



PROVISIONAL COAL STATISTICS 2014-15

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

Provisional Coal Statistics 2014-15

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

Any suggestions for improvement are most welcome

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PREFACE

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

Coal Statistics, therefore, assumes paramount significance to meet the data requirements of the Central/ State Government Bodies, planners, thinkers, academicians etc. 'Coal Directory of India' incorporating firmed up data of the previous year is brought out every year around December. To meet the immediate requirement, **Provisional Coal Statistics 2014-15** like previous years is now being brought out utilizing available data bank of this organization.

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

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

Suggestions to improve both content and presentation are most welcome.

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Highlights

(A) Production

1. In the year 2014-15, the total production of raw coal in India increased by 8.25% (from 565.765 MT in 2013-14 to 612.435 MT in 2014-15) where as the corresponding decrease in the production of lignite was 9.00 % (from 44.271 MT in 2013-14 to 48.257 MT in 2014-15).[Table: 2.1]
2. The contribution of public sector and private sector in the production(MT) of Raw Coal in India in 2014-15 was as follows: [Table :- 2.10]

Production of raw coal during the year 2014-15 (MT)			
Sector	Coking	Non-coking	Total coal
Public	51.010	516.023	567.033
Private	6.441	38.961	45.402
All India	57.451	554.984	612.435

3. The production of coking coal in 2014-15 in India was 57.451 MT (1.10 % growth over 2013-14) whereas the corresponding figure for non-coking coal was 554.984 MT (9.00 % growth over 2013-14). [Table :- 2.2]
4. The production of washed coal (coking) during 2014-15 was 6.011 MT (decreased by 9.1 % over 2013-14) whereas the production of middling (coking) was 4.721 MT (decreased by 3.9 % over 2013-14). [Table :- 2.3]
5. During 2014-15, Chhattisgarh registered highest coal production of 134.764 MT (22.0 % share) followed by Jharkhand 124.147 MT (20.3 % share) and Odisha 123.627 MT (20.2 % share). Tamil Nadu was the largest producer of lignite 25.190 MT (52.2 % share). [Table :- 2.6 and 2.7]
6. The contribution of Coal India Limited in the coal production in India in 2014-15 was 494.234 MT (80.70 %) and that of SCCL 52.536 MT (8.58%). During the period 2014-15, Neyveli Lignite Corporation contributed 26.543 MT (55.00%) of lignite production. [Table :- 2.10]
7. Highest coking coal producing state of India was Jharkhand (56.435 MT i.e. 98.23 %) whereas highest non-coking coal producing state was Chhattisgarh (134.764 MT i.e. 24.26 %). [Table :- 2.8]
8. Around 92.09 % of coal production of India in 2014-15 was from open-cast mines (563.97 MT). [Table:- 2.15]
9. SECL produced highest quantity of coal from underground i.e. 16.036 MT (33.09 %) followed by SCCL which produced 10.203 MT (21.05 %). [Table:-2.16]
10. Productivity (OMS) of underground mines for the year 2014-15 was 0.78 for CIL and 1.10 for SCCL. During 2014-15, OMS for opencast mines for CIL and SCCL were 13.06 and 12.14 respectively. (OMS is the output measured in tones per unit of man-shift). [Table :- 2.17]

11. Overall stripping ratio for the year 2014-15 was 2.33 (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 :- 2.19]

(B) Despatch

1. During 2014-15, despatch of indigenous raw coal was 607.630 MT against the corresponding figure of 572.06 MT during 2013-14 (increase of 6.22% over 2013-14). Lignite despatch was 46.941 MT against the corresponding figure of 43.897 MT during 2014-15 (increased of 6.93 % over 2013-14). Despatches of solid fossil fuel increased from 615.957 MT in 2013-14 to 654.571 MT in 2014-15 registering an increase of 6.27 % .[Table :-3.1]
2. Despatches of coking coal decreased from 58.464 MT in 2013-14 to 56.614 MT in 2014-15 (decrease by 3.16 % over the previous year). [Table :-3.2]
3. Despatches of Metallurgical coal reduced from 15.236 MT in 2013-14 to 13.381 MT in 2014-15 registering a decrease of 12.18 %. [Table :-3.2]
4. Despatches of non-coking coal grew by 7.29 % [from 513.596 MT in 2013-14 to 551.016 MT in 2013-14]. [Table :-3.2]
5. During 2014-15 despatch of washed coal (coking) was 6.007 MT against 6.645 MT in 2013-14 i.e. decreased by 9.60% over previous year and despatch of middling (coking) was 4.928 MT against 4.894 MT in 2013-14 i.e. increased by 0.69% over previous year. [Table :-3.3]
6. During 2014-15 despatch of hard coke was 13.919 MT over 12.707 MT in 2013-14, therefore increased by 9.54% over previous year. [Table :-3.3]
7. The contribution of public sector and private sector in the dispatch of Raw Coal in 2014-15 was as follows: [Table :- 3.10]

Despatch of Raw Coal during the year 2014-15 (MT)			
Sector	Coking	Non-coking	Total
Public	50.348	511.540	561.888
Private	6.266	39.476	45.742
All India	56.614	551.016	607.630

8. During 2014-15 all coal producing states except Jammu & Kashmir showed a positive growth in coal despatch resulting into a 6.22 % growth in coal despatch during 2014-15. [Table :- 3.6]
9. Regarding coal despatch during 2014-15 Chhattisgarh had highest share of 129.392 MT (21.29%) followed by Odisha 125.382 MT (20.63%) and Jharkhand 122.687 MT (20.19%). [Table :- 3.6]
10. Tamil Nadu had the largest share of 51.327% (24.088 MT) in lignite despatch. [Table :- 3.7]
11. During 2014-15 despatch of coal by CIL and SCCL was 488.919 MT and 52.662 MT respectively. [Table :- 3.11]

12. Despatch of coal by Private sector was 45.742 MT in which TISCO had largest share of 6.061 MT followed by JSPL 5.989 MT. [Table :- 3.8]
13. During 2014-15 despatch of coal to Power Sector (Utility) was 418.489 MT, Steel Sector 22.285 MT. and Cement Sector 11.362 [Table :- 3.14]
14. During 2014-15 coal was mainly despatched by Rail 297.477 MT (48.96 %) followed by road 167.980 MT (27.65 %) and MGR 93.520 MT (15.09 %). [Table :- 3.13]

(C) Pit Head Closing Stock

1. Pit-head Closing Stock of raw coal as on 31-03-2015 was 59.447 MT against 55.514 MT in 2013-14 i.e. increased by 7.08 % over previous year. In case of lignite it was 3.176 MT as on 31.03-2015 against 1.860 MT as on 31.-03-2014 i.e. increased by 70.75 % over previous year. [Table :-4.1]
2. Pit-head closing stock of coking coal as on 31-03-2015 was 6.994 MT whereas it was 6.412 MT as on 31-03-2014. [Table :-4.2]
3. Pit-head closing stock of non-coking coal as on 31-03-2015 was 52.453 MT where as it was 49.102 MT as on 31-03-2014. [Table :-4.2]
4. Out of total closing stock of 59.447 MT Public sector accounted for 59.088 MT. [Table :-4.3]

(D) Import and Export

1. Import of Coking coal was 43.715 MT in 2014-15 against 36.872 MT in 2013-14 i.e. an increase of 18.56% over 2013-14. Import of Non-coking coal was 168.388 MT in 2014-15 against 129.985 MT in 2013-14 i.e. an increase of 29.54% over 2013-14. [Table :-5.1]
2. The countries from where coal was mainly imported were Indonesia (118.22 MT) followed by Australia (47.46 MT) and South Africa (30.73 MT). [Table 5.3]
3. Coal was mainly imported through Mundra (24.22 MT), Paradip (16.22 MT), Dehej (14.24 MT), Dhamra (13.64 MT), Gangavaram (13.90 MT), Krishnapatnam (13.36 MT) and Sez Mundra (12.70 MT) sea ports. [Table 5.5]
5. Export of coal during 2014-15 was 1.238 MT against 2.188 MT in 2013-14. [Table :-5.2]
4. Coal was mainly exported to Bangladesh (0.54 MT) and Nepal (0.48 MT). Main ports for coal export were Panitanki (0.31 MT) Borsorah (0.15 MT) Magdalla (0.14 MT). [Table 5.4]

(E) Captive Coal Block

During 2014-15, the total production of raw coal from captive coal blocks in India was 52.769 MT against 39.484 MT in 2013-14, showing an increase by 33.64 % over 2013-14.

(F) Geological Coal Reserve

As per Geological Survey of India geological resources of Coal in India as on 01.04.2015 was 306.596 Billion Tonnes/BT for coal seams of 0.9 Metre and above in thickness and up to the 1200 Metre depth from surface. The geological resources of Coking coal (Prime, Medium and Semi-coking) as on 01-04-2015 was 34.404 BT and Non-coking coal was 272.192 BT.

Total coal extracted since 1950 up to 2014-15 is around 13147.979 Million Tonnes.

Introductory Note

1.1 Provisional Coal Statistics 2014-15 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 2014-15, 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 2014-15.

