.11%).

Statement 19: Export of Coal from India by destination during 2013-14		
Country	Quantity [MT]	% Share
Bangladesh PR	1.597	74.17
Nepal	0.376	17.46
Bhutan	0.067	3.11
United Arab Emeritus	0.089	4.13
Others	0.022	1.02
Total	2.153	100

1.33 The break-up of destination wise Export for coking and non-coking coal is given in Statement 20 and Statement 21.

Statement 20: Export of Coking Coal from India by destination during 2013-14		
Country	Quantity [MT]	% Share
Bangladesh PR	0.006	75.00
Nepal	0.002	25.00
Others	0.000	0.00
Total	0.008	100

Statement 21: Export of Non-coking Coal from India by destination during 2013-14		
Country	Quantity [MT]	% Share
Bangladesh PR	1.591	74.20
Nepal	0.374	17.44
Bhutan	0.067	3.13
Others	0.112	5.23
Total	2.144	100

Captive Coal Blocks

1.34 The policy of the allotment of captive coal blocks has been adopted by the Government of India since 1993 and as per this policy by the end of 2013-14, out of total allocated 218 coal blocks, 80 coal blocks have been deallocated. So as on 31.3.2014, 138 Coal Blocks and 28 Lignite Blocks were allocated under the category Captive Coal and Blocks.

1.35 Tables 6.1 to 6.4 provide details on the Captive Coal Blocks. It can be seen that 77 coal blocks have been allocated to public sector undertaking and 61 coal blocks have been allocated to private companies. Out of 138 coal blocks the

allocation to power sector is 72 (public 43; and private 29). Similarly the allocation to Iron and Steel sector is 30 (public 2; and private 28). 34 captive coal blocks have been allocated to different public sector units for commercial captive purpose. Two captive coal blocks (small and isolated patches) have been allocated to private sector for commercial captive use.

1.36 The total geological reserves of these 138 captive coal blocks are estimated to be 32087.7 MT (public 20925.9 MT; private 11161.54 MT). The geological reserve of the coal blocks allocated to power sector, iron and steel, commercial mining and others is 22891.9 MT, 3516.0 MT, 5454.2 MT and 225.3 MT respectively.

1.37 Out of 138 coal blocks allocated for captive use till 31st March, 2014, 40 coal blocks (22 in power sectors, 13 in Iron and Steel, 03 in Govt. Commercial and 2 in private commercial) have started production and in the year 2013-14 total production from the captive coal blocks was reported to be 39.91 MT. The contribution of the coal blocks in the production of coal allocated to the power sector was 27.25 MT and that of Iron and Steel was 11.85 MT.

1.38 In the case of lignite, out of 28 lignite blocks, 20 blocks (GR 1851.9 MT) were allocated to public sector units and 8 blocks (GR 371.7 MT) were allocated to private sector.

1.39 Out of 28 lignite blocks 15 were allocated to power sector and 13 were allocated for captive commercial use. As on 31st March, 2014, 10 lignite blocks were producing blocks.

Chart-I : MONTH-WISE RAW COAL PRODUCTION, DESPATCHES & STOCK IN INDIA, 2013-14

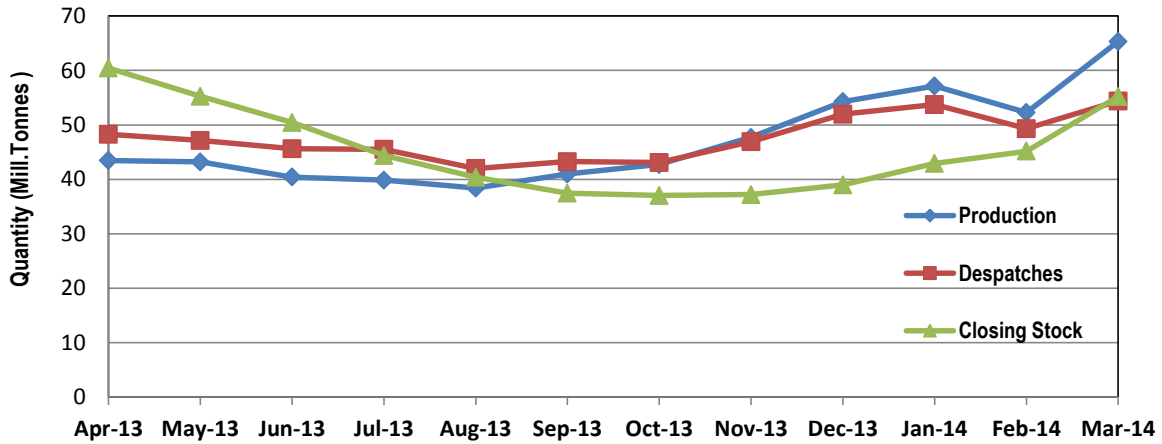


Chart-II : RAW COAL PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS

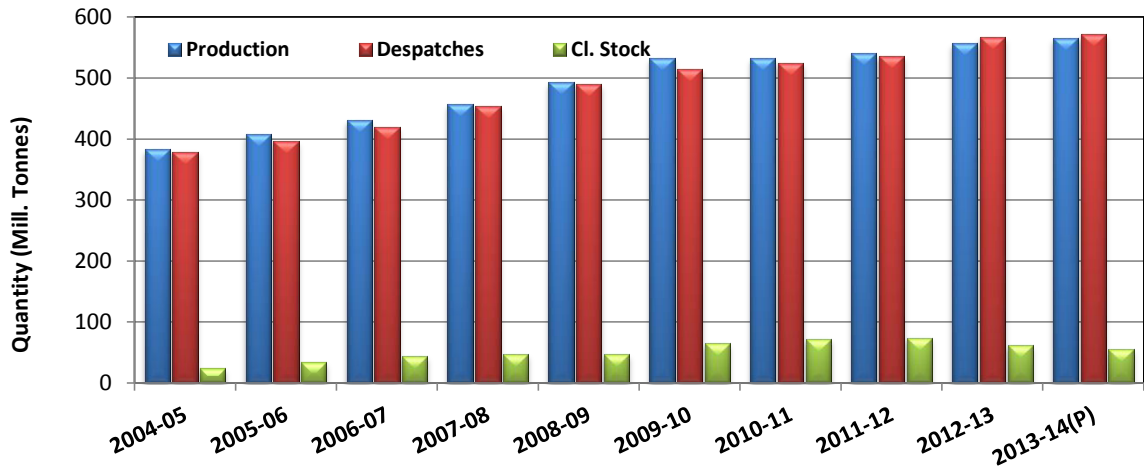
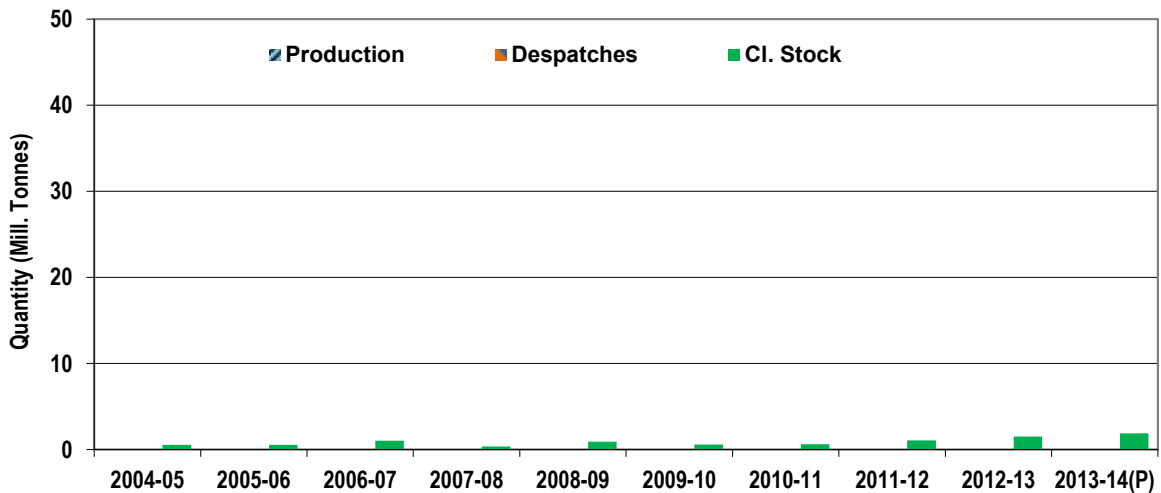


Chart-III : LIGNITE PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS



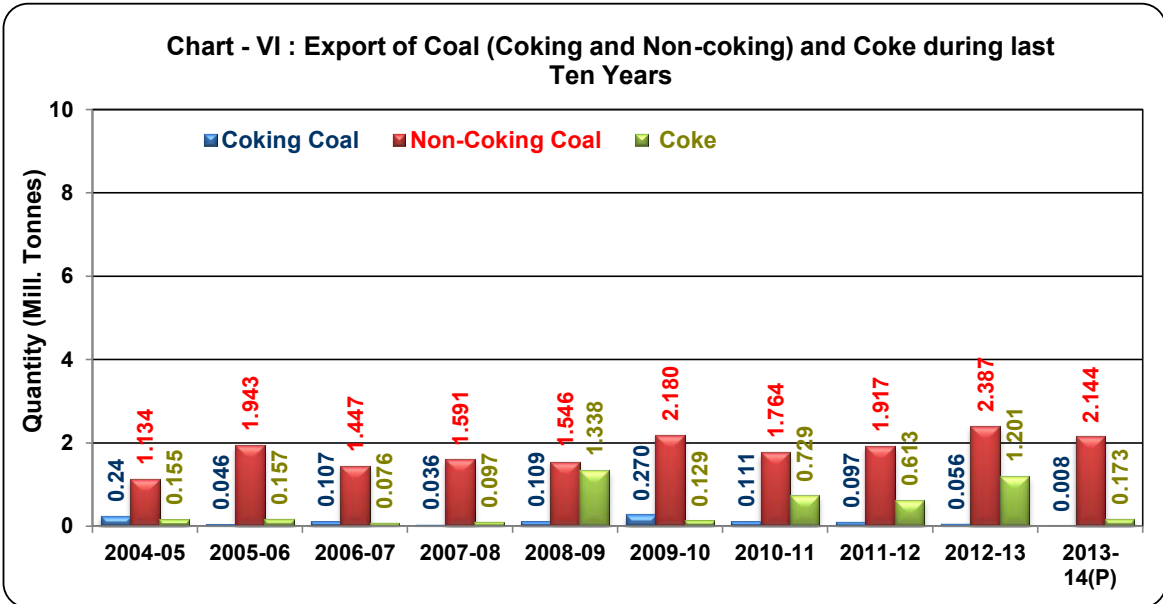
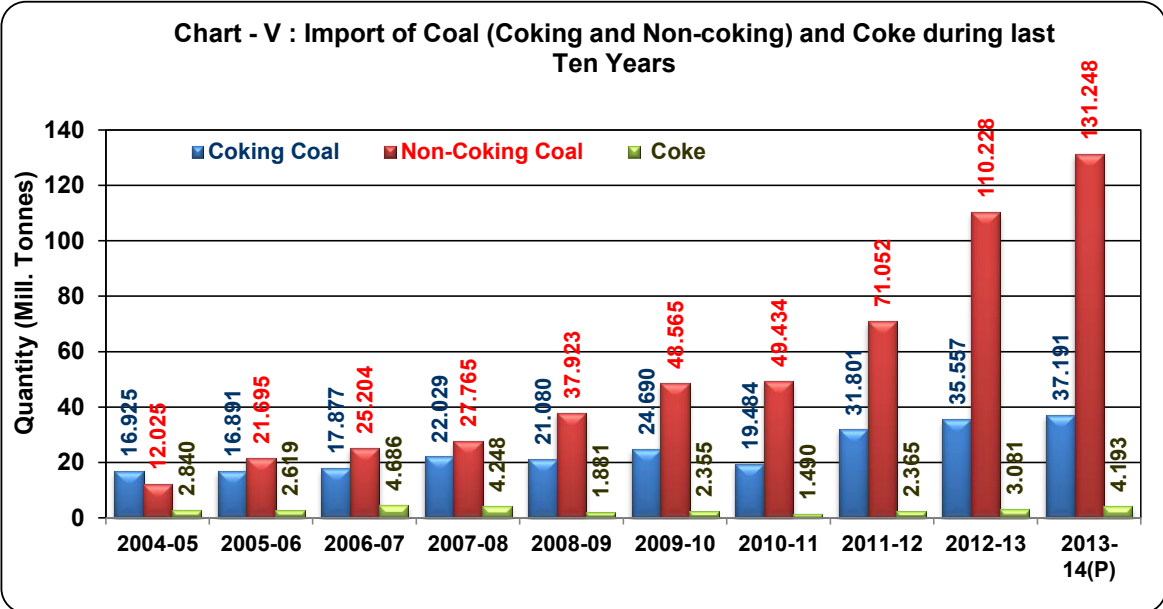
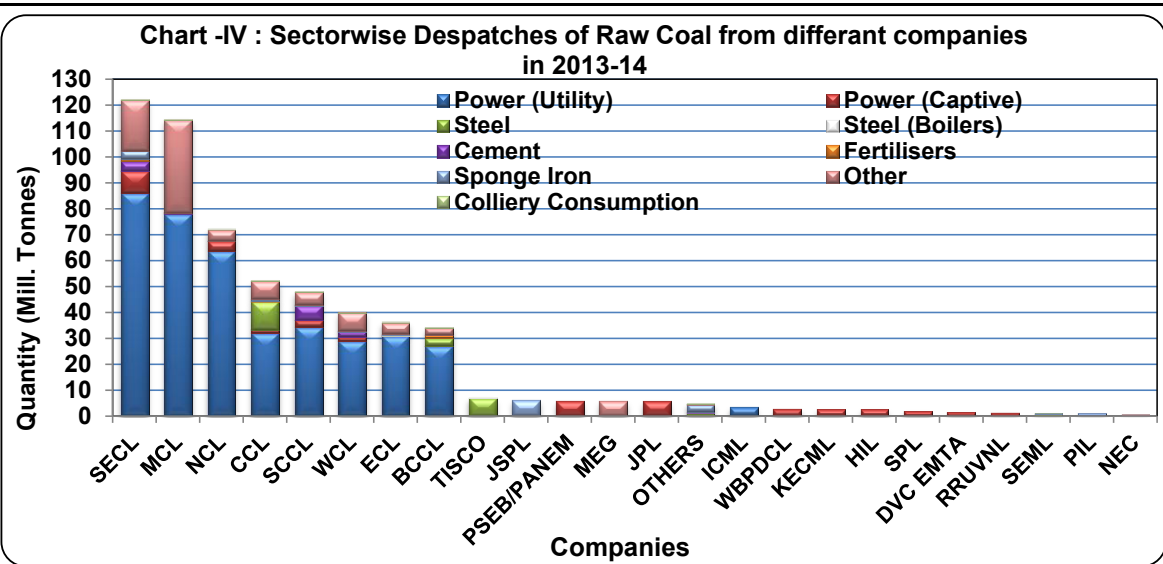


Table 1.1: All India Overall Coal Demand (BE) & Supply - Sectorwise: 2013-14

(Quantity in MillionTonnes)

Sector	Demand (BE)	ACTUAL			Achievement (%)
		Indegenous	Import	Total	
I. Coking Coal					
1 Steel /Coke Oven/ Private Cokeries	22.98	23.13		23.13	100.6%
2 Import	31.00		37.19	37.19	100%
Sub Total (R/C)	53.98	23.13	37.19	60.32	42.8%
II. Non Coking Coal					
3 Power (Utilities)	535.00	384.82		384.82	71.9%
4 Power (Captive)[CPP]*	46.14	42.41		42.41	91.9%
5 Sponge Iron	35.00	15.12		15.12	43.2%
6 Cement	30.00	11.96		11.96	39.9%
7 Others	69.57	94.46		94.46	135.8%
Sub-total (R/C)	715.71	548.77	131.25	680.01	76.7%
III. Total Raw Coal Offtake	769.69	571.89	168.44	740.33	74.3%

Note:

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

2 Import of Coal (actual) for the year 2013-14 (Source DGCIS)

* CPP includes despatch to Fertilizer sector.

Table 1.2: Supply Plan - Sourcewise in 2013-14 Quantity in MillionTonnes

SOURCE	Plan (BE)	Actual supply	Achievement (%)
1 ECL	35.20	36.250	103.0%
2 BCCL	33.20	34.128	102.8%
3 CCL	57.20	52.121	91.1%
4 NCL	73.50	72.111	98.1%
5 WCL	44.10	39.945	90.6%
6 SECL	124.50	122.027	98.0%
7 MCL	123.30	114.347	92.7%
8 NEC	1.00	0.577	57.7%
9 Total CIL	492.00	471.506	95.8%
10 SCCL	56.00	47.942	85.6%
11 Others	66.55	52.536	78.9%
All India	614.55	571.984	93.1%
Total Indegenous Coal Supply/ Availability			
a. Demand	769.69	740.33	96.2%
b. Demand- Supply (Indegenous) Gap	155.14	168.35	108.5%
c. Materialisation through Import	155.14	168.44	108.6%
d. Total Supply/ Availability	769.69	740.42	96.2%
e. Overall Demand - Supply Gap	0.00	-0.09	

Based on Annual Plan 2013-14 of MOC & Sectorwise Off-take table.

Table 1.3: Indegenous Coal Supply Plan (BE) & Achievement : 2013-14

(Quantity in MillionTonnes)

Sector	BE				Actual				Achievement (%)			
	CIL	SCCL	Others	Total	CIL	SCCL	Others	Total	CIL	SCCL	Others	Total
I. Coking Coal												
1 Steel (Indigenous)	9.72	0	13.51	23.23	14.50	0.11	8.52	23.13	149%		63%	100%
2 Private Cokeries/												
Sub Total (R/C)	9.72	0	13.51	23.23	14.50	0.11	8.52	23.13	149%		63%	100%
II. Non Coking Coal												
3 Power (Utilities)	377.00	35.60	20.40	433.00	347.00	34.27	3.55	384.82	92%	96%	17%	89%
4 Power (Captive)CPF	38.2	4.30	9.14	51.64	15.64	2.77	24.00	42.41	41%	64%	263%	82%
5 Sponge Iron/ CDI	12.11	1.00	13.19	26.30	4.75	0.41	9.96	15.12	39%	41%	76%	57%
6 Cement	7.03	7.40	0.46	14.89	6.11	5.53	0.32	11.96	87%	75%	70%	80%
7 Others	47.46	7.62	9.85	64.93	82.92	4.80	6.10	93.82	175%	63%	62%	144%
8 Coll. Consumption	0.48	0.08	0.0	0.56	0.59	0.05	0.00	0.64	123%	63%		115%
Sub-total (R/C)	482.28	56.00	53.04	591.32	457.01	47.83	43.93	548.76	95%	85%	83%	93%
III. Total Raw Coal	492.00	56.00	66.55	614.55	471.51	47.94	52.45	571.89	96%	86%	79%	93%

Based on Annual Plan 2013-14 of MOC & Sectorwise Off-take table.

CPP Includes Despatch to Fertilizer Sector.

TABLE-1.4: TOTAL PRIMARY SUPPLY (TPS) OF COAL & LIGNITE : 2004-05 to 2013-14 (Mill Tonnes)

Year	Fuel type	Production	Imports	Exports	Net Import	Opening Stock	Closing Stock	Stock Change	T P S
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2004-05	Coal	382.615	28.950	1.374	27.576	21.291	23.969	-2.678	407.513
	Lignite	30.411			0.000	0.212	0.536	-0.324	30.087
	Total	413.026	28.950	1.374	27.576	21.503	24.505	-3.002	437.600
2005-06	Coal	407.039	38.586	1.989	36.597	23.969	34.334	-10.365	433.271
	Lignite	30.228			0.000	0.536	0.525	0.011	30.239
	Total	437.267	38.586	1.989	36.597	24.505	34.859	-10.354	463.510
2006-07	Coal	430.832	43.081	1.554	41.527	34.334	44.348	-10.014	462.345
	Lignite	31.285			0.000	0.525	1.002	-0.477	30.808
	Total	462.117	43.081	1.554	41.527	34.859	45.350	-10.491	493.153
2007-08	Coal	457.082	49.794	1.627	48.167	44.348	46.779	-2.431	502.818
	Lignite	33.980			0.000	1.002	0.328	0.674	34.654
	Total	491.062	49.794	1.627	48.167	45.350	47.107	-1.757	537.472
2008-09	Coal	492.757	59.003	1.655	57.348	46.779	47.317	-0.538	549.567
	Lignite	32.421			0.000	0.328	0.903	-0.575	31.846
	Total	525.178	59.003	1.655	57.348	47.107	48.220	-1.113	581.413
2009-10	Coal	532.042	73.255	2.454	70.801	47.317	64.863	-17.546	585.297
	Lignite	34.071				0.903	0.565	0.338	34.409
	Total	566.113	73.255	2.454	70.801	48.220	65.428	-17.208	619.706
2010-11	Coal	532.694	68.918	4.409	64.509	64.863	72.192	-7.329	589.874
	Lignite	37.733				0.565	0.610	-0.045	37.688
	Total	570.427	68.918	4.409	64.509	65.428	72.802	-7.374	627.562
2011-12	Coal	539.950	102.853	2.014	100.839	72.192	74.040	1.848	642.637
	Lignite	42.332				0.610	1.051	0.441	42.773
	Total	582.282	102.853	2.014	100.839	72.802	75.091	2.289	685.410
2012-13	Coal	556.402	145.785	2.443	143.342	74.040	63.049	-10.991	688.753
	Lignite	46.453				1.051	1.493	0.442	46.895
	Total	602.855	145.785	2.443	143.342	75.091	64.542	-10.549	735.648
2013-14	Coal	565.766	168.439	2.153	166.286	63.049	55.178	-7.871	724.181
	Lignite	44.271				1.493	1.860	0.367	44.638
	Total	610.037	168.439	2.153	166.286	64.542	57.038	-7.504	768.819

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.