1.2

Statement 1: Difference between Provisional and Final Figures of Production and Despatch of Coal									
Year	Type of Data	Production [Million Tonnes]				Despatch [Million Tonnes]			
		Coking Coal	Non-Coking Coal	Coal Total	Lignite	Coking Coal	Non-Coking Coal	Coal Total	Lignite
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
	F	56.818	508.947	565.765	44.271	58.464	513.956	572.060	43.897
	D	0%	0%	0%	0%	0.28%	0.20%	0.141%	0%
2014-15	P	57.451	554.984	612.435	48.257	56.614	551.016	607.630	46.941
N.B 1:	P = Provisional Data; F = Final Data; D = % Differences between the Final Data and the Provisional Data.								
N.B 2:	The difference between the final and provisional figures is in general negligible and less than 0.5%.								

1.3 Provisional Coal Statistics 2014-15, apart from providing data on production, despatch and stock of Coal and Lignite in 2014-15 in India, also provides data on coal reserves in India as on 01.04.2015, import and export of coal, performance of captive mining etc. during 2014-15.

1.4 In this report of 2014-15, some changes that were reflected in the report of 2013-14 in the arrangement of coal blocks between Public sector and Private sector have been continued. The ground for such rearrangement was to segregate the blocks strictly according to the original allotment between Public Sector and Private Sector. So the corresponding tables may not be strictly comparable with the figures prior to

2013-14. Like the report of 2013-14, in this year also three additional tables have been presented (Table 2.11 for coal production, Table 3.9 for coal despatch and Table 4.4 for pit head closing stock) which shows figures by names of captive coal blocks.

1.5 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 continued and appended as Appendix- A in this report.

1.6 As the purpose of the publication of the Provisional Coal Statistics 2014-15 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

1.7 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	01/04/2013	123,182	142,632	33,100	298,914
	01/04/2014	125,909	142,506	33,148	301,564
	01/04/2015	131,614	143,241	31,739	306,596
Lignite	01/04/2013	6,181	26,283	10,752	43,216
	01/04/2014	6,181	26,283	10,783	43,247
	01/04/2015	6,182	26,282	11,650	44,114

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

In the year 2014-15, coal production in India reached 612.435 MT and registered a growth of 8.25 % over the last year. During this period production of lignite reached 48.257 MT registering a growth of 9.0 % over the last year. Statement 3(A) shows production of coal in 2014-15 in India by Public and Private Sectors.

Company	Coal Production (2014-15) [MT]		
	Coking	Non-coking	Total
CIL	50.566	443.668	494.234
SCCL	-	52.536	52.536
Other Public	0.444	19.819	20.263
Total Public	51.010	516.023	567.033
Total Private	6.441	38.961	45.402
ALL INDIA	57.451	554.984	612.435

1.9 It can be seen that Coal India Limited alone accounted for 80.70 % of coal production in the country. The share of SCCL in coal production was 8.58 % and that of private sector was 7.41 %. The performance of subsidiary companies of Coal India Limited may be seen from Statement 3(B). From Statement 3(A) and 3(B) it can be seen that the major contributors in the group were SECL (20.93 %), MCL (19.82 %) and NCL (11.84 %) in all India coal production. These three subsidiary companies of CIL collectively accounted for 52.58 % of total coal production at all India level and 65.16 % of production by CIL group.

Company	Coal Production (2014-15) [MT]		
	Coking	Non-coking	Total
ECL	0.034	39.972	40.006
BCCL	30.770	3.742	34.512
CCL	19.326	36.326	55.652
NCL	-	72.484	72.484
WCL	0.310	40.837	41.147
SECL	0.126	128.149	128.175
MCL	-	121.379	121.379
NEC	-	0.779	0.779
CIL	50.566	443.668	494.234

1.10 From the Statement 3(A) it can also be seen that by type of coal, major contribution in total coal production was of non-coking coal (90.62 %). Statement 4 shows that during the period 2014-15, almost total Coking coal of the country was produced in the state of Jharkhand which accounted for 98.23 % of the total coking coal production.

1.11 From Table 2.2 it can be seen that in 2014-15, the production of coking coal registered a marginal increase of 1.1 % over the previous year whereas the corresponding increase in the case of non-coking coal was 9.0 %. In case of coking coal, metallurgical coal with the production of 13.789 MT in 2014-15 registered a decrease of 8.8 % and non-metallurgical coal with the production of 43.662 MT registered an increase of 4.69 %.

1.12 Statement 4 shows coal production in India during 2014-15 by states. It may be observed that the three major states were Chhattisgarh (22.0 %), Jharkhand (20.27 %) and Odisha (20.19 %) which together accounted for about 62.46 % of the total coal production in the country.

States	Coal Production (2014-15) [MT]		
	Coking	Non Coking	Total
Andhra Pradesh/ Telangana		52.536	52.536
Arunachal Pradesh		0	0
Assam		0.779	0.779
Chhattisgarh	0.126	134.638	134.764
Jammu & Kashmir		0.013	0.013
Jharkhand	56.435	67.712	124.147
Madhya Pradesh	0.310	87.299	87.609
Maharashtra		38.257	38.257
Meghalaya *		5.732	5.732
Odisha		123.627	123.627
Uttar Pradesh		14.957	14.957
West Bengal	0.580	29.434	30.014
Total Public	51.010	516.023	567.033
Total Private	6.441	38.961	45.402
All India	57.451	554.984	612.435

* Figure of Meghalaya for the year 2013-14 has been repeated in 2014-15 as no return for the year 2014-15 has been received.

1.13 If one examines the production from the technology point of view then it can be seen from Table 2.15 that in the year 2014-15 the total production under open cast system accounted for 92.09 % of the total coal production and the rest 7.91 % 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 85.02 % in 2005-06 to 92.09 % in 2014-15.

1.14 It can be seen from Table 2.3 that production of coal products increased from 43.76 MT in 2013-14 to 46.12 MT in 2014-15. Out of total production of coal products in 2014-15, production of washed coal was 23.31 MT in which washed coal (coking) was 6.01 MT and washed coal (non-coking) was 17.29 MT.

1.15 Table 2.12 and 2.13 show details of coal production by type (coking and non-coking) and grade of coal by each company for the year 2014-15.

1.16 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 2.19 it can be seen that in 2014-15, the stripping ratio at all India level was 2.33. The corresponding figure for the year 2013-14 was 2.23. Stripping ratio of CIL for 2014-15 was 1.92. During 2014-15, stripping ratio for the public sector as a whole was 2.30 and for the private sector was 2.78. In case of CIL companies, MCL reported the lowest stripping ratio of 0.74 against coal production of 120.103 MT whereas NEC reported the highest stripping ratio of 13.13 against coal production of 0.776 MT. WCL reported the second highest stripping ratio of 3.66 against production of 33.581 MT.

1.17 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 2.17 it can be seen that for CIL OMS for open cast mining has shown an increasing trend in last ten years which has increased from 7.51 in 2005-06 to 13.06 in 2014-15. The corresponding increase in case of SCCL has been from 9.60 in 2005-06 to 12.14 in 2014-15. Further details on the issue can be seen from the table 2.18.

Type of Mining	Company	Year	
		2013-14	2014-15
OC	CIL	13.16	13.06
	SCCL	11.10	12.14
UG	CIL	0.76	0.78
	SCCL	1.12	1.10
OC + UG	CIL	5.79	6.19
	SCCL	3.86	4.20

1.18 It can be seen from Table 2.1 that production of lignite in 2014-15 was 48.257 MT whereas it was 44.271 MT in 2013-14. Thus during 2014-15 production of lignite had a growth of 9.0 % over the previous year against a decrease in production by 4.70 % in 2013-14 over 2012-13. It can also be seen from Table 2.1 that while coal production has registered an increase of 50.46 % in 2014-15 in comparison to the year 2005-06 the corresponding increase in lignite production was 59.64 %. Statement 6 shows production of lignite by different companies in 2013-14 and 2014-15. In case of lignite two major producing companies were NLC and GMDCL with contribution of 55.0 % and 18.03 % respectively. During the year 2014-15, the major player, NLC registered a nominal decrease of 0.25 % over the last year. Whereas during 2014-15, GMDCL registered an increase of 3.60 % in production over the last year. BLMCL ranked third in lignite production.

Company	2013-14	2014-15
NLC	26.609	26.543
GMDCL	8.398	8.700
GIPCL	3.006	3.404
RSMML	1.428	1.405
GHCL	0.190	0.200
VS LIGNITE	0.890	1.005
BLMCL	3.750	7.000
ALL INDIA	44.271	48.257

Despatch

1.19 Despatch of Raw Coal during the year 2014-15 was 607.630 MT against 572.060 MT in 2013-14, showing a growth of 6.22 % over the previous year. The increase of 6.22 % in despatch against the increase of 8.25 % in the production indicates slightly lower despatch mechanism in 2014-15.

1.20 Statement 7 shows the despatch of coal by different companies in the year 2014-15. It can be seen that the Coal India Limited accounted for 80.46 % of overall coal despatch in the country. The share of SCCL in coal despatch was 8.67 %. The contribution of the private sector was 7.53 %. In the CIL group of companies, share of SECL was 20.27 %, MCL was 20.24 % and NCL was 12.10 %. These three subsidiary companies of CIL collectively accounted for 52.62 % of the raw coal despatch at all India level.

1.21 Statement 8 provides details of off-take of Raw Coal in India in 2014-15 by different sectors of economy. Analysis of total off-take by different sector shows that power sector accounted for 77.23 % of total Raw Coal off-take (Power Utilities: 68.81 % and Captive Power: 8.42 %). Further details on the issue can be seen from Table 3.14.

Company	Coal Despatch (2014-15) [MT]		
	Coking	Non-coking	Total
ECL	0.036	38.184	38.220
BCCL	30.152	3.514	33.666
CCL	19.359	35.978	55.337
NCL	-	73.518	73.518
WCL	0.232	41.008	41.240
SECL	0.125	123.084	123.209
MCL	-	122.996	122.996
NEC	-	0.733	0.733
CIL	49.904	439.015	488.919
SCCL	-	52.662	52.662
Other Public	0.444	19.863	20.307
Total Public	50.348	511.540	561.888
Total Private	6.266	39.476	45.742
ALL INDIA	56.614	551.016	607.630

Sector	Off-take [MT]
Power (Utility)	418.489
Power (Captive)	51.227
Steel	22.285
Steel (Boilers)	0.365
Cement	11.362
Fertilizers	2.294
Sponge Iron	14.676
Other basic-Metal	0.257
Chemical	0.399
Pulp & Paper	1.541
Textiles & Rayons	0.419
Bricks	0.113
Others	84.203
Total Despatches	607.630
Colliery Own Consumption	0.576
Total Off-take	608.206

1.22 Table 3.11 and 3.12 show details of coal despatch by type of coal (coking and non-coking) and grade of coal by each company during the year 2014-15.

1.23 From Statement 9 it can be seen that despatch as well as off-take of lignite during 2014-15 was 46.941 MT. Like coal, lignite was mainly despatch to power sector. Share of power sector was 84.09 % from total off-take of lignite during the year 2014-15. Others in case of raw coal as well as lignite include supply to defence, railway, private crockery, etc.

Sector	Off-take (2014-15) [MT]
Power (Utility)	23.052
Power (Captive)	16.421
Cement	1.269

Chemical	0.328
Pulp & Paper	0.690
Textiles & Rayons	2.887
Bricks	0.613
Others	1.681
Total Off-take	46.941

Pit Head Closing Stock

1.24 A complete understanding of production and despatch of coal requires a discussion on the pit head closing stock. It is to be noted that whenever we talk about pit head closing stock of coal we refer to raw coal. From Statement 10 it can be seen that the pit-head closing stock as on 31.03.2015 of coal and lignite was 59.447 MT and 3.176 MT respectively. In both coal and lignite there was increase in closing stock during 2014-15.

1.25 Statement 11 provides trend for last ten years for pit head closing stock of coal and lignite. It can be seen 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 showed decreasing trend. Closing stock of coal increased from 34.334 MT in 2005-06 to 74.040 MT in 2011-12. Thereafter it decreased to 63.049 MT in 2012-13 and to 55.514 MT in 2013-14. However, it again increased to 59.447 MT in 2014-15. The trend in case of lignite is fluctuating one.

Company	Year	
	2013-14	2014-15
Coal		
Coking	6.412	6.994
Metallurgical	1.139	1.209
Non-metallurgical	5.273	5.785
Non-coking	49.102	52.453
Total Coal	55.514	59.447
Lignite	1.860	3.176

Year	Pit Head Closing Stock [MT]	
	Raw Coal	Lignite
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	55.514	1.860
2014-15	59.447	3.176

1.26 Statement 12 shows pit head closing stock of coal by companies during the period 2013-14 and 2014-15. It can be seen that in 2014-15, CIL registered an increase of 9.86 % in its Pit head closing stock of coal in comparison with figure of 2013-14. In the CIL Group, there was significant decline in closing stock in case of NCL and MCL and marginally in case of WCL other companies showed increase in closing stock over the year 2013-14. While SCCL showed a marginal decrease in closing stock there was significant decrease in case of private sector. Further details on this aspect may be seen from Tables 4.1 to 4.3.

Company	Year	
	2013-14	2014-15
(1)	(2)	(3)
COAL		
ECL	1.913	3.451
BCCL	3.576	4.362
CCL	9.405	9.718
NCL	6.107	4.898
WCL	5.600	5.501
SECL	7.764	12.816
MCL	14.149	12.524
NEC	0.169	0.215
CIL	48.683	53.485
SCCL	5.548	5.348

Statement 12: Company wise Pit Head Closing Stock (MT) of Coal and Lignite in India		
Company	Year	
	2013-14	2014-15
(1)	(2)	(3)
Total Public	54.534	59.088
Total Private	0.980	0.359
ALL INDIA	55.514	59.447

Import & Export

1.27 In spite of sufficient coal reserve, we have not been able to meet our demand from our own production. Moreover, the supply of high quality coal (low-ash coal) in the country has been 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.

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

1.29 In 2014-15, import of raw coal by India was 212.103 MT (in value 1045241 Million Rupees) against import of 166.857 MT (in value 923292 Million Rupees) in 2013-14. Thus import of coal (in quantity) was increased by 27.12 % during the year 2014-15 over 2013-14. The share of coking and non-coking coal can be seen from (Statement 13):

Statement 13: Import of Coal to India in 2014-15		
Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	43.715	337656
Non-Coking	168.388	707586
Total	212.103	1045241

It can be seen that the share of coking coal in the total quantity was 20.61 % which in value terms accounted for 32.30 %.

1.30 Statement 14 depicts source country wise import of coal in India in 2014-15. It can be seen that Indonesia with 55.73 % share [118.251 MT] remained the leading supplier followed by Australia 22.38 % [47.459 MT] and South Africa 14.49 % [30.731 MT]. These three countries together accounted for 92.60 % of the total import to India during the year 2014-15.

Statement 14: Source Country-Wise Import of Coal to India during 2014-15		
Country	Quantity [MT]	% Share
Indonesia	118.215	55.73 %
Australia	47.459	22.38 %
South Africa	30.731	14.49 %
USA	4.270	2.01 %
Mozambique	1.979	0.93 %
Canada	1.957	0.92 %
Others	9.471	4.47 %
Total	212.103	100 %

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

Statement 15: Source Country-Wise Import of Coking Coal to India during 2014-15		
Country	Quantity [MT]	% Share
Australia	37.504	85.80
Canada	1.856	4.25
USA	1.602	3.66
Mozambique	1.409	3.22
New Zealand	1.025	2.34
Others	0.319	0.73
Total	43.715	100

Statement 16: Source Country-Wise Import of Non-Coking Coal to India during 2014-15		
Country	Quantity [MT]	% Share
Indonesia	118.215	70.21
South Africa	30.571	18.16
Australia	9.956	5.91
USA	2.668	1.58
Others	6.978	4.14
Total	168.388	100

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

Statement 17: Demand*, Despatch, Import and Export of Coking Coal of India [MT]				
Year	Demand*	Despatch	Import	Export
2009-10	20.290	42.469	24.690	0.270
2010-11	50.510	48.950	19.484	0.111
2011-12	46.670	51.723	31.801	0.097
2012-13	52.300	55.859	35.557	0.056
2013-14	53.980	58.464	36.872	0.008
2014-15	55.460	56.614	43.715	0.042

Statement 18: Demand*, Despatch, Import and Export of Non-coking Coal of India [MT]				
Year	Demand*	Despatch	Import	Export
2009-10	584.040	471.323	48.565	2.180
2010-11	605.800	474.515	49.434	1.764
2011-12	649.360	483.576	71.052	1.917
2012-13	720.540	511.277	110.228	2.387
2013-14	715.710	513.596	129.985	2.180
2014-15	731.570	551.016	168.388	1.196

*Source: Annual Plan, MOC

1.33 Export of Coal: Although, there was short supply of coal in India compared to its demand and it had to resort to import of coal, India exported some quantity of coal to its neighboring countries during the year 2014-15 (Statement 19). It can be seen from the statement that the total export was 1.238 MT. Export to Bangladesh was 0.542 MT (43.78 %) followed by Nepal 0.482 MT (38.93 %) and United Arab Emirates 0.141 MT (11.39 %).

Statement 19: Export of Coal by India to different countries during 2014-15		
Country	Quantity [MT]	% Share
Bangladesh PR	0.542	43.78
Nepal	0.482	38.93
United Arab Emts	0.141	11.39
Others	0.073	5.90
Total	1.238	100

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

Statement 20: Export of Coking Coal from India to different countries during 2014-15		
Country	Quantity [MT]	% Share
Iran	0.035	83.33
Bangladesh PR	0.007	16.67
Total	0.042	100

Statement 21: Export of Non-coking Coal from India to different countries during 2014-15		
Country	Quantity [MT]	% Share
Bangladesh PR	0.535	47.73
Nepal	0.482	40.30
United Arab Emts	0.141	11.79
Others	0.038	3.18
Total	1.196	100

Captive Coal Blocks

1.35 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 were de-allocated. Thus at the end of 2013-14, 138 Coal Blocks and 28 Lignite Blocks remained allocated under the category of Captive Coal Blocks. During the year 2014-15, by virtue of the order dated 25-08-2014 read with the order 24-09-2014 of the Hon'ble Supreme Court of India, out of 218 captive coal blocks allocation of 204 blocks was cancelled for fresh allocation as per the guidelines of the apex court.