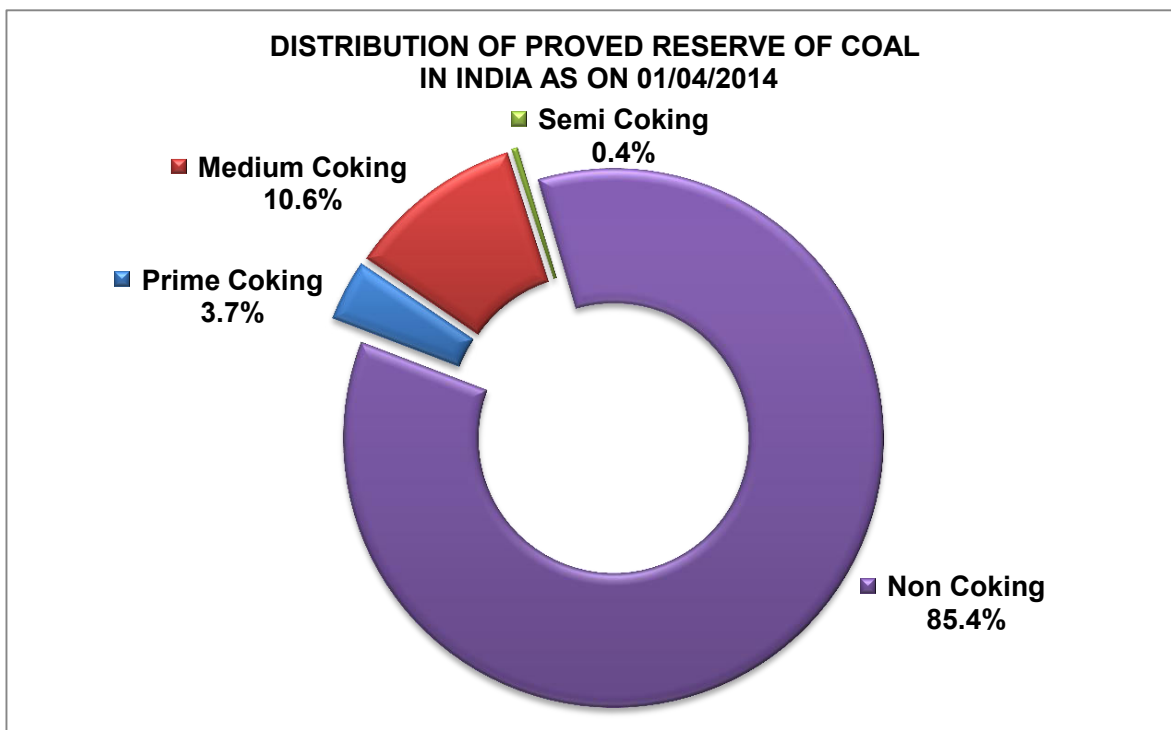
TABLE 1.5 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF RAW COAL & LIGNITE DURING 2012-13 & 2013-14
(Quantity in Million Tonnes)

Availability (within India)	2012-13	2013-14	Supply (within India)	2012-13				2013-14			
				Raw Coal	Lignite	Importe d Coal	Total	Raw Coal	Lignite	Importe d Coal	Total
(A) Production			Sectors								
Coking Coal	51.582	56.818									
Non-coking Coal	504.820	508.948									
Lignite	46.453	44.271	Steel & Washery	16.145	0.049	35.557	51.751	23.129	0.026	37.191	60.346
Total	602.855	610.037	Power (Utility+Captive)	446.764	37.199	38.702	522.665	427.230	36.476	46.082	509.788
(B) Change of Vendible Stock (Closing - Opening)			Cement	13.113	1.097	18.680	32.890	11.963	1.397	22.242	35.602
Coking Coal	-3.096	-1.466	Textile	0.304	3.468		3.772	0.360	2.829		3.189
Non-coking Coal	-7.895	-6.405	Sponge Iron	20.903			20.903	15.116			15.116
Lignite	0.442	0.368	Fertilizer & Chem.	2.861	0.594		3.455	2.817	0.325		3.142
Total Change (Cl - Op)	-10.549	-7.503	Paper	2.118	0.694		2.812	1.668	0.662		2.330
(C) Import			Brick	2.006	0.866		2.872	5.989	0.638		6.627
Coking Coal	35.557	37.191	Others	62.922	2.346	52.846	118.114	82.979	1.544	62.924	147.447
Non-coking Coal	110.228	131.248	Colliery Consmn.	0.468			0.468	0.643			0.643
Total Raw Coal	145.785	168.439	Total Off-take	567.604	46.313	145.785	759.702	571.894	43.897	168.439	784.230
(D) Export	2.443	2.153									
			Statistical Difference				-2.956				-0.404
(E) Total Availability	756.746	783.826	Total Supply				756.746				783.826

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

Type of Coal (1)	As on (2)	Reserve (Quantity in Million Tonnes)			
		Proved (3)	Indicated (4)	Inferred (5)	Total (6)
Prime Coking	01/04/2012	4,614	699	0	5,313
	01/04/2013	4,614	699	0	5,313
	01/04/2014	4,614	699	0	5,313
Medium Coking	01/04/2012	12,837	11,951	1,880	26,669
	01/04/2013	13,269	11,893	1,879	27,041
	01/04/2014	13,303	11,867	1,879	27,049
Blendable / Semi Coking	01/04/2012	482	1,003	222	1,707
	01/04/2013	482	1,003	222	1,707
	01/04/2014	482	1,004	222	1,708
Non Coking (Including High Sulphur)	01/04/2012	100,211	128,515	31,081	259,807
	01/04/2013	104,816	129,037	30,999	264,852
	01/04/2014	107,509	128,937	31,047	267,494
Total	01/04/2012 *	118,145	142,169	33,182	293,497
	01/04/2013 *	123,182	142,632	33,100	298,914
	01/04/2014 *	125,909	142,506	33,148	301,564



* Including Sikkim

Source: Geological Survey of India

TABLE - 1.7: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2012, 2013 & 2014

(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)
GONDAWANA COALFIELDS						TERTIARY COAL FIELDS					
ASSAM	1/4/2012	0	3	0	3	ARUNACHAL	1/4/2012	31	40	19	90
	1/4/2013	0	3	0	3	PRADESH	1/4/2013	31	40	19	90
	1/4/2014	0	4	0	4		1/4/2014	31	40	19	90
ANDHRA PRADESH	1/4/2012	9,567	9,554	3,034	22,155	ASSAM	1/4/2012	465	43	3	511
	1/4/2013	9,604	9,554	3,049	22,207		1/4/2013	465	43	3	511
	1/4/2014	9,729	9,670	3,068	22,468		1/4/2014	465	43	3	511
JHARKHAND	1/4/2012	40,163	33,609	6,584	80,356	MEGHALAYA	1/4/2012	89	17	471	576
	1/4/2013	41,155	32,986	6,559	80,701		1/4/2013	89	17	471	576
	1/4/2014	41,377	32,780	6,559	80,716		1/4/2014	89	17	471	576
BIHAR	1/4/2012	0	0	160	160	NAGALAND	1/4/2012	9	0	307	315
	1/4/2013	0	0	160	160		1/4/2013	9	0	307	315
	1/4/2014	0	0	160	160		1/4/2014	9	0	307	315
MADHYA PRADESH	1/4/2012	9,309	12,291	2,777	24,376	TERTIARY	1/4/2012	594	99	799	1,493
	1/4/2013	9,818	12,355	2,889	25,061	Coalfields	1/4/2013	594	99	799	1,493
	1/4/2014	10,411	12,382	2,879	25,673		1/4/2014	594	99	799	1,493
CHHATTISGARH	1/4/2012	13,988	33,448	3,410	50,846	INDIA	1/4/2012	118,145	142,169	33,183	293,497
	1/4/2013	14,779	34,107	3,283	52,169		1/4/2013	123,182	142,632	33,100	298,914
	1/4/2014	16,052	33,253	3,228	52,533		1/4/2014	125,909	142,506	33,149	301,564
MAHARASHTRA	1/4/2012	5,667	3,104	2,110	10,882	Singrimari coalfield of Assam (Non-Coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.					
	1/4/2013	5,667	3,186	2,110	10,964						
	1/4/2014	5,667	3,186	2,110	10,964						
ORISSA	1/4/2012	25,548	36,466	9,434	71,447						
	1/4/2013	27,284	37,110	9,316	73,710						
	1/4/2014	27,791	37,873	9,408	75,073						
SIKKIM	1/4/2012	0	58	43	101						
	1/4/2013	0	58	43	101						
	1/4/2014	0	58	43	101						
UTTAR PRADESH	1/4/2012	884	178	0	1,062						
	1/4/2013	884	178	0	1,062						
	1/4/2014	884	178	0	1,062						
WEST BENGAL	1/4/2012	12,425	13,358	4,832	30,616						
	1/4/2013	13,396	12,995	4,892	31,283						
	1/4/2014	13,403	13,022	4,893	31,318						
GONDAWANA	1/4/2012	117,551	142,070	32,384	292,005						
	1/4/2013	122,588	142,532	32,301	297,421						
	1/4/2014	125,315	142,407	32,350	300,072						

Source: Geological Survey of India

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

TABLE - 1.8 : STATEWISE INVENTORY OF GEOLOGICAL RESERVE OF LIGNITE
AS ON 1st APRIL 2012, 2013 & 2014

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

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

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

Year	Item	Production				Despatch			
		Coking Coal	Non-coking Coal	Total Coal	Lignite	Coking Coal	Non-coking Coal	Total Coal	Lignite
2008-09	Provisional	33.309	459.636	492.945	32.421	35.674	453.321	488.995	31.793
	Actual	34.809	457.948	492.757	32.421	35.724	453.448	489.172	31.793
	Change(A-P)	4.50%	-0.37%	-0.04%	0.00%	0.14%	0.03%	0.04%	0.00%
2009-10	Provisional	44.256	487.806	532.062	34.071	42.627	470.592	513.219	34.431
	Actual	44.413	487.629	532.042	34.071	42.469	471.323	513.792	34.430
	Change(A-P)	0.35%	-0.04%	0.00%	0.00%	-0.37%	0.16%	0.11%	0.00%
2010-11	Provisional	49.533	483.543	533.076	37.735	48.936	474.311	523.247	37.516
	Actual	49.547	483.147	532.694	37.733	48.950	474.515	523.465	37.685
	Change(A-P)	0.03%	-0.08%	-0.07%	-0.01%	0.03%	0.04%	0.04%	0.45%
2011-12	Provisional	51.654	488.286	539.940	43.105	51.528	483.624	535.152	42.500
	Actual	51.660	488.290	539.950	42.332	51.723	483.576	535.299	41.883
	Change(A-P)	0.01%	0.00%	0.00%	-1.79%	0.38%	-0.01%	0.03%	-1.45%
2012-13	Provisional	51.834	505.873	557.707	46.598	55.212	514.555	569.767	46.312
	Actual	51.582	504.820	556.402	46.453	55.859	511.277	567.136	46.313
	Change(A-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	513.168	571.470	43.897

N.B : P=Provisional, A=Actual

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

(Million Tonnes)

Year	Raw Coal		Lignite		Total Solid Fossil Fuel	
	Production	Growth (%)	Production	Growth (%)	Production	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	382.615	5.92	30.411	8.77	413.026	6.12
2005-06	407.039	6.38	30.228	0.60	437.267	5.87
2006-07	430.832	5.85	31.285	3.50	462.117	5.68
2007-08	457.082	6.09	33.980	8.61	491.062	6.26
2008-09	492.757	7.80	32.421	4.59	525.178	6.95
2009-10	532.042	7.97	34.071	5.09	566.113	7.79
2010-11	532.694	0.12	37.733	10.75	570.427	0.76
2011-12	539.950	1.36	42.332	12.19	582.282	2.08
2012-13	556.402	3.05	46.453	9.73	602.855	3.53
2013-14	565.766	1.68	44.271	-4.70	610.037	1.19

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

(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)
2004-05	18.194	-0.4	30.224	2.8	352.391	6.2	382.615	5.9
2005-06	17.123	-5.9	31.511	4.3	375.528	6.6	407.039	6.4
2006-07	17.231	0.6	32.097	1.9	398.735	6.2	430.832	5.8
2007-08	18.065	4.8	34.455	7.3	422.627	6.0	457.082	6.1
2008-09	17.301	-4.2	33.809	1.0	457.948	8.4	492.757	7.8
2009-10	17.731	2.5	44.413	31.4	487.629	6.5	532.042	8.0
2010-11	17.695	-0.2	49.547	11.6	483.147	-0.9	532.694	0.1
2011-12	16.239	-8.2	51.660	4.3	488.290	1.1	539.950	1.4
2012-13	14.547	-10.4	51.582	-0.2	504.820	3.4	556.402	3.0
2013-14	9.713	-33.2	56.818	10.2	508.948	0.8	565.766	1.7

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

(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)
2004-05	8.790	7.2	10.556	N.A.	5.168	6.6	1.605	N.A.	12.673	-3.4
2005-06	8.376	-4.7	12.555	18.9	5.582	8.0	2.793	74.0	13.347	5.3
2006-07	7.025	-16.1	12.688	1.1	5.876	5.3	2.858	2.3	12.566	-5.9
2007-08	7.171	2.1	12.686	0.0	6.150	4.7	3.276	14.6	12.542	-0.2
2008-09	7.181	0.1	13.550	6.8	5.294	-13.9	3.264	-0.4	12.619	0.6
2009-10	6.547	-8.8	13.963	3.0	4.642	-12.3	3.264	0.0	12.663	0.3
2010-11	6.955	6.2	14.531	4.1	4.643	0.0	3.589	10.0	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	6.615	1.0	15.700	10.6	4.986	-8.7	4.037	5.5	12.606	7.8

Note:

1. All the above figures of Washed Coal & Middling relate to coal companies (private & public). Washeries not owned by coal companies are not included here.
2. Hard Coke data relate to steel plants only. Private sector are not covered as data are not readily available.

TABLE 2.4: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL, LIGNITE & COAL PRODUCTS IN 2013-14
(Million Tonnes)

MONTH	Coking Coal			Non-coking Coal			Raw Coal			Lignite		
	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2013-14												
Apr-13	4.486	18.1	7.9	38.989	2.1	7.7	43.475	3.6	7.7	4.400	5.6	9.9
May-13	4.407	10.3	7.8	38.799	-4.6	7.6	43.206	-3.3	7.6	4.521	9.8	10.2
Jun-13	4.330	11.5	7.6	36.091	-4.7	7.1	40.421	-3.2	7.1	3.718	-6.3	8.4
1st Quarter	13.223	13.2	23.3	113.879	-2.5	22.4	127.102	-1.0	22.5	12.639	3.2	28.5
Jul-13	4.386	15.0	7.7	35.486	-0.7	7.0	39.872	0.8	7.0	2.523	-27.8	5.7
Aug-13	4.221	22.6	7.4	34.160	4.8	6.7	38.381	6.5	6.8	2.895	-13.1	6.5
Sep-13	4.240	25.0	7.5	36.761	12.7	7.2	41.001	13.8	7.2	3.139	2.3	7.1
2nd Quarter	12.847	20.6	22.6	106.407	5.4	20.9	119.254	6.8	21.1	8.557	-13.5	19.3
Oct-13	4.163	12.7	7.3	38.568	-4.6	7.6	42.731	-3.1	7.6	2.882	-12.5	6.5
Nov-13	4.452	8.1	7.8	43.259	3.3	8.5	47.711	3.7	8.4	2.879	-11.2	6.5
Dec-13	4.986	-1.2	8.8	49.299	1.6	9.7	54.285	1.4	9.6	3.933	0.7	8.9
3rd Quarter	13.601	5.8	23.9	131.126	0.3	25.8	144.727	0.8	25.6	9.694	-7.1	21.9
Jan-14	5.473	5.4	9.6	51.655	1.0	10.1	57.128	1.4	10.1	4.449	4.3	10.0
Feb-14	5.049	0.9	8.9	47.210	1.7	9.3	52.259	1.6	9.2	3.982	-5.1	9.0
Mar-14	6.625	6.8	11.7	58.671	-0.1	11.5	65.296	0.6	11.5	4.950	-8.5	11.2
4th Quarter	17.147	4.6	30.2	157.536	0.8	31.0	174.683	1.1	30.9	13.381	-3.5	30.2
2013-14	56.818	10.2	110.2	508.948	0.8	100.8	565.766	1.7	101.7	44.271	-4.7	95.3

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, LIGNITE & COAL PRODUCTS IN 2013-14

Quantity in Million Tonnes															
MONTH	Washed Coal(Coking)			Washed Coal(N-coking)			Middlings(coking)			Middlings(N-coking)			Hard Coke		
	Prdn	Growth*	Share**	Prdn	growth*	share**	Prdn	Growth*	share**	Prdn	rowth*	Share**	Prdn	Growth*	Share**
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
2013-14															
Apr-13	0.575	2.5	8.7	1.205	18.1	7.7	0.468	-1.9	9.4	0.370	24.2	9.2	0.990	0.7	7.9
May-13	0.546	-7.3	8.3	1.502	49.8	9.6	0.449	-8.2	9.0	0.320	-3.3	7.9	1.042	5.4	8.3
Jun-13	0.537	0.0	8.1	1.407	40.3	9.0	0.453	7.3	9.1	0.364	29.1	9.0	1.025	8.1	8.1
1st Quarter	1.658	-1.7	25.1	4.114	36.0	26.2	1.370	-1.3	27.5	1.054	15.7	26.1	3.057	4.7	24.3
Jul-13	0.560	14.8	8.5	1.547	39.4	9.9	0.450	6.9	9.0	0.330	-0.3	8.2	1.070	9.1	8.5
Aug-13	0.533	12.4	8.1	1.331	19.8	8.5	0.386	1.8	7.7	0.287	-11.7	7.1	1.108	13.3	8.8
Sep-13	0.591	16.8	8.9	1.116	6.3	7.1	0.377	-12.3	7.6	0.292	-9.6	7.2	1.045	11.5	8.3
2nd Quarter	1.684	14.7	25.5	3.994	22.1	25.4	1.213	-1.4	24.3	0.909	-7.2	22.5	3.223	11.3	25.6
Oct-13	0.545	-0.2	8.2	1.249	-1.0	8.0	0.339	-23.3	6.8	0.336	-1.8	8.3	1.045	8.9	8.3
Nov-13	0.525	0.6	7.9	1.199	-8.5	7.6	0.365	-22.2	7.3	0.317	5.7	7.9	1.027	8.8	8.1
Dec-13	0.560	-2.4	8.5	1.410	8.2	9.0	0.405	-13.8	8.1	0.306	5.9	7.6	1.080	7.6	8.6
3rd Quarter	1.630	-0.7	24.6	3.858	-0.4	24.6	1.109	-19.7	22.2	0.959	3.0	23.8	3.152	8.4	25.0
Jan-14	0.564	-5.4	8.5	1.204	-8.9	7.7	0.472	-1.9	9.5	0.340	15.3	8.4	1.077	5.9	8.5
Feb-14	0.550	0.2	8.3	1.172	-13.8	7.5	0.410	-10.9	8.2	0.335	-2.6	8.3	0.990	7.4	7.9
Mar-14	0.529	-13.0	8.0	1.358	1.6	8.6	0.412	-21.4	8.3	0.440	20.5	10.9	1.107	7.4	8.8
4th Quarter	1.643	-6.3	24.8	3.734	-7.1	23.8	1.294	-11.7	26.0	1.115	11.1	27.6	3.174	6.9	25.2
2013-14	6.615	1.0	101.0	15.700	10.6	110.6	4.986	-8.7	91.3	4.037	5.5	105.5	12.606	7.8	107.8

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

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

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

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

TABLE 2.6 : SHARE OF RAW COAL PRODUCTION BY STATES IN LAST TEN YEARS
(Quantity in Million Tonnes)

Year	State: Andhra Pradesh			State: Assam			State: Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2004-05	35.303	9.2	4.3	0.628	0.2	-14.3	69.253	18.1	12.6
2005-06	36.138	8.9	2.4	1.101	0.3	75.3	76.358	18.8	10.3
2006-07	37.707	8.8	4.3	1.050	0.2	-4.6	83.241	19.3	9.0
2007-08	40.604	8.9	7.7	1.101	0.2	4.9	90.172	19.7	8.3
2008-09	44.546	9.0	9.7	1.009	0.2	-8.4	101.922	20.7	13.0
2009-10	50.429	9.5	13.2	1.113	0.2	10.3	109.953	20.7	7.9
2010-11	51.333	9.6	1.8	1.101	0.2	-1.1	113.83	21.4	3.5
2011-12	52.211	9.7	1.7	0.602	0.1	-45.3	113.96	21.1	0.1
2012-13	53.190	9.6	1.9	0.605	0.1	0.5	117.830	21.2	3.4
2013-14	50.469	8.9	-5.1	0.664	0.1	9.8	127.1	22.5	7.9

Year	State: Jammu & Kashmir			State: Jharkhand			State: Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2004-05	0.023	0.0	21.1	78.038	20.4	-1.9	52.511	13.7	5.4
2005-06	0.019	0.0	-17.4	85.423	21.0	9.5	55.579	13.7	5.8
2006-07	0.016	0.0	-15.8	88.764	20.6	3.9	59.726	13.9	7.5
2007-08	0.017	0.0	6.3	90.895	19.9	2.4	67.841	14.8	13.6
2008-09	0.011	0.0	-35.3	96.272	19.5	5.9	71.325	14.5	5.1
2009-10	0.023	0.0	109.1	105.917	19.9	10.0	74.074	13.9	3.9
2010-11	0.023	0.0	0.0	108.949	20.5	2.9	71.104	13.3	-4.0
2011-12	0.020	0.0	-13.0	109.566	20.3	0.6	71.123	13.2	0.0
2012-13	0.019	0.0	-5.0	111.274	20.0	1.6	75.948	13.6	6.8
2013-14	0.019	0.0	0.0	113.094	20.0	1.6	75.590	13.4	-0.5

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

Note: The State of Chhattisgarh is 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.