1.36 Tables 6.1 to 6.4 provide details on the position of Captive Coal Blocks during the year 2014-15. It can be seen from Table 6.1 that 138 coal blocks were allocated to public and private sector till 24-09-2014. Subsequent to the order of the Hon'ble Supreme Court of India, the position from 25-09-2014 to 31-03-2015 was changed as may be seen in this table. 42 numbers of producing coal blocks [Schedule -II coal mines as per the Coal Mines (Special Provisions) Ordinance, 2014 promulgated subsequently as the Coal Mines (Special Provisions) Act, 2015] were allowed to produce coal up to 31st March, 2015. Allocation of 14 numbers of blocks were not cancelled. Thus total number of blocks stand allocated from 25-09-2014 to 31-03-2015 were 56. Out of 56 coal blocks, number

of blocks allocated to the public sector undertakings was 23 and to the private sector was 33. As on 31-03-2015, captive blocks for Power sector under the PSUs meant for government dispensation was 18 and under the private companies meant for captive dispensation it was 17. Similarly number of blocks allocated to Iron and Steel sector under the PSUs was 1 and under the private sector it was 12. Further details may be seen in the concerned table.

1.37 The total geological reserves of these 56 captive coal blocks were estimated to be 10551.671 MT. By the end of 2014-15 the geological reserves of the coal blocks allocated to Power sector, Iron and Steel sector and Cement & Commercial Mining were 9008.820 MT, 1062.06 MT and 480.790 MT respectively.

1.38 During the year 2014-15, captive coal blocks contributed 52.769 MT of coal to All India coal production of 612.435 MT.

1.39 In case of lignite, out of 25 lignite blocks 19 blocks with GR of 1489.930 MT were allocated to PSUs and 6 blocks with reserves of 107.300 MT were allocated to private sector.

1.40 Out of 25 lignite blocks 15 were allocated to power sector and 10 were allocated for captive commercial use. As on 31st March, 2015, 15 lignite blocks were producing.

Chart-I : MONTH-WISE RAW COAL PRODUCTION, DESPATCHES & STOCK IN INDIA, 2014-15

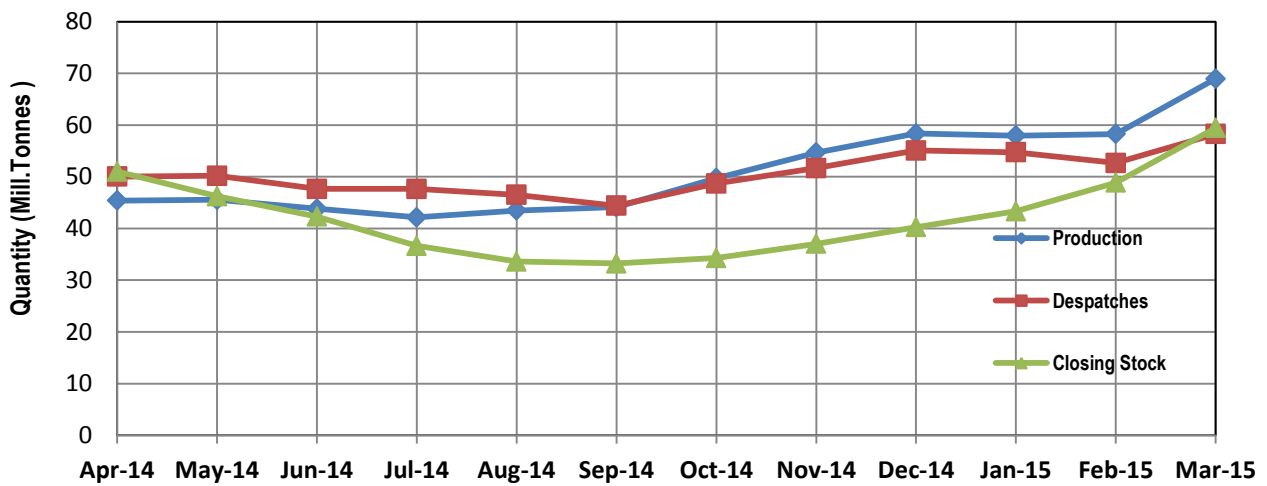


Chart-II : RAW COAL PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS

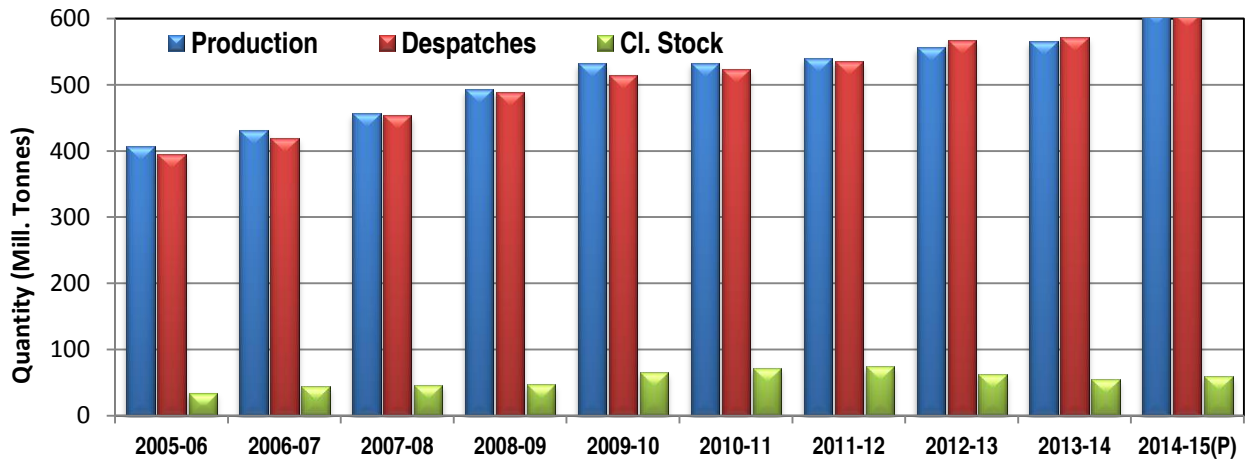


Chart-III : LIGNITE PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS

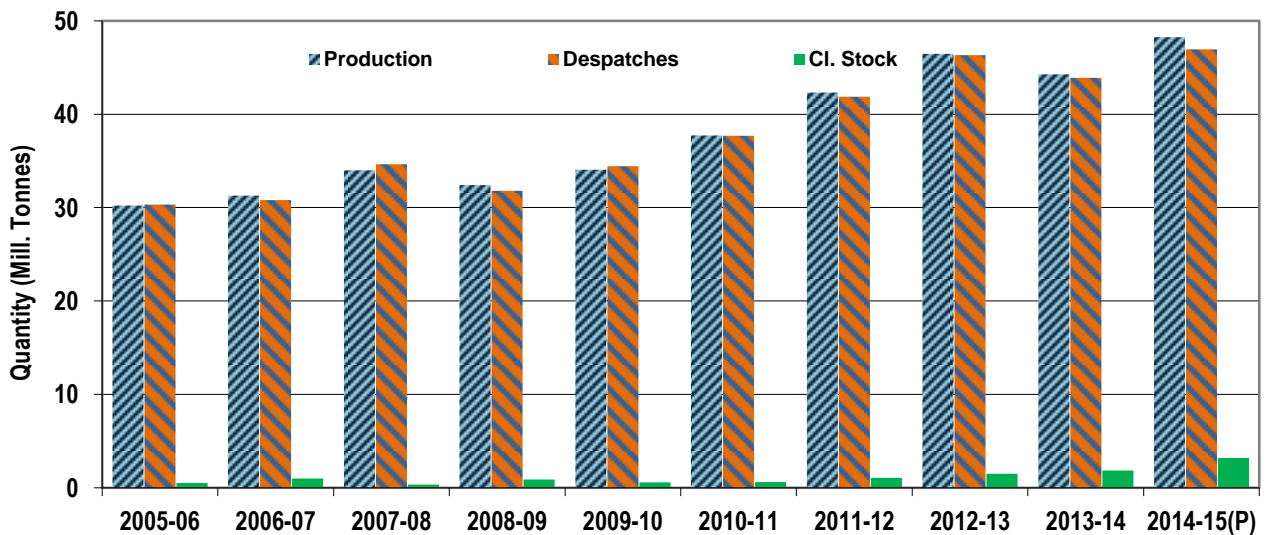


Chart -IV : Sectorwise Despatches of Raw Coal from differant companies in 2014-15