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

(Quantity in Million Tonnes)

Year	State: Orissa			State: Uttar Pradesh			State: West Bengal		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2004-05	66.604	17.4	10.7	16.804	4.4	6.4	23.577	6.2	9.7
2005-06	70.540	17.3	5.9	15.721	3.9	-6.4	24.475	6.0	3.8
2006-07	81.160	18.8	15.1	12.228	2.8	-22.2	24.938	5.8	1.9
2007-08	89.482	19.6	10.3	11.426	2.5	-6.6	22.521	4.9	-9.7
2008-09	98.402	20.0	10.0	12.029	2.4	5.3	22.905	4.6	1.7
2009-10	106.409	20.0	8.1	13.968	2.6	16.1	23.133	4.3	1.0
2010-11	102.565	19.3	-3.6	15.526	2.9	11.2	21.659	4.1	-6.4
2011-12	105.476	19.5	2.8	16.178	3.0	4.2	24.230	4.5	11.9
2012-13	110.132	19.8	4.4	16.090	2.9	-0.5	26.467	4.8	9.2
2013-14	112.917	20.0	2.5	14.721	2.6	-8.5	28.242	5.0	6.7

Year	State: Arunachal Pradesh			Year	ALL INDIA	
	Quantity	Share (%)	Growth (%)		Quantity	Growth (%)
(41)	(42)	(43)	(44)	(45)	(46)	(47)
2004-05				2004-05	382.615	5.9
2005-06				2005-06	407.039	6.4
2006-07				2006-07	430.832	5.8
2007-08	0.079	0.0	0.0	2007-08	457.082	6.1
2008-09	0.142	0.0	79.7	2008-09	492.757	7.8
2009-10	0.251	0.0	76.8	2009-10	532.042	8.0
2010-11	0.299	0.1	19.1	2010-11	532.694	0.1
2011-12	0.221	0.0	-26.1	2011-12	539.950	1.4
2012-13	0.073	0.0	-67.0	2012-13	556.402	3.0
2013-14	0.000	0.0	-100.0	2013-14	565.766	1.7

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

(Quantity in Million Tonnes)

Year	State: Tamilnadu			State: Gujarat			State: Rajasthan		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2004-05	21.567	71.1	4.9	8.222	27.1	22.3	0.548	1.8	-19.2
2005-06	20.435	68.0	-5.2	8.944	29.7	8.8	0.687	2.3	25.4
2006-07	21.014	67.2	2.8	9.808	31.4	9.7	0.463	1.5	-32.6
2007-08	21.586	63.5	2.7	11.788	34.7	20.2	0.606	1.8	30.9
2008-09	21.308	65.7	-1.3	10.114	31.2	-14.2	0.999	3.1	64.9
2009-10	22.338	65.6	4.8	10.526	30.9	4.1	1.207	3.5	20.8
2010-11	23.144	61.3	3.6	13.064	34.6	24.1	1.525	4.0	26.3
2011-12	24.590	58.1	6.2	14.779	34.9	13.1	2.963	7.0	94.3
2012-13	24.844	53.5	1.0	14.528	31.3	-1.7	7.081	15.2	139.0
2013-14	25.056	56.6	0.9	11.594	26.2	-20.2	7.621	17.2	7.6

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
2004-05	30.337	8.5
2005-06	30.066	-0.9
2006-07	31.285	4.1
2007-08	33.980	8.6
2008-09	32.421	-4.6
2009-10	34.071	5.1
2010-11	37.733	10.7
2011-12	42.332	12.2
2012-13	46.453	9.7
2013-14	44.271	-4.7

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

(Quantity in Million Tonnes)

State	2009-10	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)
COKING					
Chhattisgarh	0.150	0.163	0.189	0.157	0.125
Jharkhand	43.666	48.945	51.108	51.065	55.088
Madhya Pradesh	0.545	0.403	0.319	0.330	0.249
West Bengal	0.052	0.036	0.044	0.030	1.356
Total Coking	44.413	49.547	51.660	51.582	56.818
NON-COKING					
Andhra Pradesh	50.429	51.333	52.211	53.190	50.469
Arunachal Pradesh	0.251	0.299	0.221	0.073	0
Assam	1.113	1.101	0.602	0.605	0.664
Chhattisgarh	109.803	113.661	113.769	117.673	126.970
Jammu & Kashmir	0.023	0.024	0.020	0.019	0.019
Jharkhand	62.251	60.004	58.458	60.209	58.006
Madhya Pradesh	73.529	70.701	70.804	75.618	75.341
Maharashtra	41.005	39.336	39.159	39.134	37.223
Meghalaya	5.767	6.974	7.206	5.640	5.732
Orissa	106.409	102.565	105.476	110.132	112.917
Uttar Pradesh	13.968	15.526	16.178	16.090	14.721
West Bengal	23.081	21.623	24.186	26.437	26.886
Total Non-Coking	487.629	483.147	488.290	504.820	508.948

TABLE 2.8A: STATEWISE PRODUCTION OF LIGNITE IN LAST FIVE YEARS

[Quantity in Million Tonnes]

State	2009-10	2010-11	2011-12	2012-13	2013-14
(1)	(2)	(3)	(4)	(5)	(6)
Gujarat	10.526	13.064	14.779	14.528	11.594
Rajasthan	1.207	1.525	2.963	7.081	7.621
Tamilnadu	22.338	23.144	24.590	24.844	25.056
TOTAL	34.071	37.733	42.332	46.453	44.271

TABLE 2.9 : TRENDS OF COMPANY WISE PRODUCTION OF COAL & LIGNITE DURING LAST THREE YEARS

[Quantity in Million Tonnes]									
Company	2011-12			2012-13			2013-14		
	Coking	Non-coking	Total	Coking	Non-coking	Total	Coking	Non-coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.051	30.507	30.558	0.043	33.858	33.901	0.048	35.999	36.047
BCCL	27.250	2.957	30.207	26.970	4.241	31.211	30.055	2.557	32.612
CCL	15.549	32.455	48.004	16.181	31.880	48.061	18.441	31.581	50.022
NCL		66.401	66.401		70.021	70.021	0.000	68.639	68.639
WCL	0.319	42.791	43.110	0.330	41.957	42.287	0.249	39.480	39.729
SECL	0.189	113.648	113.837	0.157	118.062	118.219	0.125	124.136	124.261
MCL		103.119	103.119		107.895	107.895	0.000	110.439	110.439
NEC		0.602	0.602		0.605	0.605	0.000	0.664	0.664
CIL	43.358	392.480	435.838	43.681	408.519	452.200	48.918	413.495	462.413
SCCL		52.211	52.211		53.190	53.190		50.469	50.469
JKML		0.020	0.020		0.019	0.019		0.019	0.019
JSMDCL		0.118	0.118			0			0
DVC	0.328	0	0.328		0.203	0.203		0.054	0.054
DVC EMTA		1.165	1.165		1.836	1.836		1.519	1.519
IISCO	0.434	0.164	0.598	0.560	0.155	0.715	0.541	0.081	0.622
SAIL	0.040		0.040	0.033	0.069	0.102	0.044	0.025	0.069
APMDTCL		0.221	0.221		0.073	0.073			0
WBPDCCL	0	2.814	2.814	0	3.266	3.266		2.607	2.607
WBMDTCL			0.000		0.348	0.348		0.726	0.726
PSEB/PANEM		8.301	8.301		6.926	6.926		5.879	5.879
RRUVNL			0.000		0.293	0.293		1.197	1.197
KECML		2.189	2.189		2.506	2.506		2.502	2.502
MPSMCL			0.000			0.000		0.005	0.005
Total Public	44.160	459.683	503.843	44.274	477.403	521.677	49.503	478.578	528.081
TISCO	7.394	0.067	7.461	7.214	0.081	7.295	6.905	0.067	6.972
Meghalaya		7.206	7.206		5.640	5.640		5.732	5.732
ICML		3.745	3.745		3.129	3.129		2.708	2.708
JSPL		5.998	5.998		5.999	5.999		5.999	5.999
HIL		2.357	2.357		2.237	2.237		2.478	2.478
MIEL		0.851	0.851		0.795	0.795		0.919	0.919
BLA		0.299	0.299		0.300	0.300		0.300	0.300
CML			0			0			0
PIL		1.000	1.000		1.000	1.000		1.000	1.000
JNL		0.480	0.480		0.480	0.480		0.446	0.446
JPL		5.250	5.250		5.250	5.250		6.226	6.226
SIL		0.160	0.160		0.248	0.248		0.148	0.148
ESCL	0.106		0.106	0.094	0.005	0.099	0.410	0.051	0.461
UML		0.351	0.351		0.560	0.560		0.762	0.762
SEML		0.774	0.774		0.976	0.976		1.165	1.165
BSIL		0.003	0.003		0.062	0.062		0.081	0.081
TUML		0.066	0.066		0.341	0.341		0.317	0.317
SPL					0.225	0.225		1.695	1.695
SOVA					0.089	0.089		0.276	0.276
GVK						0		0.000	0.000
Total Private	7.500	28.607	36.107	7.308	27.417	34.725	7.315	30.370	37.685
ALL INDIA	51.660	488.290	539.950	51.582	504.820	556.402	56.818	508.948	565.766
LIGNITE									
NLC			24.590			26.223			26.609
GMDCL			11.343			10.905			8.398
GIPCL			3.042			3.326			3.006
RSMML			2.120			1.387			1.428
GHCL			0.394			0.297			0.190
VSLPPL			0.843			0.815			0.890
BLMCL						3.500			3.750
ALL INDIA			42.332			46.453			44.271
COAL & LIGNITE			582.282			602.855			610.037

TABLE 2.10: BLOCK WISE PRODUCTION OF RAW COAL DURING 2013-14

[Quantity in Million Tonnes]

Captive Block	Company	State	Coking Coal	Non Coking Coal	Total Coal
Tasra	SAIL/IISCO	Jharkhand	0.044	0.025	0.069
Barjora North	DVCEMTA	West Bengal		1.519	1.519
Namchik Namphuk	APMDTCL	Arunachal Pradesh			0.000
Parsa E & Kanta Basan	RRUVNL	Chhittigarh		1.197	1.197
Trans Damodar	WBMDTCL	West Bengal		0.726	0.726
Tara East & West	WBPDCCL	West Bengal		2.294	2.294
Barjore	WBPDCCL	West Bengal		0.035	0.035
Gangaramchak & Bhadulia	WBPDCCL	West Bengal		0.180	0.180
Panchwara North	WBPDCCL	Jharkhand		0.098	0.098
Pachwara Central	PSEB	Jharkhand		5.879	5.879
Baranj I-IV, Kiloni, Manora	KPCL	Maharashtra		2.502	2.502
Amelia North	MPSMCL	Madhya Pradesh		0.005	0.005
Total Public			0.044	14.460	14.504
Ardhagram	SOVA	West Bengal		0.276	0.276
Belgaon	SIL	Maharashtra		0.148	0.148
Chotia	PIL	Chhittigarh		1.000	1.000
Gare Palma IV/1	JSPL	Chhittigarh		5.999	5.999
Gare Palma IV/2&3	JPL	Chhittigarh		6.226	6.226
Gare Palma IV/4	JNL	Chhittigarh		0.446	0.446
Gare Palma IV/5	MIEL	Chhittigarh		0.919	0.919
Gare Palma IV/7	SEML	Chhittigarh		1.165	1.165
Gotitoria E&W	BLA	Madhya Pradesh		0.300	0.300
Kathautia	UML	Jharkhand		0.762	0.762
Marki Mangli I	BSIL	Maharashtra		0.081	0.081
Marki Mangli II-III	TUML	Maharashtra		0.317	0.317
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		1.695	1.695
Parbatpur Central	ESCL	Jharkhand	0.410	0.051	0.461
Sarshatali	ICML	West Bengal		2.708	2.708
Talabira I	HIL	Orissa		2.478	2.478
Total Private			0.410	24.571	24.981
Grand Total			0.454	39.031	39.485

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

STATES	COAL COMPANY	2011 - 2012			2012 - 2013			2013 - 2014		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	SCCL		52.211	52.211		53.190	53.190		50.469	50.469
Arunachal Pradesh	APMDTCL		0.221	0.221		0.073	0.073		0.000	0.000
Assam	NEC		0.602	0.602		0.605	0.605		0.664	0.664
Chhattisgarh	SECL	0.189	99.416	99.605	0.157	102.880	103.037	0.125	110.018	110.143
Chhattisgarh	JSPL		5.998	5.998		5.999	5.999		5.999	5.999
Chhattisgarh	MIEL		0.851	0.851		0.795	0.795		0.919	0.919
Chhattisgarh	PIL		1.000	1.000		1.000	1.000		1.000	1.000
Chhattisgarh	JPL		5.250	5.250		5.250	5.250		6.226	6.226
Chhattisgarh	JNL		0.480	0.480		0.480	0.480		0.446	0.446
Chhattisgarh	SEML		0.774	0.774		0.976	0.976		1.165	1.165
Chhattisgarh	CML			0			0		0	0
Chhattisgarh	RRUVNL					0.293	0.293		1.197	1.197
Chhattisgarh	TOTAL	0.189	113.769	113.958	0.157	117.673	117.830	0.125	126.970	127.095
Jammu & Kashmir	JKML		0.020	0.020		0.019	0.019		0.019	0.019
Jharkhand	ECL	0.041	14.209	14.250	0.033	16.290	16.323	0.038	17.133	17.171
Jharkhand	BCCL	27.216	2.957	30.173	26.950	4.195	31.145	28.709	2.356	31.065
Jharkhand	CCL	15.549	32.455	48.004	16.181	31.880	48.061	18.441	31.581	50.022
Jharkhand	JSMDCL		0.118	0.118		0	0		0	0
Jharkhand	DVC	0.328		0.328		0.203	0.203		0.054	0.054
Jharkhand	IISCOCJ	0.434		0.434	0.560		0.560	0.541		0.541
Jharkhand	WBPDCCL								0.098	0.098
Jharkhand	TISCO	7.394	0.067	7.461	7.214	0.081	7.295	6.905	0.067	6.972
Jharkhand	PSEB/PANEM		8.301	8.301		6.926	6.926		5.879	5.879
Jharkhand	UML		0.351	0.351		0.560	0.560		0.762	0.762
Jharkhand	ESCL	0.106		0.106	0.094	0.005	0.099	0.410	0.051	0.461
Jharkhand	SAIL	0.040		0.040	0.033	0.069	0.102	0.044	0.025	0.069
Jharkhand	GVK					0	0		0	0
Jharkhand	TOTAL	51.108	58.458	109.566	51.065	60.209	111.274	55.088	58.006	113.094
Madhya Pradesh	NCL		50.223	50.223		53.931	53.931		53.918	53.918
Madhya Pradesh	WCL	0.319	6.050	6.369	0.330	5.980	6.310	0.249	5.305	5.554
Madhya Pradesh	SECL		14.232	14.232		15.182	15.182		14.118	14.118
Madhya Pradesh	BLA		0.299	0.299		0.300	0.300		0.300	0.300
Madhya Pradesh	SPL			0.000		0.225	0.225		1.695	1.695
Madhya Pradesh	MPSMCL			0.000			0.000		0.005	0.005
Madhya Pradesh	TOTAL	0.319	70.804	71.123	0.330	75.618	75.948	0.249	75.341	75.590
Maharashtra	WCL		36.741	36.741		35.977	35.977		34.175	34.175
Maharashtra	SIL		0.160	0.160		0.248	0.248		0.148	0.148
Maharashtra	BSIL		0.003	0.003		0.062	0.062		0.081	0.081
Maharashtra	KECML		2.189	2.189		2.506	2.506		2.502	2.502
Maharashtra	TUML		0.066	0.066		0.341	0.341		0.317	0.317
Maharashtra	TOTAL	0	39.159	39.159	0	39.134	39.134	0.000	37.223	37.223
Meghalaya	MEG		7.206	7.206		5.640	5.640		5.732	5.732
Orissa	MCL	103.119		103.119	107.895		107.895	110.439		110.439
Orissa	HIL		2.357	2.357		2.237	2.237		2.478	2.478
Orissa	TOTAL	105.476	105.476	105.476	110.132	110.132	110.132	112.917	112.917	112.917
Uttar Pradesh	NCL		16.178	16.178		16.090	16.090		14.721	14.721
West Bengal	ECL	0.010	16.298	16.308	0.010	17.568	17.578	0.010	18.866	18.876
West Bengal	BCCL	0.034	0	0.034	0.020	0.046	0.066	1.346	0.201	1.547
West Bengal	IISCOR		0.164	0.164		0.155	0.155		0.081	0.081
West Bengal	ICML		3.745	3.745		3.129	3.129		2.708	2.708
West Bengal	WBPDCCL		2.814	2.814		3.266	3.266		2.509	2.509
West Bengal	DVC EMTA		1.165	1.165		1.836	1.836		1.519	1.519
West Bengal	WBMDTCL					0.348	0.348		0.726	0.726
West Bengal	SOVA					0.089	0.089		0.276	0.276
West Bengal	TOTAL	0.044	24.186	24.230	0.030	26.437	26.467	1.356	26.886	28.242
Total Public		44.160	459.683	503.843	44.274	477.403	521.677	49.503	478.578	528.081
Total Private	TOTAL	7.500	28.607	36.107	7.308	27.417	34.725	7.315	30.370	37.685
All India		51.660	488.290	539.950	51.582	504.820	556.402	56.818	508.948	565.766