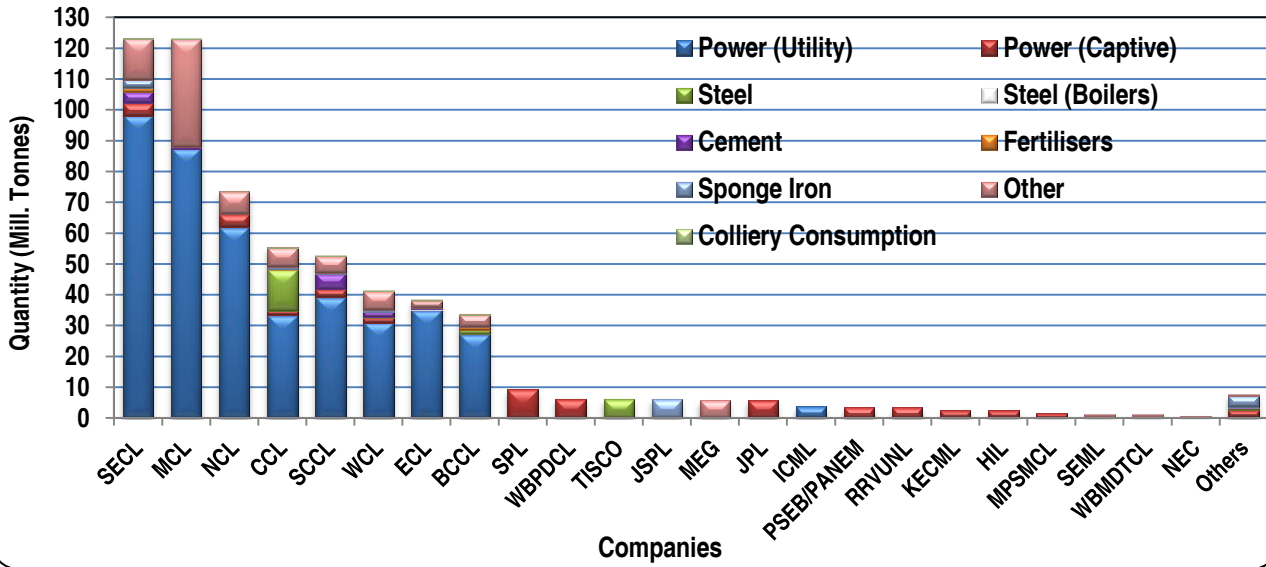


Chart - V : Import of Coal (Coking and Non-coking) and Coke during last Ten Years

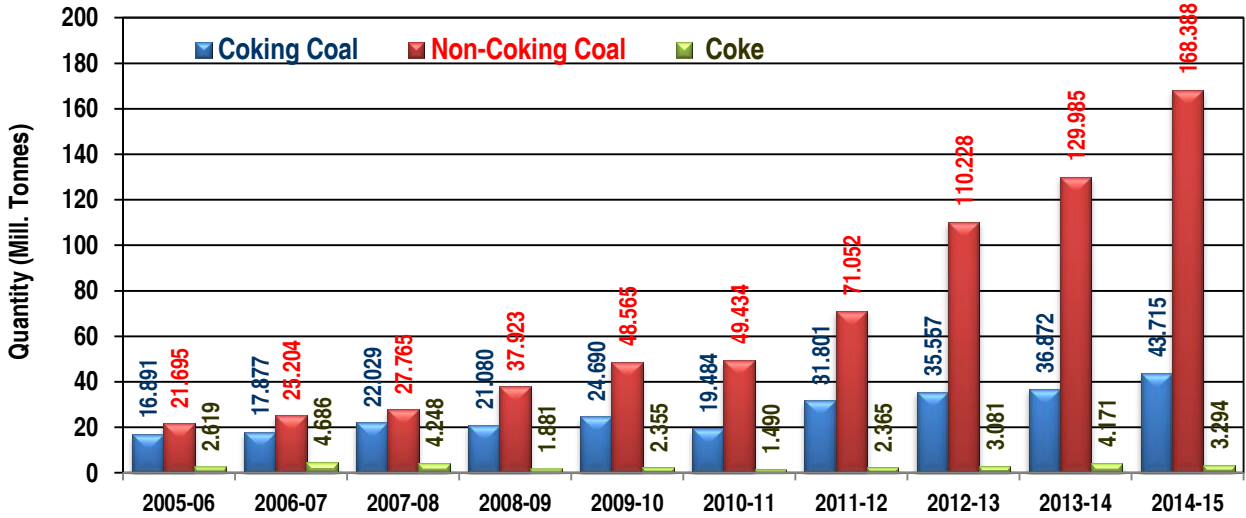


Chart - VI : Export of Coal (Coking and Non-coking) and Coke during last Ten Years

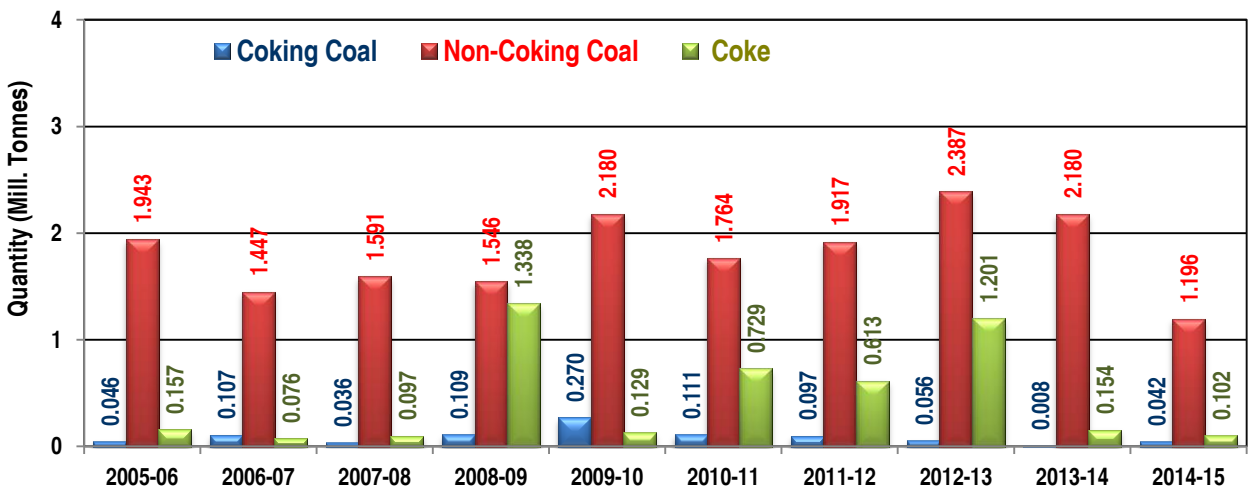


Table 1.1: All India Coal Demand (BE) and Supply - Sectorwise: 2014-15

(Quantity in MillionTonnes)

Sector	Demand (BE)	Actual Supply			Achievement (%)
		Indigenous	Import	Total	
I. Coking Coal					
1 Steel / Coke Oven/ Private Cokeries	17.02	22.29		22.29	130.9%
2 Import	38.44		43.72	43.72	114%
Sub Total (Raw Coal)	55.46	22.29	43.72	66.00	119.0%
II. Non Coking Coal					
3 Power (Utilities)	551.60	418.49		418.49	75.9%
4 Power (Captive) [CPP]*	50.00	53.52		53.52	107.0%
5 Sponge Iron	23.85	14.68		14.68	61.5%
6 Cement	26.12	11.36		11.36	43.5%
7 Others	80.00	87.88		87.88	109.8%
Sub-total (Raw Coal)	731.57	585.93	168.39	754.32	103.1%
III. Total Raw Coal Offtake	787.03	608.21	212.10	820.32	104.2%

Note:

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

2 Import of Coal (actual) for the year 2014-15 (Source DGCIS)

* CPP includes despatch to Fertilizer Sector.

Table 1.2: Supply Plan of Indigenous Coal - Sourcewise in 2014-15 (Quantity in MillionTonnes)

Source of Supply	Supply Plan (BE)	Actual supply	Achievement (%)
1 ECL	38.00	38.469	101.2%
2 BCCL	35.00	33.729	96.4%
3 CCL	58.00	55.338	95.4%
4 NCL	78.00	73.693	94.5%
5 WCL	45.00	41.246	91.7%
6 SECL	133.00	123.223	92.6%
7 MCL	132.00	123.001	93.2%
8 NEC	1.00	0.733	73.3%
9 Total CIL	520.00	489.432	94.1%
10 SCCL	55.50	52.725	95.0%
11 Others	68.25	66.049	96.8%
All India Indigenous Coal Supply	643.75	608.206	94.5%

Total Indigenous Coal Supply/ Availability	BE (2014-15)	Actual	Achievement
a. Demand	787.03	787.03	100.0%
b. Indigenous Supply	643.75	608.21	94.5%
c. Materialisation through Import	143.28	212.10	148.0%
d. Total Supply/ Availability	787.03	820.31	104.2%
e. Overall Demand - Supply Gap	0	(+) 33.28	

Demand & Supply Plan is based on Annual Plan 2014-15 of MOC and Actual is from Sectorwise Off-take table.

Table 1.3: Indigenous Coal Supply Plan (BE) & Achievement : 2014-15

(Quantity in MillionTonnes)

Sector	BE (2014-15)				Actual				Achievement (%)			
	CIL	SCCL	Others	Total	CIL	SCCL	Others	Total	CIL	SCCL	Others	Total
I. Coking Coal												
1 Steel (Indigenous)	7.12	0	3.16	10.28	15.07	0	7.22	22.29	212%		228%	217%
2 Private Cokeries/												
Sub Total (R/C)	7.12	0	3.16	10.28	15.07	0	7.23	22.29	212%		229%	217%
II. Non Coking Coal												
3 Power (Utilities)	405.00	35.00	26.89	466.89	374.78	39.21	4.51	418.49	93%	112%	17%	90%
4 Power (Captive) CPP#	36.20	4.10	0.50	40.80	13.99	2.66	36.88	53.52	39%	65%	7376%	131%
5 Sponge Iron/ CDI	9.29	0.80	15.07	25.16	4.11	0.35	10.22	14.68	44%	43%	68%	58%
6 Cement	7.20	7.20	0.95	15.35	6.10	4.99	0.27	11.36	85%	69%	29%	74%
7 Others	54.79	8.35	6.96	70.1	3.93	3.97	79.39	87.29	7%	48%	1141%	125%
8 Coll. Consumption	0.42	0.06	0.0	0.48	0.51	0.06	0	0.58	122%	105%		120%
Sub-total (R/C)	512.90	55.51	50.37	618.78	403.42	51.23	131.27	585.92	79%	92%	261%	95%
III. Total Raw Coal	520.02	55.51	53.53	629.06	418.49	51.23	138.49	608.21	80%	92%	259%	97%

Based on Annual Plan 2014-15 of MOC and Sectorwise Off-take table.

CPP Includes Despatch to Fertilizer Sector.

TABLE 1.4 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF RAW COAL & LIGNITE DURING 2013-14 & 2014-15
(Quantity in Million Tonnes)

Availability (within India)	2013-14		Supply (within India)	2013-14				2014-15			
	Raw Coal	Lignite		Imported Coal	Total	Raw Coal	Lignite	Imported Coal	Total		
(A) Production			Sectors								
Coking Coal	56.818	57.451									
Non-coking Coal	508.947	554.984									
Lignite	44.271	48.257	Steel & Washery	16.175	0.030	36.872	53.077	22.650	0.023	43.715	66.388
Total	610.036	660.692	Power (Utility+Captive)	448.952	36.336	44.296	529.584	469.716	39.473	57.383	566.572
(B) Change of Vendible Stock (Closing - Opening)			Cement	11.936	1.489	20.520	33.945	11.362	1.269	26.583	39.214
Coking Coal	-1.624	0.582	Textile	0.360	0.733		1.093	0.419	2.887		3.306
Non-coking Coal	-5.911	3.351	Sponge Iron	18.493			18.493	14.676			14.676
Lignite	0.367	1.316	Fertilizer & Chem.	2.639	0.166		2.805	2.693	0.333		3.026
Total Change (Cl - Op)	-7.168	5.249	Paper	1.906	1.29		3.196	1.541	0.690		2.231
(C) Import			Brick	4.007	1.003		5.010	0.113	0.613		0.726
Coking Coal	36.872	43.715	Others	67.592	2.850	65.169	135.611	84.460	1.653	84.422	170.535
Non-coking Coal	129.985	168.388	Colliery Consmn.	0.425			0.425	0.576			0.576
Total Raw Coal	166.857	212.103	Total Off-take	572.485	43.897	166.857	783.239	608.206	46.941	212.103	867.250
(D) Export	2.188	1.238	Statistical Difference				-1.366				-0.942
(E) Total Availability	781.873	866.308	Total Supply				781.873				866.308

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

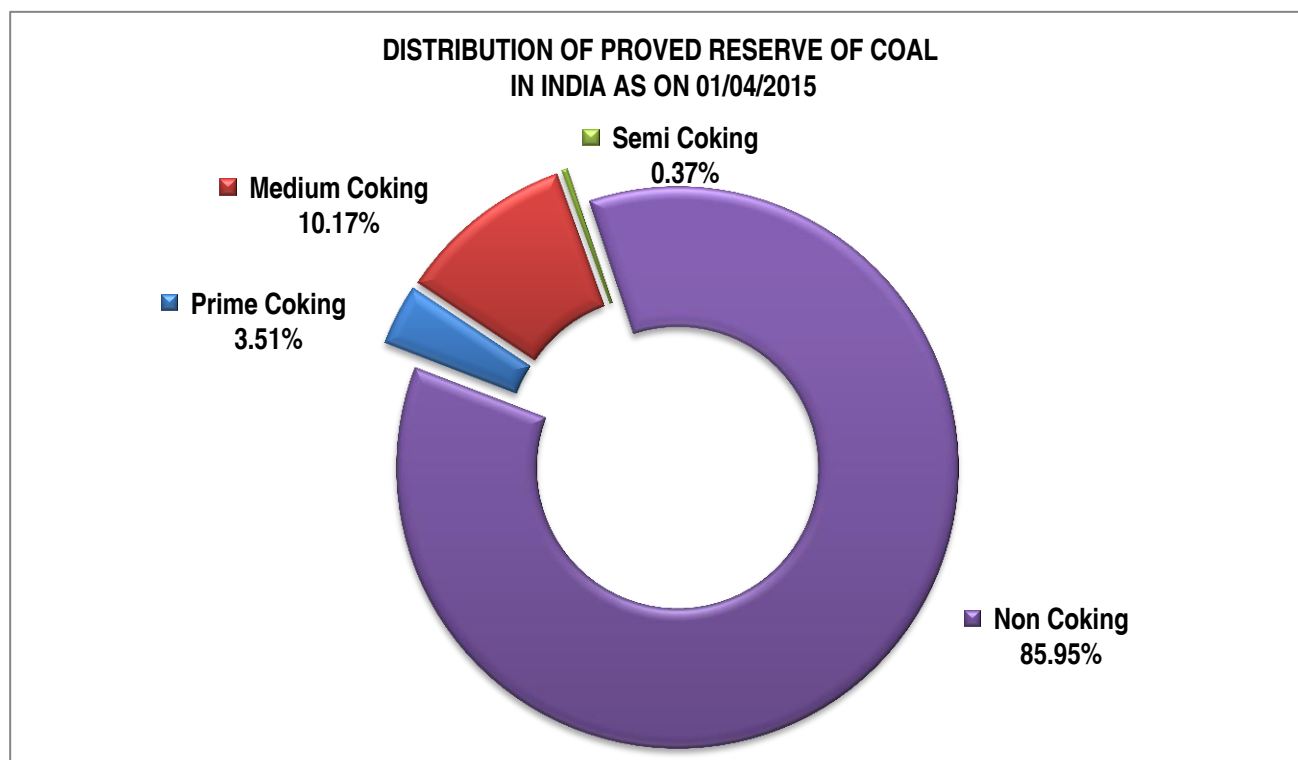
TABLE-1.5 : TOTAL PRIMARY SUPPLY (TPS) OF COAL & LIGNITE : 2005-06 to 2014-15 (Mill Tonnes)

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)
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	0.001	0.069	-0.068	1.051	1.493	0.442	46.827
	Total	602.855	145.786	2.512	143.274	75.091	64.542	-10.549	735.580
2013-14	Coal	565.766	168.439	2.153	166.286	63.049	55.178	-7.871	724.181
	Lignite	44.271	0.001	0.002	-0.001	1.493	1.860	0.367	44.637
	Total	610.037	168.440	2.155	166.285	64.542	57.038	-7.504	768.818
2014-15	Coal	612.435	212.103	1.238	210.865	55.178	59.447	4.269	827.569
	Lignite	48.257	0.001	0.003	-0.002	1.860	3.176	1.316	49.571
	Total	660.692	212.104	1.241	210.863	57.038	62.623	5.585	877.140

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

TABLE - 1.6: INVENTORY OF GEOLOGICAL RESERVE OF COAL BY TYPE AS ON 1st APRIL 2013, 2014 & 2015

Type of Coal (1)	As on (2)	Reserve (Quantity in Million Tonnes)			
		Proved (3)	Indicated (4)	Inferred (5)	Total (6)
Prime Coking	01/04/2013	4,614	699	0	5,313
	01/04/2014	4,614	699	0	5,313
	01/04/2015	4,614	699	0	5,313
Medium Coking	01/04/2013	13,269	11,893	1,879	27,041
	01/04/2014	13,303	11,867	1,879	27,049
	01/04/2015	13,389	12,114	1,879	27,382
Blendable / Semi Coking	01/04/2013	482	1,003	222	1,707
	01/04/2014	482	1,004	222	1,708
	01/04/2015	482	1,004	222	1,708
Non Coking (Including High Sulphur)	01/04/2013	1,04,816	1,29,037	30,999	2,64,852
	01/04/2014	1,07,509	1,28,937	31,047	2,67,494
	01/04/2015	1,13,129	1,29,425	29,638	2,72,192
Total	01/04/2013 *	1,23,182	1,42,632	33,100	2,98,914
	01/04/2014 *	1,25,909	1,42,506	33,148	3,01,564
	01/04/2015 *	1,31,614	1,43,241	31,739	3,06,596



* Including Sikkim

Source: Geological Survey of India

TABLE - 1.7: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2013, 2014 & 2015