TABLE 2.12: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2013-14

(Quantity in Thousand Tonnes)											
Companies	COKING COAL GRADE										
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	SLV1	Met.Coal	Non Met	Total Coking
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ECL			0.010			0.038			0.010	0.038	0.048
BOCL	0.061	0.604		0.145	1.369	8.699	18.924	0.253	2.840	27.215	30.055
CCL					0.123	2.786	15.532		4.115	14.326	18.441
NCL										0.000	0.000
WCL					0.249				0.249	0.000	0.249
SECL			0.125							0.125	0.125
MCL										0.000	0.000
NEC										0.000	0.000
CIL	0.061	0.604	0.135	0.145	1.741	11.523	34.456	0.253	7.214	41.704	48.918
SOCL											0.000
JKML											0.000
JSMDC											0.000
DVC											0.000
DVCEMTA											0.000
IISCO						0.056	0.485		0.541	0.000	0.541
SAIL							0.044		0.044	0.000	0.044
APMDTCL											0.000
RRUMNL											0.000
WBMDTCL											0.000
WBPDCL											0.000
PSEB/PANEM											0.000
KEOML											0.000
MPSMCL											0.000
PUBLIC	0.061	0.604	0.135	0.145	1.741	11.579	34.985	0.253	7.799	41.704	49.503
TISCO					0.300	0.902	5.703	0.000	1.504	5.401	6.905
Meghalaya											0.000
IOML											0.000
JSPL											0.000
HIL											0.000
MIEL											0.000
BLA											0.000
CML											0.000
PIL											0.000
JNL											0.000
JPL											0.000
SIL											0.000
ESCL						0.325	0.085		0.410	0.000	0.410
UML											0.000
SEML											0.000
BSIL											0.000
TUML											0.000
SPL											0.000
SOVA											0.000
GVK											0.000
PRIVATE	0.000	0.000	0.000	0.000	0.300	1.227	5.788	0.000	1.914	5.401	7.315
GRAND TOTAL	0.061	0.604	0.135	0.145	2.041	12.806	40.773	0.253	9.713	47.105	56.818

TABLE 2.13: GRADEWISE PRODUCTION OF NON-COKING COAL BY COMPANIES IN 2013-14

(Mill (Quantity in Thousand Tonnes))

Companies	NON-COKING COAL GRADE																	UNG	Total N-coking	Total Coal
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)
ECL		0.056	1.393	13.131	4.698	0.914	1.465	0.199			14.143								35.999	36.047
BCCL		0.062	0.537	0.105	0.129	1.238	0.315	0.165			0.006								2.557	32.612
CCL				0.097	1.675	0	2	1.359	20.005	2.861	3.741								31.581	50.022
NCL					0.874	0.147	17.275	8.845		40.836				0.662					68.639	68.639
WCL				0.013	0.338	1.551	3.322	9.323	24.540	0.393									39.480	39.729
SECL			3.443	5.210	4.478	9.956	4.352	0.938		6.525	79.799	9.435							124.136	124.261
MCL					0.101		0.032	0.162	1.186	1.132	9.997	37.451	60.378						110.439	110.439
NEC	0.330	0.301		0.033															0.664	0.664
CIL	0.330	0.419	5.373	18.589	12.293	14.076	28.334	20.991	45.731	51.747	107.686	46.886	60.378	0.662	0.000	0.000	0.000	0.000	413.495	462.413
SCCL					0.731	0.017	5.881	1.333	9.068	1.907	15.618	0.001	11.797	0.236	2.442	0.613	0.331	0.494	50.469	50.469
JKML																	0.019		0.019	0.019
JSMDCI																			0.000	0.000
DVC				0.054															0.054	0.054
DVC/EMTA						0.456	1.063												1.519	1.519
IISCO				0.015	0.024						0.042								0.081	0.622
SAIL													0.025						0.025	0.069
APMDTCL																			0.000	0.000
RRUNIL											1.197								1.197	1.197
WBMDTCL				0.537	0.189														0.726	0.726
WBPDCI				0.035		2.572													2.607	2.607
PSEB/PANEM						2.058		2.939	0.882										5.879	5.879
KECIL								2.502											2.502	2.502
MPSMCL										0.005									0.005	0.005
PUBLIC	0.330	0.419	5.373	19.230	13.237	19.179	35.278	27.765	55.681	53.659	123.346	48.084	72.200	0.898	2.442	0.613	0.350	0.494	478.578	528.081
TISCO												0.067							0.067	6.972
Meghalaya	5.732																		5.732	5.732
ICML										0.347	2.258	0.103							2.708	2.708
JSPL											0.888			1.414			3.697		5.999	5.999
HIL													1.827	0.651					2.478	2.478
MIL							0.497					0.422							0.919	0.919
BLA						0.068	0.062	0.082		0.088									0.300	0.300
CML																			0.000	0.000
PIL									1.000										1.000	1.000
JNL									0.323			0.123							0.446	0.446
JPL												1.523		2.223		2.480			6.226	6.226
SIL								0.148											0.148	0.148
ESCL																	0.051		0.051	0.461
UML						0.762													0.762	0.762
SEML												0.162		0.784			0.219		1.165	1.165
BSIL													0.081						0.081	0.081
TUML											0.317								0.317	0.317
SPL										1.695									1.695	1.695
SOVA								0.196	0.080										0.276	0.276
GVK																			0.000	0.000
PRIVATE	5.732	0.000	0.000	0.000	0.000	0.830	0.559	0.426	1.403	2.130	2.575	3.288	1.908	3.658	1.414	2.480	3.967	0.000	30.370	37.685
GRAND TOTAL	6.062	0.419	5.373	19.230	13.237	20.009	35.837	28.191	57.084	55.789	125.921	51.372	74.108	4.556	3.856	3.093	4.317	0.494	508.948	565.766

TABLE 2.14: 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	OC Growth (%) (All India)	Production			UG Share (%) in All India Total	UG Growth (%) (All India)	Production	Growth (%)
	by CIL	by SCCL	All India			by CIL	by SCCL	All India				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2004-05	276.534	22.329	320.266	83.70	7.29	47.041	12.974	62.349	16.30	-0.64	382.615	5.92
2005-06	297.572	23.427	346.074	85.02	8.06	45.817	12.711	60.965	14.98	-2.22	407.039	6.38
2006-07	317.591	25.831	373.134	86.61	7.82	43.322	11.876	57.698	13.39	-5.36	430.832	5.85
2007-08	335.918	27.959	398.182	87.11	6.71	43.541	12.645	58.900	12.89	2.08	457.082	6.09
2008-09	359.771	32.459	433.785	88.03	8.94	43.959	12.087	58.972	11.97	0.12	492.757	7.80
2009-10	387.997	38.460	473.519	89.00	9.16	43.262	11.969	58.523	11.00	-0.76	532.042	7.97
2010-11	391.303	39.705	477.839	89.70	0.91	40.018	11.628	54.855	10.30	-6.27	532.694	0.12
2011-12	397.445	41.573	487.993	90.38	2.12	38.393	10.638	51.957	9.62	-5.28	539.950	1.36
2012-13	414.423	41.593	504.195	90.62	3.32	37.777	11.597	52.207	9.38	0.48	556.402	3.05
2013-14	426.300	39.921	516.117	91.22	2.36	36.113	10.548	49.649	8.78	-4.90	565.766	1.68

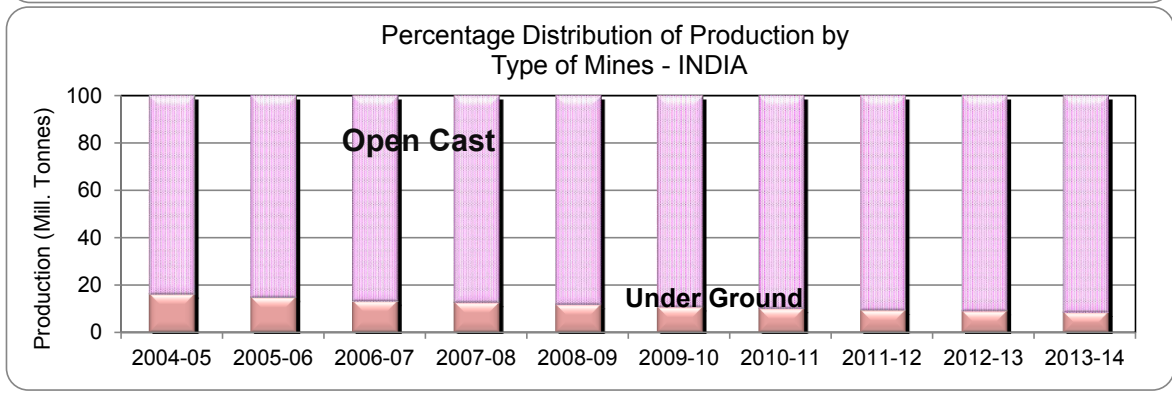
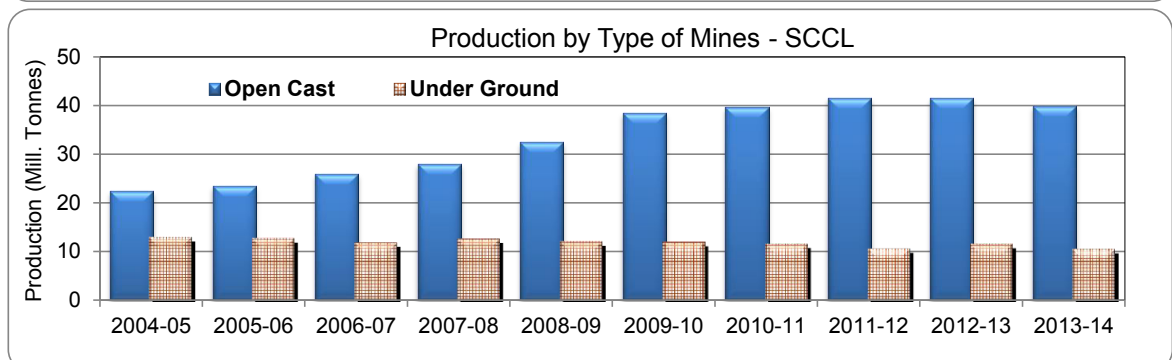
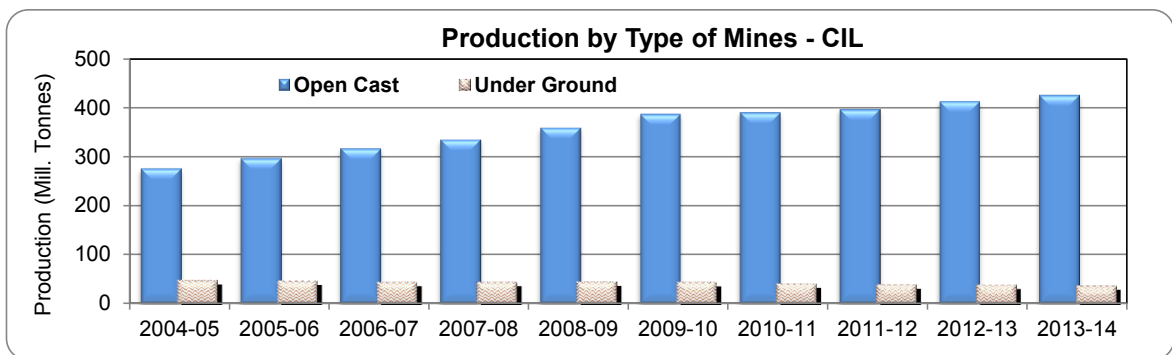


TABLE 2.15 : COMPANY WISE PRODUCTION OF RAW COAL FROM OPENCAST AND UNDER GROUND MINES IN TWO YEARS
(Quantity in Million Tonnes)

COMPANIES	Y E A R 2012 - 2013						Y E A R 2013 - 2014					
	OPENCAST			UNDER GROUND			OPENCAST			UNDER GROUND		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
ECL	27.052	79.80	14.02	6.849	20.20	0.23	29.176	80.94	7.85	6.871	19.06	0.32
BCCL	28.058	89.90	4.99	3.153	10.10	-9.45	29.908	91.71	6.59	2.704	8.29	-14.24
CCL	47.037	97.87	0.26	1.024	2.13	-6.06	49.066	98.09	4.31	0.956	1.91	-6.64
NCL	70.021	100.00	5.45				68.639	100.00	-1.97			
WCL	34.087	80.61	-1.82	8.200	19.39	-2.26	31.999	80.54	-6.13	7.730	19.46	-5.73
SECL	101.350	85.73	4.02	16.869	14.27	2.81	107.845	86.79	6.41	16.416	13.21	-2.69
MCL	106.216	98.44	5.23	1.679	1.56	-23.19	109.006	98.70	2.63	1.433	1.30	-14.65
NEC	0.602	99.50	0.67	0.003	0.50		0.661	99.55	9.80	0.003	0.45	
CIL	414.423	91.65	4.27	37.777	8.35	-1.60	426.300	92.19	2.87	36.113	7.81	-4.40
SCCL	41.593	78.20	0.05	11.597	21.80	9.01	39.921	79.10	-4.02	10.548	20.90	-9.05
JKML				0.019	100.00	-5.00				0.019	100.00	0.00
JSMDC												
DVC	0.203	100.00	-38.11				0.054	100.00	-73.40			
DVC EMTA	1.836	100.00	57.60				1.519	100.00	-17.27			
IISCO	0.604	84.48	28.78	0.111	15.52	-13.95	0.433	69.61	-28.31	0.189	30.39	70.27
SAIL	0.102	100.00	155.00				0.069	100.00	-32.35			
APMDTCL	0.073	100.00	-66.97									
WBMDTCL	0.348						0.726					
WBPDC	3.266	100.00	16.06				2.607	100.00	-20.18			
RRUVNL	0.293						1.197					
PSEB/PANEM	6.926	100.00	-16.56				5.879	100.00	-15.12			
KECML	2.506	100.00	14.48				2.502	100.00	-0.16			
MPSMCL							0.005	100.00				
PUBLIC	472.173	90.51	6.30	49.504	9.49	0.66	481.212	91.12	1.91	46.869	8.88	-5.32
TISCO	5.918	81.12	-0.95	1.377	18.88	-7.34	5.604	80.38	-5.31	1.368	19.62	-0.65
Meghalaya	5.640	100.00	-21.73				5.732	100.00	1.63			
ICML	3.129	100.00	-16.45				2.708	100.00	-13.45			
JSPL	5.999	100.00	0.02				5.999	100.00	0.00			
HIL	2.237	100.00	0.00				2.478	100.00	10.77			
MIL				0.795	100.00	-6.58				0.919	100.00	15.60
BLA	0.300	100.00	0.33				0.300	100.00	0.00			
CML	0			0			0					
PIL	1.000	100.00	0.00				1.000	100.00	0.00			
JNL	0.200	41.67	0.00	0.280	58.33	0.00	0.166	37.22	-17.00	0.280	62.78	0.00
JPL	5.250	100.00	0.00				6.226	100.00	18.59			
SIL		0.00		0.248	100.00	55.00		0.00		0.148	100.00	-40.32
UML	0.560	100.00	59.54				0.762	100.00	36.07			
ESCL	0.096	96.97	-9.43	0.003	0		0.396	85.90	312.50	0.065	0	
SEML	0.976	100.00	26.10				1.165	100.00	19.36			
BSIL	0.062	100.00	1966.67				0.081	100.00	30.65			
TUML	0.341	100.00	416.67				0.317	100.00	-7.04			
SPL	0.225	100.00					1.695	100.00				
SOVA	0.089	100.00					0.276	100.00				
GVK												
PRIVATE	32.022	92.22	-93.44	2.703	7.78	-94.80	34.905	92.62	9.00	2.780	7.38	2.85
INDIA	504.195	90.62	-45.94	52.207	9.38	-48.38	516.117	91.22	2.36	49.649	8.78	-4.90

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

TABLE 2.16: TRENDS OF OMS IN OC & UG MINES (CIL & SCCL) DURING LAST TEN YEARS

(Quantity in Million Tonnes)

Year	OMS (OPEN CAST)		OMS (UNDER GROUND)		OMS (OVERALL)	
	CIL	SCCL	CIL	SCCL	CIL	SCCL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	7.18	8.83	0.69	0.85	3.05	1.62
2005-06	7.51	9.60	0.71	0.89	3.26	1.74
2006-07	8.00	9.50	0.71	0.90	3.54	1.91
2007-08	8.60	10.76	0.73	1.02	3.79	2.10
2008-09	8.95	10.60	0.76	1.05	4.09	3.01
2009-10	9.48	10.71	0.78	1.08	4.48	3.36
2010-11	10.06	11.98	0.77	1.10	4.74	3.59
2011-12	10.40	13.26	0.75	1.10	4.92	3.94
2012-13	11.68	11.87	0.77	1.13	5.32	3.14
2013-14	12.31	11.10	0.76	1.12	5.65	3.86

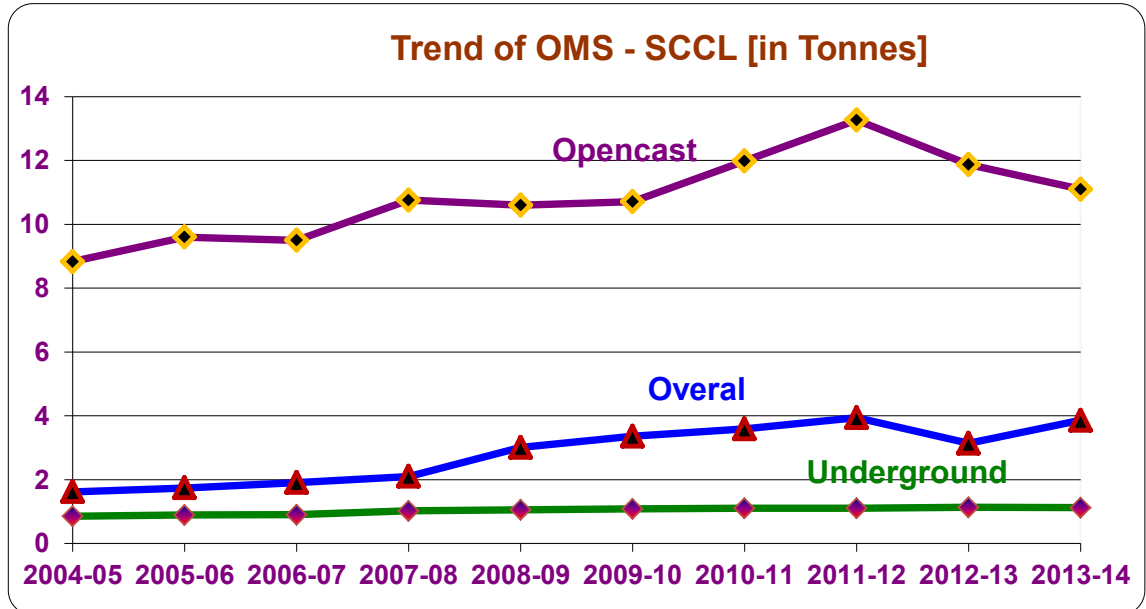
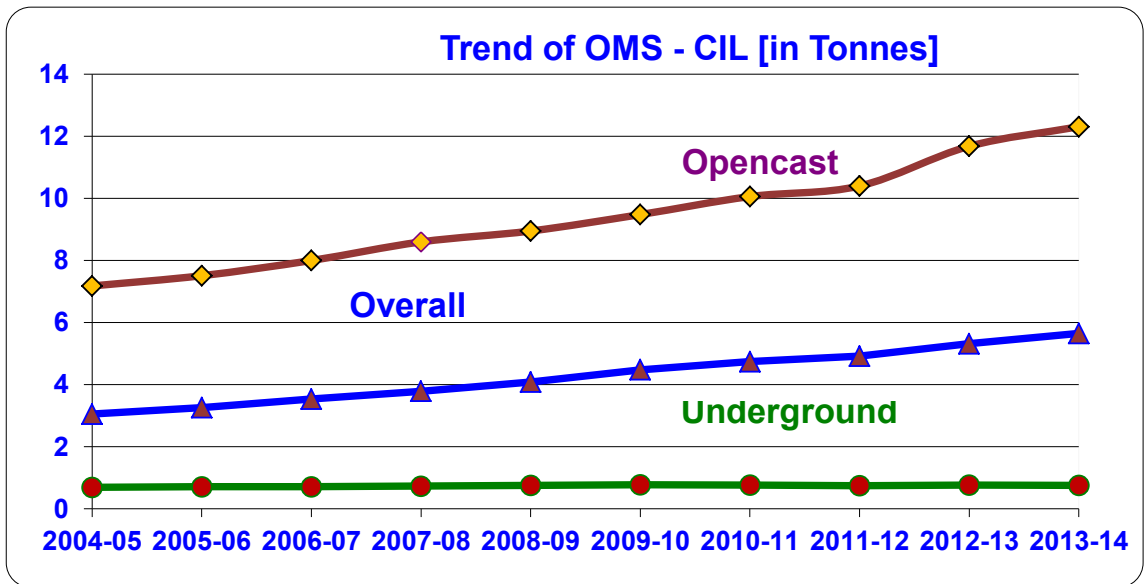