(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	1/4/2013	0	4	0	4	ARUNACHAL	1/4/2013	31	40	19	90
	1/4/2014	0	4	0	4	PRADESH	1/4/2014	31	40	19	90
	1/4/2015	0	4	0	4		1/4/2015	31	40	19	90
Telangana	1/4/2013	9,604	9,554	3,049	22,207	ASSAM	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
	1/4/2015	0	1,149	432	1,581		1/4/2015	465	43	3	511
JHARKHAND	1/4/2013	41,155	32,986	6,559	80,701	MEGHALAYA	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
	1/4/2015	41,463	33,026	6,559	81,049		1/4/2015	89	17	471	576
BIHAR	1/4/2013	0	0	160	160	NAGALAND	1/4/2013	9	0	307	315
	1/4/2014	0	0	160	160		1/4/2014	9	0	307	315
	1/4/2015	0	0	160	160		1/4/2015	9	0	307	315
MADHYA PRADESH	1/4/2013	9,818	12,355	2,889	25,061	TERTIARY	1/4/2013	594	99	799	1,493
	1/4/2014	10,411	12,382	2,879	25,673	Coalfields	1/4/2014	594	99	799	1,493
	1/4/2015	10,411	12,784	3,341	26,536		1/4/2015	594	99	799	1,493
CHHATTISGARH	1/4/2013	14,779	34,107	3,283	52,169	INDIA	1/4/2013	1,23,182	1,42,633	33,100	2,98,915
	1/4/2014	16,052	33,253	3,228	52,533		1/4/2014	1,25,909	1,42,506	33,148	3,01,564
	1/4/2015	18,237	34,390	2,285	54,912		1/4/2015	1,31,614	1,43,241	31,740	3,06,596
MAHARASHTRA	1/4/2013	5,667	3,186	2,110	10,964	Singrimari coalfield of Assam (Non-Coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.					
	1/4/2014	5,667	3,186	2,110	10,964						
	1/4/2015	5,953	3,190	2,110	11,253						
ODISHA	1/4/2013	27,284	37,110	9,316	73,710						
	1/4/2014	27,791	37,873	9,408	75,073						
	1/4/2015	30,747	36,545	8,507	75,799						
SIKKIM	1/4/2013	0	58	43	101						
	1/4/2014	0	58	43	101						
	1/4/2015	0	58	43	101						
TELANGANA	1/4/2015	9,807	8,808	2,597	21,211						
UTTAR PRADESH	1/4/2013	884	178	0	1,062						
	1/4/2014	884	178	0	1,062						
	1/4/2015	884	178	0	1,062						
WEST BENGAL	1/4/2013	13,396	12,995	4,892	31,283						
	1/4/2014	13,403	13,022	4,893	31,318						
	1/4/2015	13,518	13,010	4,907	31,435						
GONDAWANA	1/4/2013	1,22,588	1,42,534	32,301	2,97,423						
	1/4/2014	1,25,315	1,42,407	32,350	3,00,072						
	1/4/2015	1,31,020	1,43,142	30,941	3,05,103						

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 2013, 2014 & 2015**

State	As on	Resources (Quantity in Million Tonnes)			
		Proved	Indicated	Inferred	Total
(2)	(1)	(3)	(4)	(5)	(6)
Gujarat	04-01-2013	1278.65	283.70	1159.70	2722.05
	04-01-2014	1278.65	283.70	1159.70	2722.05
	04-01-2015	1278.65	283.70	1159.70	2722.05
J & K	04-01-2013	0.00	20.25	7.30	27.55
	04-01-2014	0.00	20.25	7.30	27.55
	04-01-2015	0.00	20.25	7.30	27.55
Kerala	04-01-2013	0.00	0.00	9.65	9.65
	04-01-2014	0.00	0.00	9.65	9.65
	04-01-2015	0.00	0.00	9.65	9.65
Pondicherry	04-01-2013	0.00	405.61	11.00	416.61
	04-01-2014	0.00	405.61	11.00	416.61
	04-01-2015	0.00	405.61	11.00	416.61
Rajasthan	04-01-2013	1167.02	2671.93	1850.57	5689.52
	04-01-2014	1167.02	2671.93	1881.39	5720.35
	04-01-2015	1168.53	2670.84	1887.34	5726.72
Tamilnadu	04-01-2013	3735.23	22900.05	7712.43	34347.71
	04-01-2014	3735.23	22900.05	7712.43	34347.71
	04-01-2015	3735.23	22900.05	8573.62	35208.90
West Bengal	04-01-2013	0.00	1.13	1.64	2.77
	04-01-2014	0.00	1.13	1.64	2.77
	04-01-2015	0.00	1.13	1.64	2.77
All India	04-01-2013	6180.90	26282.67	10752.29	43215.86
	04-01-2014	6180.90	26282.67	10783.11	43246.68
	04-01-2015	6182.41	26281.58	11650.25	44114.24

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

TABLE: 1.9 - PERCENTAGE CHANGE IN ACTUAL OVER PROVISIONAL DURING LAST SEVEN 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	512.949	571.251	43.897
	Actual	56.818	508.947	565.765	44.271	58.464	513.596	572.06	43.897
	Change(A-P)	0.00%	0.00%	0.00%	0.00%	0.28%	0.13%	0.14%	0.00%
2014-15	Provisional	57.451	554.984	612.435	48.257	56.614	551.016	607.630	46.941
	Final								
	Change(A-P)	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%	-100.00%

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)
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	565.765	1.68	44.271	-4.70	610.036	1.19
2014-15	612.435	8.25	48.257	9.00	660.692	8.30

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)
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	15.114	3.9	56.818	10.2	508.947	0.8	565.765	1.7
2014-15	13.789	-8.8	57.451	1.1	554.984	9.0	612.435	8.2

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)
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	6.614	1.0	15.699	10.6	4.913	-10.1	3.926	2.6	12.606	7.8
2014-15	6.011	-9.1	17.294	10.2	4.721	-3.9	3.742	-4.7	14.355	13.9

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 2014-15

(Quantity in Million Tonnes)

MONTH	Coking Coal			Non-coking Coal			Raw Coal			Lignite		
	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2014-15												
Apr-14	4.667	4.0	8.1	40.739	4.5	7.3	45.406	4.4	7.4	3.884	-11.7	8.0
May-14	4.831	9.7	8.4	40.712	4.9	7.3	45.543	5.4	7.4	4.713	4.2	9.8
Jun-14	4.306	-0.5	7.5	39.502	9.5	7.1	43.808	8.4	7.2	4.258	14.5	8.8
1st Quarter	13.804	4.4	24.0	120.953	6.2	21.8	134.757	6.0	22.0	12.855	1.7	26.6
Jul-14	3.904	-10.9	6.8	38.238	7.7	6.9	42.142	5.7	6.9	3.092	22.7	6.4
Aug-14	4.132	-2.1	7.2	39.333	15.1	7.1	43.465	13.2	7.1	3.461	19.6	7.2
Sep-14	4.115	-3.0	7.2	40.005	8.8	7.2	44.120	7.6	7.2	2.923	-6.9	6.1
2nd Quarter	12.151	-5.4	21.2	117.576	10.5	21.2	129.727	8.8	21.2	9.476	10.8	19.6
Oct-14	4.553	9.4	7.9	45.171	17.1	8.1	49.724	16.4	8.1	2.940	2.0	6.1
Nov-14	4.831	8.5	8.4	49.847	15.2	9.0	54.678	14.6	8.9	3.340	16.1	6.9
Dec-14	5.017	0.6	8.7	53.353	8.2	9.6	58.370	7.5	9.5	4.122	4.8	8.5
3rd Quarter	14.401	5.9	25.1	148.371	13.2	26.7	162.772	12.5	26.6	10.402	7.3	21.6
Jan-15	5.184	-5.3	9.0	52.789	2.2	9.5	57.973	1.5	9.5	4.592	3.2	9.5
Feb-15	5.428	7.5	9.4	52.836	11.9	9.5	58.264	11.5	9.5	4.710	18.3	9.8
Mar-15	6.483	-2.2	11.3	62.459	6.5	11.3	68.942	5.6	11.3	6.222	25.6	12.9
4th Quarter	17.095	-0.3	29.8	168.084	6.7	30.3	185.179	6.0	30.2	15.524	16.0	32.2
2014-15	57.451	1.1	100.0	554.984	9.0	100.0	612.435	8.2	100.0	48.257	9.0	100.0

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

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

Cont....

TABLE 2.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL, LIGNITE & COAL PRODUCTS IN 2014-15

(Quantity in Million Tonnes)

MONTH	Washed Coal(Coking)			Washed Coal(N-coking)			Middlings(coking)			Middlings(N-coking)			Hard Coke		
	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**	Prdn	Growth*	Share**
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
2014-15															
Apr-14	0.517	-10.1	8.6	1.034	-14.2	6.0	0.341	-25.7	7.2	0.323	-10.8	8.6	1.142	15.4	8.0
May-14	0.484	-11.4	8.1	1.290	-14.1	7.5	0.326	-27.9	6.9	0.342	11.8	9.1	1.218	16.9	8.5
Jun-14	0.473	-11.9	7.9	1.375	-2.3	8.0	0.341	-24.6	7.2	0.337	-5.6	9.0	1.126	9.9	7.8
1st Quarter	1.474	-11.1	24.5	3.699	-10.1	21.4	1.008	-26.0	21.4	1.002	-2.2	26.8	3.486	14.0	24.3
Jul-14	0.471	-15.9	7.8	1.481	-4.3	8.6	0.380	-14.4	8.0	0.311	-4.0	8.3	1.193	11.5	8.3
Aug-14	0.441	-17.3	7.3	1.304	-2.0	7.5	0.367	-4.7	7.8	0.347	26.6	9.3	1.215	9.7	8.5
Sep-14	0.529	-10.5	8.8	1.365	22.3	7.9	0.382	-0.3	8.1	0.319	15.6	8.5	1.222	16.9	8.5
2nd Quarter	1.441	-14.4	24.0	4.150	3.9	24.0	1.129	-6.8	23.9	0.977	11.8	26.1	3.630	12.6	25.3
Oct-14	0.495	-9.2	8.2	1.536	23.0	8.9	0.387	17.6	8.2	0.335	2.1	9.0	1.178	12.7	8.2
Nov-14	0.501	-4.6	8.3	1.478	23.3	8.5	0.415	16.9	8.8	0.276	-10.1	7.4	1.127	9.7	7.9
Dec-14	0.521	-7.0	8.7	1.717	21.9	9.9	0.427	9.8	9.0	0.310	3.0	8.3	1.227	13.6	8.5
3rd Quarter	1.517	-6.9	25.2	4.731	22.7	27.4	1.229	14.5	26.0	0.921	-1.6	24.6	3.532	12.1	24.6
Jan-15	0.544	-3.5	9.1	1.688	40.2	9.8	0.433	-5.3	9.2	0.335	0.6	9.0	1.272	18.1	8.9
Feb-15	0.495	-10.0	8.2	1.458	24.4	8.4	0.393	-2.7	8.3	0.258	-21.1	6.9	1.161	17.3	8.1
Mar-15	0.540	2.3	9.0	1.568	15.4	9.1	0.529	30.9	11.2	0.249	-42.2	6.7	1.274	15.1	8.9
4th Quarter	1.579	-3.8	26.3	4.714	26.2	27.3	1.355	7.1	28.7	0.842	-22.8	22.5	3.707	16.8	25.8
2014-15	6.011	-9.1	100.0	17.294	10.2	100.0	4.721	-3.9	100.0	3.742	-4.7	100.0	14.355	13.9	100.0