TABLE 2.17 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2011-2012			2012-2013			2013-2014		
		Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)	Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)	Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ECL	OC	23.725	2.746	8.64	27.052	2.660	10.17	29.176	2.662	10.96
BCCL	OC	26.725	4.067	6.57	28.058	3.376	8.31	29.908	3.190	9.38
CCL	OC	46.914	7.021	5.79	47.037	7.720	6.09	49.066	7.838	6.26
NCL	OC	66.401	4.900	13.55	70.021	4.351	13.65	68.639	4.450	13.78
WCL	OC	34.720	8.227	4.22	34.087	6.778	5.03	31.999	6.228	5.03
SECL	OC	97.429	5.698	19.32	101.350	5.263	19.26	107.845	5.028	21.45
MCL	OC	100.933	4.936	20.38	106.216	4.946	21.34	109.006	4.919	22.16
NEC	OC	0.598	0.310	3.79	0.602	0.341	1.76	0.661	0.315	2.10
CIL	OC	397.445	37.905	10.40	414.423	35.435	11.68	426.300	34.630	12.31
SCCL	OC	41.573	2.520	13.26	41.593	2.714	11.87	39.921	2.662	11.10
ECL	UG	6.833	15.454	0.44	6.849	14.780	0.46	6.871	14.304	0.48
BCCL	UG	3.482	9.672	0.36	3.153	9.073	0.35	2.704	8.702	0.31
CCL	UG	1.090	3.353	0.32	1.024	3.150	0.33	0.956	2.897	0.33
NCL	UG									
WCL	UG	8.390	7.769	1.08	8.200	7.472	1.10	7.730	7.200	1.07
SECL	UG	16.408	11.823	1.30	16.869	12.322	1.37	16.416	12.155	1.35
MCL	UG	2.186	1.758	1.24	1.679	1.726	0.97	1.433	1.698	0.84
NEC	UG	0.004	0.333	0.01	0.003	0.305	0.01	0.003	0.279	0.01
CIL	UG	38.393	50.162	0.75	37.777	48.828	0.77	36.113	47.235	0.76
SCCL	UG	10.638	9.407	1.10	11.597	9.831	1.13	10.548	9.110	1.12
ECL	ALL	30.558	18.200	1.68	33.901	17.440	1.94	36.047	16.966	2.12
BCCL	ALL	30.207	13.739	2.20	31.211	12.449	2.50	32.612	11.892	2.74
CCL	ALL	48.004	10.374	4.19	48.061	10.870	4.42	50.022	10.735	4.64
NCL	ALL	66.401	4.900	13.55	70.021	4.351	13.65	68.639	4.450	13.78
WCL	ALL	43.110	15.996	2.70	42.287	14.250	2.97	39.729	13.428	2.97
SECL	ALL	113.837	17.521	6.44	118.219	17.585	6.72	124.261	17.183	7.23
MCL	ALL	103.119	6.694	15.36	107.895	6.672	16.07	110.439	6.617	16.69
NEC	ALL	0.602	0.643	1.23	0.605	0.646	0.94	0.664	0.594	0.94
CIL	ALL	435.838	88.067	4.92	452.200	84.263	5.32	462.413	81.865	5.65
SCCL	ALL	52.211	11.927	3.94	53.190	12.545	3.14	50.469	11.772	3.86

N.B. : OMS = Output Man Shift [Production/Manshift)

TABLE 2.18 : COMPANYWISE OVER BURDEN REMOVAL AND STRIPPING RATIO IN REVENUE MINES IN LAST THREE YEARS
(OBR in Million Cubic Meter, Coal Production in Million Tonnes)

COMPANIES	YEAR 2011 - 2012			YEAR 2012 - 2013			YEAR 2013 - 2014		
	Over Burden Removal	Production (OC)	Stripping Ratio	Over Burden Removal	Production (OC)	Stripping Ratio	Over Burden Removal	Production (OC)	Stripping Ratio
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	60.306	23.725	2.54	76.448	27.052	2.83	85.757	29.176	2.94
BCCL	81.361	26.725	3.04	84.259	28.058	3.00	85.419	29.908	2.86
CCL	65.677	46.914	1.40	63.308	47.037	1.35	59.022	49.066	1.20
NCL	201.664	66.401	3.04	195.706	70.021	2.79	208.787	68.639	3.04
WCL	122.490	34.720	3.53	113.685	34.087	3.34	120.076	31.999	3.75
SECL	113.494	97.429	1.16	118.202	101.350	1.17	144.875	107.845	1.34
MCL	85.668	100.933	0.85	90.421	106.216	0.85	96.028	109.006	0.88
NEC	4.475	0.598	7.48	4.730	0.602	7.86	6.584	0.661	9.96
CIL	735.135	397.445	1.85	746.759	414.423	1.80	806.548	426.300	1.89
SCCL	211.325	41.573	5.08	175.841	41.593	4.23	170.298	39.921	4.27
JKML									
DVC	0.890	0.328	2.71	0.058	0.203	0.29	0.015	0.054	0.28
IISCO	4.025	0.469	8.58	2.988	0.604	4.95	1.540	0.433	3.56
SAIL	0.201	0.040	5.03	0.204	0.102	2.00	0.079	0.069	1.14
JSMDCL	0.153	0.118	1.30						
DVC EMTA	5.211	1.165	4.47	6.564	1.836	3.58	6.316	1.519	4.16
APMDTCL	2.181	0.221	9.87	2.181	0.073	29.88			
RRUVNL		0		3.908	0.293	13.34	4.924	1.197	4.11
WBMDTCL		0		2.921	0.348	8.39	2.879	0.726	3.97
WBPDCCL	10.871	2.814	3.86	14.325	3.266	4.39	13.322	2.607	5.11
PSEB/PANEM	13.320	8.301	1.60	13.420	6.926	1.94	21.877	5.879	3.72
KECML	5.543	2.189	2.53	8.575	2.506	3.42	8.716	2.502	3.48
MPSMCL							1.746	0.005	349.20
PUBLIC	988.855	441.575	2.24	977.744	472.173	2.07	1038.260	481.212	2.16
TISCO	26.597	5.975	4.45	25.795	5.918	4.36	22.525	5.604	4.02
Meghalaya		7.206			5.640	0.00		5.732	0.00
ICML	10.511	3.745	2.81	9.117	3.129	2.91	8.172	2.708	3.02
JSPL	9.072	5.998	1.51	7.996	5.999	1.33	8.778	5.999	1.46
HIL	0.764	2.357	0.32	1.712	2.237	0.77	2.168	2.478	0.87
MIL									
BLA	2.612	0.299	8.74	1.621	0.300	5.40	1.440	0.300	4.80
CML								0.000	
PIL	5.000	1.000	5.00	8.075	1.000	8.08	7.994	1.000	7.99
JNL	0.756	0.200	3.78	0.520	0.200	2.60	0.861	0.166	5.19
JPL	12.865	5.250	2.45	11.943	5.250	2.27	12.347	6.226	1.98
SIL								0.000	
UML	3.996	0.351	11.38	5.061	0.560	9.04	8.256	0.762	10.83
ESCL	3.996	0.106	37.70	2.587	0.096	26.95	2.728	0.396	6.89
SEML	2.303	0.774	2.98	2.295	0.976	2.35	2.138	1.165	1.84
BSIL	0.024	0.003	8.00	0.488	0.062	7.87	0.488	0.081	6.02
TUML	0.127	0.066	1.92	1.367	0.341	4.01	0.916	0.317	2.89
SPL				2.119	0.225	9.42	4.333	1.695	2.56
SOVA				0.434	0.089	4.88	1.148	0.276	4.16
GVK									
PRIVATE	78.623	33.330	3.01	81.130	32.022	3.08	84.292	34.905	2.89
INDIA	1067.478	474.905	2.28	1058.874	504.195	2.12	1122.552	516.117	2.20

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)
2004-05	378.658	5.77	30.087	5.62	408.745	5.76
2005-06	395.587	4.47	30.339	0.84	425.926	4.20
2006-07	419.800	6.12	30.797	1.51	450.597	5.79
2007-08	453.567	8.04	34.657	12.53	488.224	8.35
2008-09	489.172	7.85	31.793	-8.26	520.965	6.71
2009-10	513.792	5.03	34.430	8.29	548.222	5.23
2010-11	523.465	1.88	37.685	9.45	561.150	2.36
2011-12	535.299	2.26	41.883	11.14	577.182	2.86
2012-13	567.136	5.95	46.313	10.58	613.449	6.28
2013-14	571.251	0.73	43.897	-5.22	615.148	0.28

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)
2004-05	17.559	5.50	30.748	-0.47	347.910	6.36	378.658	5.77
2005-06	16.495	-6.06	30.537	-0.69	365.050	4.93	395.587	4.47
2006-07	16.334	-0.98	31.927	4.55	387.873	6.25	419.800	6.12
2007-08	16.438	0.64	33.543	5.06	420.024	8.29	453.567	8.04
2008-09	15.061	-8.38	35.724	6.50	453.448	7.96	489.172	7.85
2009-10	15.173	0.74	42.469	18.88	471.323	3.94	513.792	5.03
2010-11	16.075	5.94	48.950	15.26	474.515	0.68	523.465	1.88
2011-12	15.903	-1.07	51.723	5.66	483.576	1.91	535.299	2.26
2012-13	14.799	-6.94	55.859	8.00	511.277	5.73	567.136	5.95
2013-14	8.062	-45.52	58.302	4.37	512.949	0.33	571.251	0.73

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)
2004-05	8.639	4.98	10.675	22.98	5.259	7.15	1.803	75.39	12.251	-5.13
2005-06	8.347	-3.38	12.322	15.43	5.349	1.71	1.882	4.38	13.030	6.36
2006-07	7.104	-14.89	12.633	2.52	5.758	7.65	2.244	19.23	12.739	-2.23
2007-08	7.206	1.44	12.821	1.49	6.536	13.51	2.466	9.89	12.774	0.27
2008-09	7.226	0.28	13.445	4.87	5.361	-17.98	4.018	62.94	12.465	-2.42
2009-10	6.518	-9.80	13.981	3.99	4.711	-12.12	3.726	-7.27	12.361	-0.83
2010-11	6.854	5.15	14.537	3.98	4.504	-4.39	3.790	1.72	12.546	1.50
2011-12	6.532	-4.70	15.751	8.35	3.802	-15.59	3.545	-6.46	12.340	-1.64
2012-13	6.614	1.26	14.237	-9.61	5.403	42.11	5.184	46.23	12.429	0.72
2013-14	6.667	0.80	15.454	8.55	4.679	-13.40	4.139	-20.16	12.707	2.24

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.

TABLE 3.4: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL, LIGNITE AND COAL PRODUCTS IN 2013-14
(Quantity in Million Tonnes)

Month	Coking Coal			Non Coking Coal			Raw Coal			Lignite		
	Desp.	Growth*	Share**	Desp.	Growth*	Share**	Desp.	Growth*	Share**	Desp.	Growth*	Share**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Apr-13	4.665	-4.4	8.00	43.623	3.8	8.50	48.288	3.0	8.45	4.301	-2.7	9.80
May-13	4.869	4.1	8.35	42.267	-2.3	8.24	47.136	-1.7	8.25	4.456	10.7	10.15
Jun-13	4.703	4.3	8.07	40.916	1.9	7.98	45.619	2.2	7.99	3.618	-4.4	8.24
1st Quarter	14.237	1.2	24.42	126.806	1.1	24.72	141.043	1.1	24.69	12.375	1.2	28.19
Jul-13	5.141	16.2	8.82	40.391	2.6	7.87	45.532	4.0	7.97	3.206	-13.3	7.30
Aug-13	4.699	6.0	8.06	37.284	3.7	7.27	41.983	3.9	7.35	2.923	-16.0	6.66
Sep-13	4.552	9.4	7.81	38.715	8.2	7.55	43.267	8.4	7.57	3.141	-1.3	7.16
2nd Quarter	14.392	10.6	24.69	116.390	4.8	22.69	130.782	5.4	22.89	9.270	-10.5	21.12
Oct-13	4.151	-8.1	7.12	38.953	-9.5	7.59	43.104	-9.4	7.55	2.999	-10.0	6.83
Nov-13	4.668	2.8	8.01	42.259	-0.1	8.24	46.927	0.2	8.21	2.874	-15.2	6.55
Dec-13	5.075	1.3	8.70	46.898	1.1	9.14	51.973	1.1	9.10	3.733	-9.1	8.50
3rd Quarter	13.894	-1.3	23.83	128.110	-2.7	24.98	142.004	-2.6	24.86	9.606	-11.3	21.88
Jan-14	5.359	7.6	9.19	48.372	-0.3	9.43	53.731	0.4	9.41	4.438	3.9	10.11
Feb-14	4.883	9.7	8.38	44.435	1.5	8.66	49.318	2.2	8.63	3.849	-4.3	8.77
Mar-14	5.537	5.0	9.50	48.836	-3.7	9.52	54.373	-2.9	9.52	4.359	-5.3	9.93
4th Quarter	15.779	7.3	27.06	141.643	-1.0	27.61	157.422	-0.2	27.56	12.646	-2.0	28.81
Yr. 2013-14	58.302	4.4	100.00	512.949	0.3	100.00	571.251	0.7	100.00	43.897	-5.2	100.00

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 2013-14
(Quantity in Million Tonnes)

Month	Washed Coal (Ckg)			Washed Coal (Nckg)			Middlings (Ckg)			Middlings (Nckg)			Hard Coke		
	Desp.	Growth*	Share**	Desp.	Growth*	Share**	Desp.	Growth*	Share**	Desp.	Growth*	Share**	Desp.	Growth*	Share**
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
Apr-13	0.585	2.5	8.77	1.294	17.7	8.37	0.438	1.4	9.36	0.340	0.3	8.21	0.990	-2.8	7.79
May-13	0.574	2.1	8.61	1.538	49.0	9.95	0.409	-13.3	8.74	0.382	2.4	9.23	1.048	0.4	8.25
Jun-13	0.547	-1.4	8.20	1.496	48.1	9.68	0.407	1.0	8.70	0.334	-40.0	8.07	1.034	1.9	8.14
1st Quarter	1.706	1.1	25.59	4.328	37.8	28.01	1.254	-4.1	26.80	1.056	-16.8	25.51	3.072	-0.2	24.18
Jul-13	0.567	13.4	8.50	1.504	34.8	9.73	0.444	4.7	9.49	0.268	-49.0	6.47	1.091	4.2	8.59
Aug-13	0.528	2.7	7.92	1.259	21.9	8.15	0.339	-23.8	7.25	0.281	-22.6	6.79	1.122	5.2	8.83
Sep-13	0.595	18.5	8.92	1.065	-2.6	6.89	0.364	-17.5	7.78	0.284	-29.4	6.86	1.091	5.8	8.59
2nd Quarter	1.690	11.5	25.35	3.828	18.1	24.77	1.147	-12.4	24.51	0.833	-35.4	20.13	3.304	5.1	26.00
Oct-13	0.552	3.2	8.28	1.189	-9.8	7.69	0.350	-24.9	7.48	0.406	-12.5	9.81	1.047	-0.8	8.24
Nov-13	0.520	-1.9	7.80	1.211	-6.2	7.84	0.367	-14.3	7.84	0.493	15.5	11.91	1.056	1.9	8.31
Dec-13	0.568	-3.7	8.52	1.360	3.8	8.80	0.407	-19.7	8.70	0.313	-32.4	7.56	1.078	5.0	8.48
3rd Quarter	1.640	-0.9	24.60	3.760	-4.1	24.33	1.124	-19.8	24.02	1.212	-10.5	29.28	3.181	2.0	25.03
Jan-14	0.563	-3.1	8.44	1.339	1.4	8.66	0.416	-11.5	8.89	0.316	-26.0	7.63	1.089	2.4	8.57
Feb-14	0.521	-6.0	7.81	1.152	-11.0	7.45	0.350	-18.2	7.48	0.300	-31.8	7.25	0.966	0.7	7.60
Mar-14	0.547	-11.8	8.20	1.047	-20.6	6.77	0.388	-20.3	8.29	0.422	4.5	10.20	1.095	2.7	8.62
4th Quarter	1.631	-7.1	24.46	3.538	-10.1	22.89	1.154	-16.7	24.66	1.038	-18.3	25.08	3.150	2.0	24.79
Yr. 2013-14	6.667	0.8	100.00	15.454	8.5	100.00	4.679	-13.4	100.00	4.139	-20.2	100.00	12.707	2.2	100.00

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

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

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

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

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

(Million Tonnes)

Year	State: Andhra Pradesh			State: Assam			State: Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2004-05	34.707	9.17	2.60	0.568	0.15	-34.71	70.153	18.53	13.30
2005-06	35.321	8.93	1.77	1.170	0.30	105.99	74.997	18.96	6.90
2006-07	37.487	8.93	6.13	1.182	0.28	1.03	80.526	19.18	7.37
2007-08	41.793	9.21	11.49	1.200	0.26	1.52	90.792	20.02	12.75
2008-09	44.410	9.08	6.26	0.835	0.17	-30.42	103.022	21.06	13.47
2009-10	49.266	9.59	10.93	1.071	0.21	28.26	106.921	20.81	3.78
2010-11	50.046	9.53	1.58	1.102	0.21	2.89	109.562	20.86	2.47
2011-12	51.389	9.60	2.68	0.800	0.15	-27.40	114.610	21.41	4.61
2012-13	52.025	9.17	1.24	0.618	0.11	-22.75	121.058	21.35	5.63
2013-14	47.892	8.38	-7.94	0.577	0.10	-6.63	124.028	21.71	2.45

Year	State: Jammu & Kashmir			State: Jharkhand			State: Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2004-05	0.027	0.01	-12.90	76.605	20.23	-2.89	51.686	13.65	5.68
2005-06	0.020	0.01	-25.93	79.669	20.14	4.00	54.949	13.89	6.31
2006-07	0.014	0.00	-30.00	84.292	20.08	5.80	59.996	14.29	9.18
2007-08	0.016	0.00	14.29	88.898	19.60	5.46	68.344	15.07	13.91
2008-09	0.012	0.00	-25.00	95.414	19.51	7.33	72.042	14.73	5.41
2009-10	0.017	0.00	41.67	99.863	19.44	4.66	73.481	14.30	2.00
2010-11	0.025	0.00	47.06	106.637	20.30	6.78	69.443	13.22	-5.50
2011-12	0.023	0.00	-8.00	109.792	20.51	2.96	69.560	12.99	0.17
2012-13	0.014	0.00	-39.13	119.276	21.03	8.64	60.411	10.65	-13.15
2013-14	0.013	0.00	-7.14	116.635	20.42	-2.21	63.096	11.05	4.44

Year	State: Maharashtra			State: Meghalaya			State: Orissa		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2004-05	33.523	8.85	2.89	5.345	1.41	-1.76	66.781	17.64	12.34
2005-06	34.792	8.80	3.79	5.566	1.41	3.97	69.136	17.48	3.53
2006-07	35.508	8.46	2.06	5.787	1.38	3.82	77.585	18.48	12.22
2007-08	37.389	8.24	5.30	6.541	1.44	11.53	85.147	18.77	9.75
2008-09	39.238	8.02	4.95	5.489	1.12	-19.17	93.316	19.08	9.59
2009-10	40.743	7.93	3.84	5.767	1.12	4.82	100.591	19.58	7.80
2010-11	38.240	7.28	-6.14	6.974	1.33	17.31	104.359	19.87	3.75
2011-12	38.108	7.12	-0.35	7.206	1.35	3.22	104.819	19.58	0.44
2012-13	38.316	6.76	0.55	5.640	0.99	-27.77	114.213	20.14	8.96
2013-14	37.205	6.51	-2.90	5.732	1.00	1.61	116.795	20.45	2.26

Contd....

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

Year	State: Uttar Pradesh			State: West Bengal			State : Arunachal Pradesh		
	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2004-05	17.019	4.49	9.59	22.244	5.87	8.20			
2005-06	15.853	4.01	-6.85	24.114	6.10	8.41			
2006-07	12.393	2.95	-21.83	25.030	5.96	3.80			
2007-08	11.216	2.47	-9.50	22.155	4.88	-11.49	0.076	0.02	0.00
2008-09	12.448	2.54	10.98	22.817	4.66	2.99	0.129	0.03	69.74
2009-10	13.587	2.64	9.15	22.259	4.33	-2.45	0.226	0.04	75.19
2010-11	15.393	2.93	13.29	23.203	4.42	4.24	0.245	0.05	8.41
2011-12	15.467	2.89	0.48	23.203	4.33	0.00	0.322	0.06	31.43
2012-13	28.824	5.08	86.36	26.686	4.71	15.01	0.055	0.01	-82.92
2013-14	30.807	5.39	6.88	28.471	4.98	6.69	0	0.00	0.00

Year	All India	
	Quantity	Growth(%)
(41)	(42)	(43)
2004-05	378.658	5.77
2005-06	395.587	4.47
2006-07	419.800	6.12
2007-08	453.567	8.04
2008-09	489.172	7.85
2009-10	513.792	5.03
2010-11	525.229	2.23
2011-12	535.299	1.92
2012-13	567.136	5.95
2013-14	571.251	0.73

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

(Million Tonnes)

Year	State: Tamilnadu			State: Gujarat		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	21.237	70.59	0.57	8.302	27.59	24.06
2005-06	20.551	67.74	-3.23	9.111	30.03	9.74
2006-07	20.511	66.60	-0.19	9.819	31.88	7.77
2007-08	22.259	64.23	8.52	11.792	34.02	20.09
2008-09	20.748	65.26	-6.79	10.046	31.60	-14.81
2009-10	22.812	66.26	9.95	10.411	30.24	3.63
2010-11	23.081	61.25	1.18	13.079	34.71	25.63
2011-12	24.472	58.43	6.03	14.448	34.50	10.47
2012-13	25.691	55.47	4.98	14.670	31.68	1.54
2013-14	24.438	55.67	-4.88	11.837	26.97	-19.31

Year	State: Rajasthan			ALL INDIA	
	Quantity	Share (%)	Growth (%)	Quantity	Growth (%)
(8)	(9)	(10)	(11)	(12)	(13)
2004-05	0.548	1.82	-19.17	30.087	5.62
2005-06	0.677	2.23	23.54	30.339	0.84
2006-07	0.467	1.52	-31.02	30.797	1.51
2007-08	0.606	1.75	29.76	34.657	12.53
2008-09	0.999	3.14	64.85	31.793	-8.26
2009-10	1.207	3.51	20.82	34.430	8.29
2010-11	1.525	4.05	26.35	37.685	9.45
2011-12	2.963	7.07	94.30	41.883	11.14
2012-13	5.951	12.85	100.84	46.312	10.57
2013-14	7.622	17.36	28.08	43.897	-5.21

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

Company	2011-12			2012-13			2013-14		
	Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(8)	(9)	(10)	(8)	(9)	(10)	(8)	(9)	(10)
ECL	0.099	30.392	30.491	0.043	35.501	35.544	0.045	35.929	35.974
BCCL	27.132	2.938	30.070	28.970	4.027	32.997	31.496	2.562	34.058
CCL	15.701	32.332	48.033	18.479	34.407	52.886	18.678	33.441	52.119
NCL	0	63.605	63.605	0.000	67.021	67.021	0.000	71.892	71.892
WCL	0.310	41.649	41.959	0.317	41.222	41.539	0.268	39.671	39.939
SECL	0.189	114.950	115.139	0.155	121.818	121.973	0.123	121.890	122.013
MCL		102.521	102.521		111.959	111.959		114.342	114.342
NEC		0.800	0.800		0.618	0.618		0.577	0.577
CIL	43.431	389.187	432.618	47.964	416.573	464.537	50.610	420.304	470.914
SCCL		51.389	51.389		52.025	52.025		47.892	47.892
JKML		0.023	0.023		0.014	0.014		0.013	0.013
JSMDC		0.118	0.118			0.000			0.000
DVC	0.410	0	0.410		0.226	0.226		0.045	0.045
DVC EMTA		1.169	1.169		1.844	1.844		1.523	1.523
IISCO	0.434	0.164	0.598	0.560	0.156	0.716	0.541	0.081	0.622
SAIL	0.040		0.040	0.033	0.064	0.097	0.044	0.031	0.075
APMDTCL		0.322	0.322		0.055	0.055			0.000
WBPDC		2.794	2.794		3.256	3.256		2.610	2.610
WBMDTCL			0.000		0.265	0.265		0.734	0.734
PSEB/PANEM		8.278	8.278		6.872	6.872		5.852	5.852
RRUVNL			0.000		0.293	0.293		1.197	1.197
KECML		2.205	2.205		2.515	2.515		2.472	2.472
MPSMCL			0.000			0.000			0.000
Total Public	44.315	455.649	499.964	48.557	484.158	532.715	51.195	482.754	533.949
TISCO	7.371	0.067	7.438	7.233	0.081	7.314	6.902	0.067	6.969
Meghalaya		7.206	7.206		5.640	5.640		5.732	5.732
ICML		3.168	3.168		3.221	3.221		3.278	3.278
JSPL		5.993	5.993		5.999	5.999		5.999	5.999
HIL		2.298	2.298		2.254	2.254		2.453	2.453
MIEL		0.846	0.846		0.798	0.798		0.905	0.905
BLA		0.299	0.299		0.300	0.300		0.300	0.300
CML			0			0			0
PIL		1.000	1.000		1.000	1.000		1.000	1.000
JNL		0.457	0.457		0.479	0.479		0.394	0.394
JPL		5.249	5.249		5.088	5.088		5.577	5.577
SIL		0.164	0.164		0.244	0.244		0.159	0.159
ESCL	0.037	0	0.037	0.069	0.005	0.074	0.205	0.004	0.209
UML		0.351	0.351		0.564	0.564		0.759	0.759
SEML		0.784	0.784		0.893	0.893		1.117	1.117
BSIL		0.006	0.006		0.019	0.019		0.027	0.027
TUML		0.039	0.039		0.367	0.367		0.300	0.300
SPL					0.081	0.081		1.845	1.845
SOVA					0.086	0.086		0.279	0.279
GVK					0.000	0.000		0.000	0.000
Total Private	7.408	27.927	35.335	7.302	27.119	34.421	7.107	30.195	37.302
ALL INDIA	51.723	483.576	535.299	55.859	511.277	567.136	58.302	512.949	571.251
LIGNITE :									
NLC			24.472			25.691			25.991
GMDCL			11.343			10.905			8.398
GIPCL			2.716			3.482			3.249
RSMML			2.120			1.387			1.428
GHCL			0.389			0.283			0.190
VSLPPL			0.843			0.815			0.839
BLMCL						3.750			3.802
ALL INDIA			41.883			46.313			43.897
COAL & LIGNITE			577.182			613.449			615.148

TABLE 3.9 : CAPTIVE BLOCK WISE DESPATCH OF RAW COAL DURING 2013-14

(Quantity in Million Tonnes)

Block	Company	State	Coking Coal	Non Coking Coal	Total Coal
Tasra	SAIL/IISCO	Jharkhand	0.044	0.031	0.075
Barjora North	DVCEMTA	West Bengal		1.523	1.523
Namchik Namphuk	APMDTCL	Arunachal Pradesh			
Parsa E & Kanta Basan	RRUVNL	Chhattisgarh		1.197	1.197
Trans Damodar	WBMDTCL	West Bengal		0.734	0.734
Tara East & West	WBPDCCL	West Bengal		2.307	2.307
Barjore	WBPDCCL	West Bengal		0.043	0.043
Gangaramchak & Bhadulia	WBPDCCL	West Bengal		0.178	0.178
Panchwara North	WBPDCCL	Jharkhand		0.082	0.082
Pachwara Central	PSEB	Jharkhand		5.852	5.852
Baranj I-IV, Kiloni, Manora Dahanu	KPCL	Maharashtra		2.472	2.472
Amelia North	MPSMCL	Madhya Pradesh			
Total Public			0.044	14.419	14.463
Ardhagram	SOVA	West Bengal		0.279	0.279
Belgaon	SIL	Maharashtra		0.159	0.159
Chotia	PIL	Chhattisgarh		1.000	1.000
Gare Palma IV/1	JSPL	Chhattisgarh		5.999	5.999
Gare Palma IV/2&3	JPL	Chhattisgarh		5.577	5.577
Gare Palma IV/4	JNL	Chhattisgarh		0.394	0.394
Gare Palma IV/5	MIEL	Chhattisgarh		0.905	0.905
Gare Palma IV/7	SEML	Chhattisgarh		1.117	1.117
Gotitoria E&W	BLA	Madhya Pradesh		0.300	0.300
Kathautia	UML	Jharkhand		0.759	0.759
Marki Mangli I	BSIL	Maharashtra		0.027	0.027
Marki Mangli II-III	TUML	Maharashtra		0.300	0.300
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		1.845	1.845
Parbatpur Central	ESCL	Jharkhand	0.205	0.004	0.209
Sarshatali	ICML	West Bengal		3.278	3.278
Talabira I	HIL	Orissa		2.453	2.453
Total Private			0.205	24.396	24.601
Grand Total			0.249	38.815	39.064

TABLE 3.10: STATEWISE AND COMPANYWISE DESPATCHES OF RAW COAL BY TYPE IN LAST THREE YEARS
(Quantity in Million Tonnes)

States	Company	2011-12			2012-13			2013-14		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(6)	(7)	(8)	(9)	(10)	(11)	(9)	(10)	(11)
Andhra Pradesh	SCCL		51.389	51.389		52.025	52.025		47.892	47.892
Arunachal Pradesh	APMDTCL		0.322	0.322		0.055	0.055			0.000
Assam	NEC		0.800	0.800		0.618	0.618		0.577	0.577
Chhattisgarh	SECL	0.189	100.092	100.281	0.155	106.353	106.508	0.123	107.716	107.839
Chhattisgarh	JSPL		5.993	5.993		5.999	5.999		5.999	5.999
Chhattisgarh	MIEL		0.846	0.846		0.798	0.798		0.905	0.905
Chhattisgarh	PIL		1.000	1.000		1.000	1.000		1.000	1.000
Chhattisgarh	JPL		5.249	5.249		5.088	5.088		5.577	5.577
Chhattisgarh	JNL		0.457	0.457		0.479	0.479		0.394	0.394
Chhattisgarh	SEML		0.784	0.784		0.893	0.893		1.117	1.117
Chhattisgarh	CML			0			0		0	0
Chhattisgarh	RRUVNL					0.293	0.293		1.197	1.197
Chhattisgarh	TOTAL	0.189	114.421	114.610	0.155	120.903	121.058	0.123	123.905	124.028
Jammu & Kashmir	JKML		0.023	0.023		0.014	0.014		0.013	0.013
Jharkhand	ECL	0.084	14.531	14.615	0.032	17.672	17.704	0.038	17.301	17.339
Jharkhand	BCCL	27.100	2.938	30.038	28.954	4.025	32.979	30.257	2.388	32.645
Jharkhand	CCL	15.701	32.332	48.033	18.479	34.407	52.886	18.678	33.441	52.119
Jharkhand	JSMDCL		0.118	0.118			0			0
Jharkhand	DVC	0.410		0.410		0.226	0.226		0.045	0.045
Jharkhand	IISCOJ	0.434		0.434	0.560		0.560	0.541		0.541
Jharkhand	WBPDCCL								0.082	0.082
Jharkhand	TISCO	7.371	0.067	7.438	7.233	0.081	7.314	6.902	0.067	6.969
Jharkhand	CML			0			0			0
Jharkhand	PSEB/PANEM		8.278	8.278		6.872	6.872		5.852	5.852
Jharkhand	UML		0.351	0.351		0.564	0.564		0.759	0.759
Jharkhand	ESCL	0.037		0.037	0.069	0.005	0.074	0.205	0.004	0.209
Jharkhand	SAIL	0.040		0.040	0.033	0.064	0.097	0.044	0.031	0.075
Jharkhand	GVK						0.000			0.000
Jharkhand	TOTAL	51.177	58.615	109.792	55.360	63.916	119.276	56.665	59.970	116.635
Madhya Pradesh	NCL		48.138	48.138		38.197	38.197		41.085	41.085
Madhya Pradesh	WCL	0.310	5.955	6.265	0.317	6.051	6.368	0.268	5.424	5.692
Madhya Pradesh	SECL		14.858	14.858		15.465	15.465		14.174	14.174
Madhya Pradesh	BLA		0.299	0.299		0.300	0.300		0.300	0.300
Madhya Pradesh	SPL					0.081	0.081		1.845	1.845
Madhya Pradesh	MPSMCL									0.000
Madhya Pradesh	TOTAL	0.310	69.250	69.560	0.317	60.094	60.411	0.268	62.828	63.096
Maharashtra	WCL		35.694	35.694		35.171	35.171		34.247	34.247
Maharashtra	SIL		0.164	0.164		0.244	0.244		0.159	0.159
Maharashtra	BSIL		0.006	0.006		0.019	0.019		0.027	0.027
Maharashtra	KECML		2.205	2.205		2.515	2.515		2.472	2.472
Maharashtra	TUML		0.039	0.039		0.367	0.367		0.300	0.300
Maharashtra	TOTAL	0.000	38.108	38.108	0.000	38.316	38.316	0.000	37.205	37.205
Meghalaya	MEGHALAYA		7.206	7.206		5.640	5.640		5.732	5.732
Orissa	MCL		102.521	102.521		111.959	111.959		114.342	114.342
Orissa	HIL		2.298	2.298		2.254	2.254		2.453	2.453
Orissa	TOTAL		104.819	104.819		114.213	114.213		116.795	116.795
Uttar Pradesh	NCL		15.467	15.467		28.824	28.824		30.807	30.807
West Bengal	ECL	0.015	15.861	15.876	0.011	17.829	17.840	0.007	18.628	18.635
West Bengal	BCCL	0.032		0.032	0.016	0.002	0.018	1.239	0.174	1.413
West Bengal	IISCOR		0.164	0.164		0.156	0.156		0.081	0.081
West Bengal	ICML		3.168	3.168		3.221	3.221		3.278	3.278
West Bengal	WBPDCCL		2.794	2.794		3.256	3.256		2.528	2.528
West Bengal	DVC EMTA		1.169	1.169		1.844	1.844		1.523	1.523
West Bengal	WBMDTCL					0.265	0.265		0.734	0.734
West Bengal	SOVA					0.086	0.086		0.279	0.279
West Bengal	TOTAL	0.047	23.156	23.203	0.027	26.659	26.686	1.246	27.225	28.471
Total Public		44.315	455.649	499.964	48.557	484.158	532.715	51.195	482.754	533.949
Total Private		7.408	27.927	35.335	7.302	27.119	34.421	7.107	30.195	37.302
All India		51.723	483.576	535.299	55.859	511.277	567.136	58.302	512.949	571.251

TABLE 3.11: GRADEWISE DESPATCH OF COKING COAL BY COMPANIES IN 2013-14

(Quantity in Million Tonnes)

Companies	COKING COAL GRADE										
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	SLV1	Met Coal	Non Met	Total Coking
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ECL			0.007			0.038			0.007	0.038	0.045
BCCL	0.070	0.898		0.190	1.311	9.230	19.688	0.109	2.978	28.518	31.496
CCL					0.077	2.846	15.755		2.555	16.123	18.678
NCL											0.000
WCL					0.268				0.229	0.039	0.268
SECL			0.123							0.123	0.123
MCL											0.000
NEC											0.000
CIL	0.070	0.898	0.130	0.190	1.656	12.114	35.443	0.109	5.769	44.841	50.610
SCCL											0.000
JKML											0.000
JSMDCL											0.000
DVC											0.000
DVC EMTA											0.000
IISCO						0.056	0.485		0.541	0.000	0.541
SAIL							0.044		0.044	0.000	0.044
APMDTCL											0.000
RRUVNL											0.000
WBMDTCL											0.000
WBPDC											0.000
PSEB/PANEM											0.000
KECML											0.000
MPSMCL											0.000
PUBLIC	0.070	0.898	0.130	0.190	1.656	12.170	35.972	0.109	6.354	44.841	51.195
TISCO					0.299	0.903	5.700		1.503	5.399	6.902
MEG											0.000
ICML											0.000
JSPL											0.000
HIL											0.000
MIEL											0.000
BLA											0.000
CML											0.000
PIL											0.000
JNL											0.000
JPL											0.000
SIL											0.000
ESCL			0.112				0.093		0.205	0.000	0.205
UML											0.000
SEML											0.000
BSIL											0.000
TUML											0.000
SPL											0.000
SOVA											0.000
GVK											0.000
PRIVATE	0.000	0.000	0.112	0.000	0.299	0.903	5.793	0.000	1.708	5.399	7.107
GRAND TOTAL	0.070	0.898	0.242	0.190	1.955	13.073	41.765	0.109	8.062	50.240	58.302

TABLE 3.12: GRADEWISE DESPATCH OF NON COKING COAL BY COMPANIES IN 2013-14

(Quantity in Million Tonnes)

Companies	NON-COKING COAL GRADE																			Total Non coking	Total Coal
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	UNG			
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	
ECL	0.052	1.346	13.043	4.701	1.281	0.948	0.191				14.367									35.929	35.974
BCCL		0.607	0.029	0.132	1.498	0.210	0.080				0.006									2.562	34.058
CCL		0.063	0.382	3.478	0.307	1.306	1.391	21.895	4.561	0.058										33.441	52.119
NCL				0.874	0.147	17.715	9.207		43.432					0.517						71.892	71.892
WCL			0.013	0.327	1.520	3.339	8.881	25.506	0.085											39.671	39.939
SECL		2.744	5.546	6.616	8.064	3.918	1.041		5.143	79.250	9.568									121.890	122.013
MCL				0.265		0.015	0.704	0.459	3.208	9.480	62.872	37.339								114.342	114.342
NEC	0.331	0.212		0.034																0.577	0.577
CIL	0.331	0.264	4.760	19.047	16.393	12.817	27.451	21.495	47.860	56.429	103.161	72.440	37.339	0.517	0.000	0.000	0.000	0.000	0.000	420.304	470.914
SCCL				0.714	0.003	7.847	0.214	8.743	6.870	8.712		11.708		1.943	0.370	0.326	0.442			47.892	47.892
JKML																0.013				0.013	0.013
JSMDC																				0.000	0.000
DVC			0.045																	0.045	0.045
DVC EMTA					0.457	1.066														1.523	1.523
IISCO	0.000		0.015	0.024						0.042										0.081	0.622
SAIL													0.031							0.031	0.075
APMDTCL																0.000				0.000	0.000
RRUVNL												1.197								1.197	1.197
WBMDTCL			0.546	0.188																0.734	0.734
WBPDCL			0.043		2.567															2.610	2.610
PSEB/PANEM					2.048		2.926	0.878												5.852	5.852
KECML							2.472													2.472	2.472
MPSMCL																				0.000	0.000
PUBLIC	0.331	0.264	4.760	19.696	17.319	17.892	36.364	27.107	57.481	63.299	111.915	73.637	49.078	0.517	1.943	0.370	0.339	0.442	482.754	533.949	
TISCO												0.067								0.067	6.969
MEG	5.732																			5.732	5.732
ICML									0.347	2.828	0.103									3.278	3.278
JSPL					0.772											5.227				5.999	5.999
HIL												1.822	0.631							2.453	2.453
MIEL						0.496				0.409										0.905	0.905
BLA				0.025		0.083	0.136			0.040				0.016						0.300	0.300
CML																				0.000	0.000
PIL									1.000											1.000	1.000
JNL									0.316				0.078							0.394	0.394
JPL												1.522	1.146	2.183		0.726				5.577	5.577
SIL							0.159													0.159	0.159
ESCL																	0.004			0.004	0.209
UML					0.759															0.759	0.759
SEML												0.159		0.743		0.215				1.117	1.117
BSIL													0.027							0.027	0.027
TUML											0.300									0.300	0.300
SPL										1.845										1.845	1.845
SOVA							0.199	0.080												0.279	0.279
GVK																				0.000	0.000
PRIVATE	5.732	0.000	0.000	0.000	0.025	1.531	0.579	0.494	1.396	2.192	3.168	2.338	2.995	3.573	0.000	0.726	5.446	0.000	30.195	37.302	
GRAND TOTAL	6.063	0.264	4.760	19.696	17.344	19.423	36.943	27.601	58.877	65.491	115.083	75.975	52.073	4.090	1.943	1.096	5.785	0.442	512.949	571.251	

TABLE 3.13: MODEWISE COMPANYWISE DESPATCHES OF RAW COAL IN 2013-14 (External & Internal)

(Quantity of Million Tonnes)

Company	YEAR 2013-14 (External)							YEAR 2013 - 14 (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	24.594	1.936	9.444				35.974							0.000	35.974
BCCL	25.318	6.439					31.757	1.017	1.284					2.301	34.058
CCL	26.178	15.511					41.689		10.430					10.430	52.119
NCL	25.738	7.072	35.084				67.894		3.998					3.998	71.892
WCL	22.167	13.567	0.581	2.421	0.974		39.710						0.229	0.229	39.939
SECL	47.492	41.373	24.581		5.245	3.322	122.013							0.000	122.013
MCL	72.225	24.506	11.219		6.392		114.342							0.000	114.342
NEC	0.471	0.106					0.577							0.000	0.577
CIL	244.183	110.510	80.909	2.421	12.611	3.322	453.956	1.017	15.712	0.000	0.000	0.000	0.229	16.958	470.914
SCCL	25.993	10.009	7.722	0.521		3.647	47.892							0.000	47.892
JKML		0.013					0.013							0.000	0.013
JSMDCL							0.000							0.000	0.000
DVC		0.045					0.045							0.000	0.045
DVC EMTA		1.523					1.523							0.000	1.523
IISCO							0.000	0.445		0.056	0.121			0.622	0.622
SAIL	0.031	0.044					0.075							0.000	0.075
APMDTCL		0.000					0.000							0.000	0.000
RRUVNL							0.000						1.197	1.197	1.197
WBMDTCL		0.734					0.734							0.000	0.734
WBPDCCL	0.082	2.528					2.610							0.000	2.610
PSEB/PANEM		5.852					5.852							0.000	5.852
KPCL	2.472						2.472							0.000	2.472
MPSMCL							0.000							0.000	0.000
PUBLIC	272.761	131.258	88.631	2.942	12.611	6.969	515.172	1.017	16.157	0.000	0.056	0.121	1.426	18.777	533.949
TISCO							0.000		0.501	1.643	4.825			6.969	6.969
MEG		5.732					5.732							0.000	5.732
ICML		3.278					3.278							0.000	3.278
JSPL		0.239					0.239					5.760		5.760	5.999
HIL		2.453					2.453							0.000	2.453
MIEL		0.905					0.905							0.000	0.905
BLA							0.000		0.300					0.300	0.300
CML							0.000							0.000	0.000
PIL		1.000					1.000							0.000	1.000
JNL		0.394					0.394							0.000	0.394
JPL					5.577		5.577							0.000	5.577
SIL	0.159						0.159							0.000	0.159
ESCL		0.004					0.004		0.205					0.205	0.209
UML	0.332	0.427					0.759							0.000	0.759
SEML		0.293					0.293		0.824					0.824	1.117
BSIL		0.027					0.027							0.000	0.027
TUML		0.300					0.300							0.000	0.300
SPL		0.282			1.563		1.845							0.000	1.845
SOVA		0.279					0.279							0.000	0.279
GVK							0.000							0.000	0.000
PRIVATE	0.491	15.613	0.000	0.000	7.140	0.000	23.244	0.000	1.830	0.000	1.643	10.585	0.000	14.058	37.302
GRAND TOTAL	273.252	146.871	88.631	2.942	19.751	6.969	588.416	1.017	17.987	0.000	1.699	10.706	1.426	32.835	571.251

TABLE 3.14: COMPANYWISE OFF-TAKE OF RAW COAL & LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2013-14

(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)
COAL :																
ECL	31.052	0.123	0.007	0.306	0.064		0.146		0.020	0.111	0.004		4.141	35.974	0.276	36.250
BCCL	27.017	0.057	3.066			1.104						1.971	0.843	34.058	0.070	34.128
CCL	32.100	1.411	10.729			0.276	0.730		0.020					52.119	0.002	52.121
NCL	63.579	3.848			0.155		0.100	0.258				3.952		71.892	0.219	72.111
WCL	28.913	1.550	0.268		1.950		0.392		0.207	0.375	0.078		6.206	39.939	0.006	39.945
SECL	86.008	8.647	0.123		3.556	0.871	3.379		0.007	0.219	0.054		19.149	122.013	0.014	122.027
MCL	78.085				0.360	0.097							35.800	114.342	0.005	114.347
NEC	0.244	0.008			0.021			0.152					0.152	0.577		0.577
CIL	346.998	15.644	14.193	0.306	6.106	2.348	4.747	0.410	0.254	0.705	0.136	5.923	73.144	470.914	0.592	471.506
SCCL	34.269	2.773	0.109		5.534		0.412		0.215	0.926	0.220	0.023	3.411	47.892	0.050	47.942
JKML					0.002						0.001	0.010		0.013		0.013
JSMDC														0.000		0.000
DVC		0.045												0.045	0.001	0.046
DVC EMTA		1.523												1.523		1.523
IISCO			0.541										0.081	0.622		0.622
SAIL			0.044	0.031										0.075		0.075
APMDTCL													0.000	0.000		0.000
RRUVNL		1.197												1.197		1.197
WBMDTCL	0.278				0.021		0.177			0.037	0.003	0.017	0.201	0.734		0.734
WBPDCL		2.610												2.610		2.610
PSEB/PANEM		5.852												5.852		5.852
KECML		2.472												2.472		2.472
MPSMCL														0.000		0.000
PUBLIC	381.545	32.116	14.887	0.337	11.663	2.348	5.336	0.410	0.469	1.668	0.360	5.973	76.837	533.949	0.643	534.592
TISCO			6.902	0.067										6.969		6.969
MEG													5.732	5.732		5.732
ICML	3.278													3.278		3.278
JSPL							5.999							5.999		5.999
HIL		2.453												2.453		2.453
MIL							0.905							0.905		0.905
BLA					0.300									0.300		0.300
CML														0.000		0.000
PIL							1.000							1.000		1.000
JNL							0.394							0.394		0.394
JPL		5.577												5.577		5.577
SIL							0.159							0.159		0.159
ESCL		0.041	0.112				0.040				0.016			0.209		0.209
UML							0.759							0.759		0.759
SEML		0.176	0.824				0.117							1.117		1.117
BSIL							0.027							0.027		0.027
TUML		0.079					0.221							0.300		0.300
SPL		1.845												1.845		1.845
SOVA		0.120					0.159							0.279		0.279
GVK		0.000												0.000		0.000
PRIVATE	3.278	10.291	7.838	0.067	0.300	0.000	9.780	0.000	0.000	0.000	0.000	0.016	5.732	37.302	0.000	37.302
GRAND TOTAL	384.823	42.407	22.725	0.404	11.963	2.348	15.116	0.410	0.469	1.668	0.360	5.989	82.569	571.251	0.643	571.894
LIGNITE:																
GIPCL		3.249												3.249		3.249
GMDCL	0.297	2.668			0.228				0.312	0.587	2.760	0.628	0.918	8.398		8.398
GHCL		0.190												0.190		0.190
NLCL	22.919	1.900		0.026	0.995				0.013	0.071	0.004	0.010	0.053	25.991		25.991
RSMMML	0.612				0.174					0.004	0.065		0.573	1.428		1.428
VSLPPL		0.839												0.839		0.839
BLMCL		3.802												3.802		3.802
TOTAL	23.828	12.648	0.000	0.026	1.397	0.000	0.000	0.000	0.325	0.662	2.829	0.638	1.544	43.897	0.000	43.897

TABLE 3.15: AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2012-13 & 2013-14
(Quantity in Million Tonnes)

Company	2012-13							2013-14								
	AVAILABILITY			OFF-TAKE				Closing Stock	AVAILABILITY			OFF-TAKE				Closing Stock
	Opening Stock	Production	Total	Despatches	Conveyers	Consumption	Total		Opening Stock	Production	Total	Despatches	Conveyers	Consumption	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)		
CIL	69.551	452.200	521.751	464.537	0.410	464.947	58.168	58.168	462.413	520.581	470.914	0.592	471.506	48.683		
SCCL	3.038	53.190	56.228	52.025	0.055	52.080	3.020	3.020	50.469	53.489	47.892	0.050	47.942	5.047		
JKML	0.003	0.019	0.022	0.014		0.014	0.005	0.005	0.019	0.024	0.013		0.013	0.013		
JSMDCCL	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000		
DVC	0.000	0.203	0.203	0.226	0.001	0.227	0.011	0.011	0.054	0.065	0.045	0.001	0.046	0.020		
DVC EMTA	0.017	1.836	1.853	1.844		1.844	0.009	0.009	1.519	1.528	1.523		1.523	0.005		
IISCO	0.009	0.715	0.724	0.716		0.716	0.008	0.008	0.622	0.630	0.622		0.622	0.009		
SAIL	0.000	0.102	0.102	0.097		0.097	0.006	0.006	0.069	0.075	0.075		0.075	0.000		
APMDTCL	0.004	0.073	0.077	0.055		0.055	0.022	0.022	0.000	0.022	0.000		0.000	0.000		
WBPDCCL	0.029	3.266	3.295	3.256	0.000	3.256	0.039	0.039	2.607	2.646	2.610		2.610	0.037		
WBMDTCL		0.348		0.265		0.265	0.085	0.085	0.726	0.811	0.734		0.734	0.077		
PSEB/PANE	0.029	6.926	6.955	6.872		6.872	0.083	0.083	5.879	5.962	5.852		5.852	0.110		
RRUVNL		0.293		0.293		0.293	0.000	0.000	1.197	1.197	1.197		1.197	0.000		
KECML	0.009	2.506	2.515	2.515		2.515	0.000	0.000	2.502	2.502	2.472		2.472	0.030		
MPSMCL							0.000	0.000	0.005	0.005	0.000		0.000	0.005		
PUBLIC	72.689	521.677	593.725	532.715	0.466	533.181	61.456	61.456	528.081	589.537	533.949	0.643	534.592	54.036		
TISCO	0.034	7.295	7.329	7.314	0.001	7.315	0.014	0.014	6.972	6.986	6.969	0.001	6.970	0.017		
Meghalaya	0.000	5.640	5.640	5.640		5.640	0.000	0.000	5.732	5.732	5.732		5.732	0.000		
ICML	0.941	3.129	4.070	3.221		3.221	0.848	0.848	2.708	3.556	3.278		3.278	0.279		
JSPL	0.010	5.999	6.009	5.999		5.999	0.010	0.010	5.999	6.009	5.999		5.999	0.010		
HIL	0.139	2.237	2.376	2.254		2.254	0.122	0.122	2.478	2.600	2.453		2.453	0.144		
MIEL	0.012	0.795	0.807	0.798		0.798	0.008	0.008	0.919	0.927	0.905		0.905	0.022		
BLA	0.000	0.300	0.300	0.300		0.300	0.000	0.000	0.300	0.300	0.300		0.300	0.000		
CML	0.020	0.000	0.020	0		0	0	0	0	0	0		0	0		
PIL	0.001	1.000	1.001	1.000		1.000	0.001	0.001	1.000	1.001	1.000		1.000	0.001		
JNL	0.023	0.480	0.503	0.479	0.001	0.480	0.025	0.025	0.446	0.471	0.394	0.001	0.395	0.076		
JPL	0.002	5.250	5.252	5.088		5.088	0.164	0.164	6.226	6.390	5.577		5.577	0.005		
SIL	0.015	0.248	0.263	0.244		0.244	0.020	0.020	0.148	0.168	0.159		0.159	0.009		
ESCL	0.108	0.099	0.207	0.074		0.074	0.093	0.093	0.461	0.554	0.209		0.209	0.318		
UML	0.005	0.560	0.565	0.564		0.564	0.001	0.001	0.762	0.763	0.759		0.759	0.004		
SEML	0.001	0.976	0.977	0.893		0.893	0.084	0.084	1.165	1.249	1.117		1.117	0.131		
BSIL	0.013	0.062	0.075	0.019		0.019	0.055	0.055	0.081	0.136	0.027		0.027	0.109		
TUML	0.027	0.341	0.368	0.367		0.367	0.001	0.001	0.317	0.318	0.300		0.300	0.017		
SPL		0.225	0.225	0.081		0.081	0.144	0.144	1.695	1.839	1.845		1.845	0.000		
SOVA		0.089	0.089	0.086		0.086	0.003	0.003	0.276	0.279	0.279		0.279	0.000		
GVK								0.000	0.000	0.000	0.000		0.000	0.000		
PRIVATE	1.351	34.725	36.076	34.421	0.002	34.423	1.593	1.593	37.685	39.278	37.302	0.002	37.304	1.142		
INDIA	73.973	556.402	629.801	567.136	0.468	567.604	63.049	63.049	565.766	628.815	571.251	0.645	571.896	55.178		

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

Year	Raw coal			Lignite			Total solid fossil fuel	
	Pit-head Closing Stock	Share in total solid fossil fuel (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total solid fossil fuel (%)	Change over previous year (%)	Pit-head Closing Stock	Change over previous year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2004-05	23.969	97.81	12.58	0.536	2.19	152.83	24.505	13.96
2005-06	34.334	98.49	43.24	0.525	1.51	-2.05	34.859	42.25
2006-07	44.348	97.79	29.17	1.002	2.21	90.86	45.350	30.10
2007-08	46.779	99.30	5.48	0.328	0.70	-67.27	47.107	3.87
2008-09	47.317	98.13	1.15	0.903	1.87	175.30	48.220	2.36
2009-10	64.863	99.14	37.08	0.565	0.86	-37.43	65.428	35.69
2010-11	72.192	99.16	11.30	0.610	0.84	7.96	72.802	11.27
2011-12	74.040	98.60	2.56	1.051	1.40	72.30	75.091	3.14
2012-13	62.150	97.65	-16.06	1.493	2.35	42.06	63.643	-15.25
2013-14	55.178	96.74	-11.22	1.860	3.26	24.58	57.038	-10.38

TABLE 4.2 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2013-14

(Quantity in Million Tonnes)

Month	Raw Coal	Lignite	Washed Coal (Coking)	Washed Coal (Non-Coking)	Middlings (Coking)	Middlings (Non-Coking)	Hard Coke
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Apr-13	60.433	1.593	0.209	0.207	0.286	1.276	0.034
May-13	55.274	1.678	0.187	0.170	0.320	1.224	0.049
Jun-13	50.461	1.718	0.191	0.082	0.336	1.267	0.074
1st Quarter	50.461	1.718	0.191	0.082	0.336	1.267	0.074
Jul-13	44.411	1.075	0.164	0.126	0.327	1.347	0.078
Aug-13	40.396	1.042	0.175	0.197	0.357	1.371	0.078
Sep-13	37.467	1.042	0.172	0.245	0.364	1.389	0.071
2nd Quarter	37.467	1.042	0.172	0.245	0.364	1.389	0.071
Oct-13	37.053	0.923	0.171	0.305	0.340	1.337	0.071
Nov-13	37.212	0.925	0.187	0.293	0.323	1.181	0.059
Dec-13	38.998	5.526	0.163	0.344	0.304	1.197	0.081
3rd Quarter	38.998	5.526	0.163	0.344	0.304	1.197	0.081
Jan-14	42.922	1.115	0.164	0.210	0.360	1.228	0.092
Feb-14	45.179	1.254	0.195	0.231	0.412	1.276	0.085
Mar-14	55.178	1.860	0.175	0.541	0.426	1.308	0.082
4th Quarter	55.178	1.860	0.175	0.541	0.426	1.308	0.082

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	2011-12		2012-13		2013-14	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COAL :						
ECL	4.046	5.47	2.114	3.35	1.913	3.47
BCCL	6.955	9.39	5.090	8.07	3.576	6.48
CCL	15.099	20.40	11.504	18.25	9.405	17.04
NCL	6.843	9.24	9.579	15.19	6.107	11.07
WCL	5.093	6.88	5.816	9.22	5.600	10.15
SECL	9.298	12.56	5.930	9.41	7.764	14.07
MCL	22.122	29.88	18.053	28.63	14.149	25.64
NEC	0.095	0.13	0.082	0.13	0.169	0.31
CIL	69.551	93.95	58.168	92.26	48.683	88.23
SCCL	3.038	4.10	3.020	4.79	5.047	9.15
JKML	0.003	0.00	0.005	0.01	0.013	0.02
JSMDC			0.000	0.00	0.000	0.00
DVC		0.00	0.011	0.02	0.020	0.04
DVC EMTA	0.017	0.02	0.009	0.01	0.005	0.01
IISCO/SAIL	0.009	0.01	0.008	0.01	0.009	0.02
SAIL/TASRA			0.006	0.01	0.000	0.00
APMDTCL	0.004	0.01	0.022	0.03	0.000	0.00
WBPDC	0.029	0.039	0.039	0.062	0.037	0.062
WBMDTCL			0.085	0.13	0.077	0.14
PSEB/PANEM	0.029	0.04	0.083	0.13	0.110	0.20
RRUVNL			0.000	0.00	0.000	0.00
KECML	0.009	0.01	0.000	0.00	0.030	0.05
MPSMCL					0.005	0.01
Total Public	72.680	98.18	61.456	97.47	54.036	97.93
TISCO	0.034	0.05	0.014	0.02	0.017	0.03
Meghalaya	0.000		0	0.00	0	0.00
ICML	0.941	1.27	0.848	1.34	0.279	0.51
JSPL	0.010	0.01	0.010	0.02	0.010	0.02
HIL	0.139	0.19	0.122	0.19	0.144	0.26
MIEL	0.012	0.02	0.008	0.01	0.022	0.04
BLA		0.00	0.000	0.00	0.000	0.00
CML	0.020	0.03	0.000	0.00	0.000	0.00
PIL	0.001	0.00	0.001	0.00	0.001	0.00
JNL	0.023	0.03	0.025	0.04	0.076	0.14
JPL	0.002	0.00	0.164	0.26	0.005	0.01
SIL	0.015	0.02	0.020	0.03	0.009	0.02
ESCL	0.108	0.15	0.093	0.15	0.318	0.58
UML	0.005	0.01	0.001	0.00	0.004	0.01
SEML	0.001	0.00	0.084	0.13	0.131	0.24
BSIL	0.013	0.02	0.055	0.09	0.109	0.20
TUML	0.027	0.04	0.001	0.00	0.017	0.03
SPL			0.144	0.23	0.000	0.00
SOVA			0.003	0.00	0.000	0.00
GVK			0	0	0	0
Total Private	1.351	1.82	1.593	2.53	1.142	2.07
ALL INDIA	74.031	100.00	63.049	100.00	55.178	100.00
LIGNITE :						
NLC	0.589	56.04	1.121	75.08	1.739	93.49
GMDCL						
GIPCL	0.452	43.01	0.296	19.83	0.053	2.85
GHCL	0.010	0.95	0.024	1.61	0.016	0.86
RSMML						
VSLPPL					0.051	
BLMCL			0.052	3.48	0.001	0.05
ALL INDIA	1.051	100.00	1.493	100.00	1.860	97.26
COAL & LIGNITE	75.082		64.542		57.038	

TABLE 4.4 : CAPTIVE BLOCK WISE PIT-HEAD CLOSING STOCK OF RAW COAL DURING 2013-14

(Quantity in Million Tonnes)

Block	Company	State	Coking Coal	Non Coking Coal	Total Coal
Tasra	SAIL/IISCO	Jharkhand			0.000
Barjora North	DVCEMTA	West Bengal		0.005	0.005
Namchik Namphuk	APMDTCL	Arunachal Pradesh			0.000
Parsa E & Kanta Basan	RRUVNL	Chhattisgarh			0.000
Trans Damodar	WBMDTCL	West Bengal		0.077	0.077
Tara East & West	WBPDC	West Bengal		0.013	0.013
Barjore	WBPDC	West Bengal		0.005	0.005
Gangaramchak & Bhadulia	WBPDC	West Bengal		0.003	0.003
Panchwara North	WBPDC	Jharkhand		0.016	0.016
Pachwara Central	PSEB	Jharkhand		0.110	0.110
Baranj I-IV, Kilioli, Manora Dahanu	KPCL	Maharashtra		0.030	0.030
Amelia North	MPSMCL	Madhya Pradesh		0.005	0.005
Total Public			0.000	0.264	0.264
Ardhagram	SOVA	West Bengal			0.000
Belgaon	SIL	Maharashtra		0.009	0.009
Chotia	PIL	Chhattisgarh		0.001	0.001
Gare Palma IV/1	JSPL	Chhattisgarh		0.010	0.010
Gare Palma IV/2&3	JPL	Chhattisgarh		0.005	0.005
Gare Palma IV/4	JNL	Chhattisgarh		0.076	0.076
Gare Palma IV/5	MIEL	Chhattisgarh		0.022	0.022
Gare Palma IV/7	SEML	Chhattisgarh		0.131	0.131
Gotitoria E&W	BLA	Madhya Pradesh			0.000
Kathautia	UML	Jharkhand		0.004	0.004
Marki Mangli I	BSIL	Maharashtra		0.109	0.109
Marki Mangli II-III	TUML	Maharashtra		0.017	0.017
Moher & Moher Amlori Extn	SPL	Madhya Pradesh			0.000
Parbatpur Central	ESCL	Jharkhand	0.248	0.070	0.318
Sarshatali	ICML	West Bengal		0.279	0.279
Talabira I	HIL	Orissa		0.144	0.144
Total Private			0.248	0.877	1.125
Grand Total			0.248	1.141	1.389

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

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

Year	Coking Coal		Non-Coking Coal		Total Coal		Coke		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(8)	(9)
2004-05	16.925	72432	12.025	30228	28.950	102660	2.840	38018		
2005-06	16.891	95373	21.695	53722	38.586	149095	2.619	22186		
2006-07	17.877	101806	25.204	65080	43.081	166886	4.686	40211		
2007-08	22.029	121025	27.765	86358	49.794	207384	4.248	51231		
2008-09	21.080	226140	37.923	187268	59.003	413408	1.881	46051		
2009-10	24.690	201311	48.565	190489	73.255	391800	2.355	33311		
2010-11	19.484	208621	49.434	206875	68.918	415496	1.490	31204		
2011-12	31.801	424692	71.052	363683	102.853	788376	2.365	47585		
2012-13	35.557	378398	110.228	490057	145.785	868455	3.081	56919	0.0006	10
2013-14	37.191	351926	131.248	581003	168.439	932929	4.193	68343	0.0013	24

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

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

Year	Coking Coal		Non-Coking Coal		Total Coal		Coke		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(8)	(9)
2004-05	0.240	378	1.134	2040	1.374	2418	0.155	841		
2005-06	0.046	88	1.943	2585	1.989	2673	0.157	790		
2006-07	0.107	222	1.447	2915	1.554	3137	0.076	323		
2007-08	0.036	84	1.591	2684	1.627	2768	0.097	987		
2008-09	0.109	245	1.546	3240	1.655	3485	1.338	7246		
2009-10	0.270	696	2.180	4347	2.450	5042	0.129	2080		
2010-11	0.111	265	1.764	4544	1.875	4809	0.729	11647		
2011-12	0.097	287	1.917	5525	2.015	5812	0.613	11525		
2012-13	0.056	302	2.387	8349	2.443	8651	1.201	6017	0.0691	360
2013-14	0.008	35	2.144	10152	2.153	10187	0.173	1504	0.0019	108

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

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

Table 5.3 : Source country- wise Import of Coal, Coke and Lignite to India during 2013-14

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

Country	Coking Coal		Non Coking Coal		Total Coal		Coke		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(8)	(9)
AUSTRALIA	30.098	286588	4.676	32898	34.774	319486	0.267	4344		
CANADA	1.247	12248	0.000	0	1.247	12248	0.000	0		
CHILE			0.995	3488	0.995	3488				
CHINA P RP			0.207	2014	0.207	2014	2.037	33221	0.0010	17
COLOMBIA	0.044	431	0.003	35	0.047	466	0.256	4000		
INDONESIA	0.085	730	102.983	417824	103.068	418554	0.022	375		
ITALY							0.077	1165	0.0001	1
JAPAN							0.579	9701		
KOREA RP							0.032	528		
MALAYSIA			0.055	201	0.055	201				
MOZAMBIQUE	0.970	8985	0.528	2878	1.499	11863				
NEW ZEALAND	1.157	10962			1.157	10962				
PAKISTAN IR			0.000	2	0.000	2	0.023	201		
POLAND							0.170	3097		
RUSSIA	0.242	1886	0.500	4230	0.742	6116	0.143	2278		
SOUTH AFRICA	0.696	4518	19.923	106944	20.618	111462	0.002	30		
U S A	2.651	25539	1.000	6531	3.651	32070	0.000	1	0.0002	5
UKRAINE	0.000	0	0.315	3093	0.315	3093	0.581	9320		
VIETNAM SOC REP			0.050	747	0.050	747				
OTHERS	0.001	39.597	0.013	118	0.015	158	0.005	82	0.0001	1
TOTAL	37.191	351926	131.248	581003	168.439	932929	4.193	68343	0.0014	24

Table 5.4 : Destination Country- wise Export of Coal, Coke and Lignite to India during 2013-14

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

Country	Coking Coal		Non Coking Coal		Total Coal		Coke		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(8)	(9)
BANGLADESH PR	0.006	23	1.591	6528	1.597	6551	0.002	23	0.0001	2
BHUTAN			0.067	761	0.067	761	0.008	149		
INDONESIA									0.0002	22
ITALY							0.024	369	0.0001	4
JORDAN							0.000	11		
KUWAIT			0.020	101	0.020	101				
NEPAL	0.002	12	0.374	2312	0.376	2324	0.110	428	0.0003	3
OMAN			0.000	0	0.000	0	0.000	7	0.0002	26
PAKISTAN IR							0.025	444	0.0000	1
SAUDI ARAB							0.001	18	0.0001	9
SRI LANKA DSR			0.000	0	0.000	0	0.001	23	0.0001	1
THAILAND							0.000	2	0.0000	7
U ARAB EMTS			0.089	432	0.089	432	0.001	18	0.0004	14
U S A			0.000	0	0.000	0		0	0.0002	9
OTHERS	0.000	0	0.002	18	0.002	18	0.001	12	0.0002	10
TOTAL	0.008	35	2.144	10152	2.153	10187	0.173	1504	0.0019	108

Source: DGCI & S, KOLKATA

Table 5.5 : Port Wise Import of Coal, Coke and Lignite to India during 2013-14

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

Port	Coking Coal		Non Coking Coal		Total Coal		Coke		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(8)	(9)
ALIBAG	0.158	1561	3.127	14343	3.285	15905	0.915	15162		
APPIIC MULTI PROD SEZ VIZAG DC			0.006	37	0.006	37	0.018	253		
ATTARIROAD,AMRITSAR			0.000	2	0.000	2				
BANGALORE AIRPORT	0.000	0			0.000	0		0		
BEDI SEA	0.120	990	4.761	17199	4.881	18189				
BHAVNAGAR			0.417	1591	0.417	1591				
CHENNAI AIR	0.000	0			0.000	0				
CHENNAI SEA	0.001	40	5.733	23775	5.735	23815	0.000	4	0.0001	1
COCHIN SEA			0.021	75	0.021	75	0.000	6		
DEHEJ SEA			9.176	41168	9.176	41168				
DELHI (ICD)			0.000	1	0.000	1				
DELHI AIR	0.000	0	0.000	0	0.000	0				
DHAMRA(CHANDBALI)	3.828	34466	5.668	31031	9.497	65497				
ENNORE SEA	0.223	2318	5.725	26426	5.948	28745	0.088	1675		
GANGAVARAM PORT	4.780	45593	4.698	23003	9.478	68595	0.149	1941		
HAZIRA PORT, SURAT			1.376	4641	1.376	4641				
HETERO INFRA SEZ NAKKAPALLI AP			0.024	64	0.024	64				
HYDERABAD AIRPORT	0.000	0	0.000	0	0.000	0				
ICD BANGALORE			0.000	9	0.000	9				
ICD BHUSAWAL							0.004	55		
ICD DURGAPUR, WB			0.001	8	0.001	8	0.000	1	0.0000	0
ICD HYDERABAD	0.000	0			0.000	0				
ICD KHEDA							0.001	13		
ICD SABARMATI							0.000	1		
ICD TONDIAR-PET CHENNAI			0.000	2	0.000	2				
ICD TUTICORIN			0.000	3	0.000	3				
JABILANT INFRA LTD KANDLA			0.015	49	0.015	49				
JAIGAON			0.000	1	0.000	1				
JOYNAGAR			0.069	299	0.069	299				
KAKINADA SEA			1.412	5340	1.412	5340				
KANDLA SEA	0.320	3366	5.873	22725	6.193	26091				
KARIKAL	0.562	5318	2.267	10719	2.829	16036				
KIADB TEXTILE SEZ KARNATAKA			0.089	316	0.089	316				
KOLKATA AIR	0.000	0	0.000	0	0.000	0	0.000	1		
KOLKATA SEA	5.214	50411	2.751	14363	7.965	64773	0.508	8293	0.0010	17
KRISHNAPATNAM	2.120	18703	10.840	51399	12.960	70102				
MAGDALLA PORT SEA	0.502	4425	3.596	15893	4.098	20318	0.971	16370		
MARMAGOA SEA	4.072	38899	0.745	5467	4.817	44366				
MULDWARKA			0.171	485	0.171	485				
MUMBAI AIR	0.000	0	0.000	2	0.000	2	0.000	0		
MUMBAI SEA			4.163	18577	4.163	18577				
MUNDRA	1.250	11168	17.443	69182	18.693	80350	0.001	8		
NAVLAKHI			4.297	18476	4.297	18476				
NEWMANGALORE SEA	0.585	4857	6.171	30554	6.756	35412	0.734	11959		
NHAVA SHEVA SEA			0.011	249	0.011	249	0.001	22	0.0003	6
OKHA	0.177	1583	0.247	1325	0.424	2908				
PARADIP SEA	6.458	63914	7.649	35789	14.107	99703	0.707	11000		
PIPAVAB(VICYOR)	0.023	221	1.827	9571	1.849	9791	0.001	13		
PORBANDAR			0.378	1954	0.378	1954				
SEZ Mundra			9.745	40204	9.745	40204				
SEZ WARDHA POWER LTD. WARORA			0.049	264	0.049	264				
SIKKA			0.116	738	0.116	738				
TUTICORIN SEA			5.933	24310	5.933	24310	0.002	56		
VISAKHAPATNAM SEA	6.796	64092	4.436	18526	11.232	82618	0.092	1502		
UNSPECIFIED			0.222	851	0.222	851	0.001	8		
TOTAL	37.191	351926	131.248	581003	168.439	932929	4.193	68343	0.0014	24

Source: DGCI & S, KOLKATA

Table 5.6 : Port Wise Export of Coal, Coke and Lignite to India during 2013-14

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

Port	Coking Coal		Non Coking Coal		Total Coal		Coke		Total Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(8)	(9)
BAGMARA			0.020	86	0.020	86				
BANGALORE AIRPORT							0.000	0		
BHOLLAGANJ	0.000	1	0.003	13	0.003	14				
BORSORAH	0.005	21	0.804	3376	0.809	3397				
CFS PATPARGANJ							0.000	0		
CHASUAPARA			0.419	1845	0.419	1845				
CHENGRABANDHA RLY.STATION			0.001	5	0.001	5				
CHENNAI AIR							0.000	0		
CHENNAI SEA	0.000	0			0.000	0	0.000	1	0.0003	11
COCHIN SEA			0.000	0	0.000	0			0.0000	0
DALU			0.056	219	0.056	219				
DAWKI			0.198	578	0.198	578				
DELHI AIR			0.000	0	0.000	0		0		
GHAJADANGA			0.000	0	0.000	0	0.001	11	0.0001	1
GOURIPHANTA			0.008	59	0.008	59				
HATISAR (Deosiri)			0.001	5	0.001	5				
HILI (WEST)			0.001	3	0.001	3	0.000	6		
ICD BANGALORE							0.000	0		
JAIGAON			0.067	756	0.067	756	0.008	149		
JIFNU(BOMBAY)			0.011	45	0.011	45				
JOGBANI			0.031	106	0.031	106	0.000	3	0.0001	1
JOYNAGAR			0.000	0	0.000	0	0.000	0		
KOLKATA AIR			0.000	0	0.000	0				
KOLKATA SEA			0.000	0	0.000	0	0.000	9		
KOTWALIGATE (MOHEDIPUR)			0.001	2	0.001	2				
MAGDALLA PORT SEA			0.109	531	0.109	531				
MANKACHAR	0.000	1	0.001	3	0.001	3				
MARMAGOA SEA							0.001	16		
MUMBAI AIR			0.000	0	0.000	0		0		
MUNDRA			0.000	2	0.000	2	0.050	851	0.0004	54
NAUTANWA (SONAULI)	0.002	12	0.053	284	0.055	296	0.100	367	0.0001	1
NEPALGANJ			0.022	129	0.022	129	0.001	6		
NHAVA SHEVA SEA	0.000	0	0.000	1	0.000	1	0.000	1	0.0007	39
OKHA							0.001	13		
PANITANKI			0.233	1577	0.233	1577	0.002	12	0.0000	1
PETRAPOLE LAND			0.000	0	0.000	0	0.001	6		
PIPAVAB(VICYOR)							0.000	0		
RAXAUL LAND	0.000	0	0.027	160	0.027	160	0.007	39	0.0000	0
SUTARKANDI			0.079	363	0.079	363				
TUTICORIN SEA			0.000	4	0.000	4	0.000	2		
VISAKHAPATNAM SEA							0.000	2		
UNSPECIFIED							0.000	8		
TOTAL	0.008	35	2.144	10152	2.153	10187	0.173	1504	0.0019	108

Source: DGCI & S, KOLKATA

Table 6.1.: SUMMARY OF ALLOCATION OF COAL & LIGNITE BLOCKS AS ON 31.03.2014

Sector	End Use	Mode of Allotment	No of blocks	Geological Reserves (MT)
(1)	(2)	(3)	(4)	(5)
A. COAL BLOCKS				
Public Sector Undertakings	Power	Govt. dispensation	43	15087.2
	Commercial Mining	Govt. dispensation	32	5444.9
	Iron & Steel	Govt. dispensation	2	393.8
	PSU Total		77	20925.9
Private Companies	Power	Captive dispensation	17	2958.7
	Power	Ultra Mega Power Project	12	4846.0
	Sub total		29	7804.7
	Iron & Steel	Captive dispensation	28	3122.2
	Cement	Captive dispensation	2	225.3
	Small and Isolated Patch (Commercial Mining)	Captive dispensation	2	9.3
	Sub total		32	3356.83
Pvt. Total		61	11161.54	
ALL INDIA	Power		72	22891.9
	Iron & Steel		30	3516.0
	Cement		2	225.3
	Commercial Mining		34	5454.2
	Grand Total		138	32087.4
B. LIGNITE BLOCKS				
State PSU	Power	Govt. dispensation	7	1211.2
	Commercial	Govt. dispensation	13	640.6
	Subtotal		21	1851.9
Private	Power	Captive dispensation	9	371.7
ALL INDIA	Power		15	1582.9
	Commercial		13	640.6
	Grand Total		28	2223.5

Note.

1. GR quantities are GR during allocation and subject to change during approval of Mining Plan.
2. Deallocated blocks are not included in this chapter.

Table 6.2: Yearwise and Sectorwise Allotment of Captive Coal Blocks (as on 31.03.2014)
(GR in Mill. Tonnes.)

Year of Allotment	Power		Ultra Mega Power Project		Iron & Steel		Govt. Commercial		Private Comm & Cement		Coal to Oil		Total	
	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1993	1	140.5											1	140.5
1994	1	22.6											1	22.6
1995	1	84.5											1	84.5
1996	1	125.7			3	535.0			2	9.3			6	670.0
1997	0	0.0											0	0.0
1998	3	434.8											3	434.8
1999	0	0.0			2	231.0							2	231.0
2000	0	0.0			1	156.0							1	156.0
2001	1	562.0			1	34.3							2	596.3
2002	1	92.3											1	92.3
2003	10	319.2			4	372.6	2	286.5					16	978.3
2004	4	2143.5											4	2143.5
2005	5	1541.5			11	839.0	1	103.2					17	2483.6
2006	10	5100.1	6	1635.0	3	144.7	15	3768.5					34	10648.3
2007	11	3764.8	1	972.0	3	253.3	12	1146.0	2	225.3			29	6361.5
2008	5	1320.5	1	100.0	1	250.0	1	84.3					8	1754.8
2009	1	137.9	3	1339.0	1	700.0							5	2176.9
2010	0		1	800.0									1	800.0
2011	0						1	56.8					1	56.8
2012*	0												0	0.0
2013*	5	2256.2											5	2256.2
2014*	0												0	0.0
Total	60	18045.9	12	4846.0	30	3516.0	32	5445.2	4	234.7	0.0	0.0	138	32087.7

N.B. Out of Total allocated 218 Coal Blocks 80 have been deallocated by MOC as on 31.03.2014. So net allocated coal
Note: * Till March'2014 GR=Geological Reserves as estimated during allocation.

Table 6.3: Statewise and Sectorwise Allotment of Captive Coal Blocks - (as on 31.03.2014)

(GR in Million Tonnes)

State	Power		Ultra Mega Power Project		Iron & Steel		Govt. Commercial		Private Comm & Cement		Coal to Oil		Total	
	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves	Coal Blocks (No.)	Geological Reserves
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Arunachal Pradesh							1	27.0					1	27.0
Andhra Pradesh	1	61.3											1	61.3
Chhattisgarh	13	3781.6	2	1113.7	6	672.7	8	1956.2					29	7524.1
Jharkhand	18	7329.4	2	1197.4	11	1226.7	6	646.5					37	10400.0
Maharashtra	6	152.5	1	100.0	7	110.7	1	11.0					15	374.2
Madhya Pradesh	2	1181.1	3	750.0			9	764.0	4	234.7			18	2929.8
Orissa	12	4885.7	4	1685.0	4	684.0	1	733.0					21	7987.7
West Bengal	8	654.3			2	822.0	6	1307.2					16	2783.4
Total	60	18045.9	12	4846.0	30	3516.0	32	5444.9	4	234.7	0	0.0	138	32087.5

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

Year	Target / Achievement	Power		Iron & Steel		Govt. Comm		Private Comm & Cements		Total	
		No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1997-98	Achievement	2	0.71							2	0.71
1998-99		2	1.79	1	0.04					3	1.83
1999-00		2	2.17	1	0.78					3	2.95
2000-01		2	2.41	1	1.42					3	3.83
2001-02		2	2.91	1	1.55					3	4.46
2002-03		3	3.40	1	2.12					4	5.52
2003-04		4	5.36	1	2.47					5	7.83
2004-05		4	6.92	2	3.09			2	0.10	8	10.11
2005-06		5	7.58	2	5.76			2	0.28	9	13.62
2006-07		5	10.07	4	7.32			2	0.22	11	17.61
XI th Five Year Plan											
2007-08	Target 1	13	13.90	4	8.05	1	0.20	2	0.33	28	22.48
	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
	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
	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
	Target 2	15	25.50	9	9.64	1	0.20	2	0.30	27	35.64
	Achvmt	15	24.36	10	9.27	1	0.30	2	0.30	28	34.22
2011-12	Target 1	42	54.28	41	41.30	8	8.20	2	0.30	93	104.08
2011-12	Target 2	18	27.30	16	10.35	2	0.30	2	0.30	38	38.25
2011-12	Achvmt	15	25.82	11	9.83	1	0.22	2	0.30	29	36.17
XII th Five Year Plan											
2012-13	Target	17	26.80	17	11.10	3	1.00	2	0.30	39	39.20
	Achvmt	19	25.59	13	10.72	2	0.42	2	0.30	36	37.04
2013-14	Target	18	26.80	17	12.17	3	0.57	2	0.30	40	39.84
	Achvmt	22	27.25	13	11.65	3	0.71	2	0.30	40	39.91

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

ABBREVIATIONS

O.C.	OPENCAST
U.G.	UNDERGROUND
ECL	Eastern Coalfields Limited (Coal India Ltd. Subsidiary) -Public - Non Captive
BCCL	Bharat Coking Coal Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
CCL	Central Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
NCL	Northern Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
WCL	Western Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
SECL	South Eastern Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
MCL	Mahanadi Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
NEC	North Eastern Coalfields (Coal India Ltd. Subsidiary) - Public - Non Captive
SCCL	Singareni Collieries Company Limited - Public - Non Captive
JKML	Jammu & Kashmir Minerals Limited - Public - Non Captive
JSMDC	Jharkhand State Mineral Development Corporation Limited - Public - Non Captive
DVC	Damodar Valley Corporation - Public - Non Captive
DVC EMTA	D. V. C. 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
WBPDC	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
ICML	Integrated Coal Mining Limited - Private - Captive
JSPL	Jindal Steel & Power Limited - Private - Captive
TISCO	Tata 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
KPCL	Karnataka Power Corporation 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
GVK	GVK Power (Goindwal Sahib) Limited - Private - Captive
NLC	Neyveli Lignite Corporation Limited - Public - Non Captive
GIPCL	Gujarat Industries Power Company Limited - Public - Captive
GMDCL	Gujarat Mineral Development Corporation Limited - Public - Non Captive
GHCL	Gujarat Heavy Chemical Limited - Private - Captive
RSMML	Rajasthan State Mines and Mineral Limited - Public - Non Captive
VS LIGNITE	V. S Lignite Power Limited - Private - Captive
OBR	Over Burden Removal
R/P Ratio	Reserve/ Production ratio, calculated at the end of the year indicates the number of years the remaining reserve would last if the production were to continue at that level.

Appendix - A

Concepts, Definitions and Practices

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

2. Classification of Coal

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

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

2.2 In practice, hard coal is calculated as the sum of anthracite and bituminous coals. Anthracite is a high-rank, hard coal used mainly

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

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

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

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

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

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

iii)

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.

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.