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

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

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

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

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

(Quantity in Million Tonnes)

Year	Telangana			Assam			Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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	113.825	21.4	3.5
2011-12	52.211	9.7	1.7	0.602	0.1	-45.3	113.958	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	127.095	22.5	7.9
2014-15	52.536	8.6	4.1	0.779	0.1	17.3	134.764	22.0	6.0

Year	Jammu & Kashmir			Jharkhand			Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
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	113.091	20.0	1.6	75.590	13.4	-0.5
2014-15	0.013	0.0	-31.6	124.147	20.3	9.8	87.609	14.3	15.9

Year	Maharashtra			Meghalaya		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)
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
2014-15	38.257	6.2	2.8	5.732	0.9	0.0

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

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

Note: The state of Telangana has been formed from A.P w.e.f 02.06.2014 and the only producing company SCCL is in Telangana . So, for the whole year figures have been shown for Telangana State.

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

(Quantity in Million Tonnes)

Year	Odisha			Uttar Pradesh			West Bengal		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
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	28.244	5.0	6.7
2014-15	123.627	20.2	9.5	14.957	2.4	1.6	30.014	4.9	6.3

Year	Arunachal Pradesh			Year	ALL INDIA	
	Quantity	Share (%)	Growth (%)		Quantity	Growth (%)
(41)	(42)	(43)	(44)	(45)	(46)	(47)
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	2011-13	565.765	1.7
2014-15	0.000	0.0	0.0	2011-13	612.435	8.2

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

(Quantity in Million Tonnes)

Year	Tamilnadu			Gujarat			Rajasthan		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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	11.588	26.2	-20.2	7.627	17.2	7.7
2014-15	25.190	52.2	0.5	12.304	25.5	6.2	10.763	22.3	41.1

Year	ALL INDIA	
	Quantity	Growth (%)
(11)	(12)	(13)
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
2014-15	48.257	9.0

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

(Quantity in Million Tonnes)

State	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)
COKING					
Chhattisgarh	0.163	0.189	0.157	0.125	0.126
Jharkhand	48.945	51.108	51.065	55.088	56.435
Madhya Pradesh	0.403	0.319	0.330	0.249	0.310
West Bengal	0.036	0.044	0.030	1.356	0.580
Total Coking	49.547	51.660	51.582	56.818	57.451
NON-COKING					
Telangana	51.333	52.211	53.190	50.469	52.536
Arunachal Pradesh	0.299	0.221	0.073	0.000	0.000
Assam	1.101	0.602	0.605	0.664	0.779
Chhattisgarh	113.661	113.769	117.673	126.970	134.638
Jammu & Kashmir	0.024	0.020	0.019	0.019	0.013
Jharkhand	60.004	58.458	60.209	58.003	67.712
Madhya Pradesh	70.701	70.804	75.618	75.341	87.299
Maharashtra	39.336	39.159	39.134	37.223	38.257
Meghalaya	6.974	7.206	5.640	5.732	5.732
Odisha	102.565	105.476	110.132	112.917	123.627
Uttar Pradesh	15.526	16.178	16.090	14.721	14.957
West Bengal	21.623	24.186	26.437	26.888	29.434
Total Non-Coking	483.147	488.290	504.820	508.947	554.984

TABLE 2.9: STATEWISE PRODUCTION OF LIGNITE IN LAST FIVE YEARS

(Quantity in Million Tonnes)

State	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)	(6)
Gujarat	13.064	14.779	14.528	11.588	12.304
Rajasthan	1.525	2.963	7.081	7.627	10.763
Tamilnadu	23.144	24.590	24.844	25.056	25.190
TOTAL	37.733	42.332	46.453	44.271	48.257

Note: The state of Telangana has been formed from Andhra Pradesh w.e.f 02.06.2014 and the only producing company SCCL is in Telangana . So, for the whole year figures have been shown for Telangana State.

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

[Quantity in Million Tonnes]

Company	2012-13			2013-14			2014-15		
	Coking	Non-coking	Total	Coking	Non-coking	Total	Coking	Non-coking	Total
(1)	(5)	(6)	(7)	(8)	(9)	(10)	(8)	(9)	(10)
ECL	0.043	33.858	33.901	0.048	35.999	36.047	0.034	39.972	40.006
BCCL	26.970	4.241	31.211	30.055	2.557	32.612	30.770	3.742	34.512
CCL	16.181	31.880	48.061	18.441	31.581	50.022	19.326	36.326	55.652
NCL		70.021	70.021		68.639	68.639		72.484	72.484
WCL	0.330	41.957	42.287	0.249	39.480	39.729	0.310	40.837	41.147
SECL	0.157	118.062	118.219	0.125	124.136	124.261	0.126	128.149	128.275
MCL		107.895	107.895		110.439	110.439		121.379	121.379
NEC		0.605	0.605		0.664	0.664		0.779	0.779
CIL	43.681	408.519	452.200	48.918	413.495	462.413	50.566	443.668	494.234
SCCL		53.190	53.190		50.469	50.469		52.536	52.536
JKML		0.019	0.019		0.019	0.019		0.013	0.013
JSMDC			0.000			0		0.415	0
DVC		0.203	0.203		0.054	0.054		0.066	0.066
DVC EMTA		1.836	1.836		1.519	1.519		1.001	1.001
IISCO	0.560	0.155	0.715	0.541	0.081	0.622	0.420	0.206	0.626
APMDTCL		0.073	0.073			0.000			0.000
SAIL	0.033	0.069	0.102	0.044	0.025	0.069	0.024	0.001	0.025
WBPDC		3.266	3.266		2.606	2.606		6.221	6.221
WBMDTCL		0.348	0.348		0.726	0.726		1.042	1.042
PSEB		6.926	6.926		5.879	5.879		3.433	3.433
KPCL		2.506	2.506		2.502	2.502		2.478	2.478
RRVUNL		0.293	0.293		1.197	1.197		3.443	3.443
MPSMCL					0.005	0.005		1.500	1.500
Total Public	44.274	477.403	521.677	49.503	478.577	528.080	51.010	516.023	567.033
TISCO	7.214	0.081	7.295	6.905	0.067	6.972	6.028	0.016	6.044
Meghalaya		5.640	5.640		5.732	5.732		5.732	5.732
ICML		3.129	3.129		2.708	2.708		3.492	3.492
JSPL		5.999	5.999		5.999	5.999		5.989	5.989
HIL		2.237	2.237		2.478	2.478		2.248	2.248
MIEL		0.795	0.795		0.919	0.919		1.000	1.000
BLA		0.300	0.300		0.300	0.300		0.300	0.300
PIL		1.000	1.000		1.000	1.000		1.000	1.000
JNL		0.480	0.480		0.446	0.446		0.703	0.703
JPL		5.250	5.250		6.226	6.226		6.248	6.248
SIL		0.248	0.248		0.148	0.148		0.196	0.196
ESCL	0.094	0.005	0.099	0.410	0.051	0.461	0.413	0.023	0.436
UML		0.560	0.560		0.762	0.762		0.790	0.790
SEML		0.976	0.976		1.165	1.165		1.189	1.189
BSIL		0.062	0.062		0.081	0.081		0.031	0.031
TUML/SVSL		0.341	0.341		0.317	0.317		0.198	0.198
SPL		0.225	0.225		1.695	1.695		9.406	9.406
SOVA		0.089	0.089		0.276	0.276		0.400	0.400
Total Private	7.308	27.417	34.725	7.315	30.370	37.685	6.441	38.961	45.402
ALL INDIA	51.582	504.820	556.402	56.818	508.947	565.765	57.451	554.984	612.435
LIGNITE									
NLC			26.223			26.609			26.543
GMDCL			10.905			8.398			8.700
GIPCL			3.326			3.006			3.404
RSMML			1.387			1.428			1.405
GHCL			0.297			0.190			0.200
VSLPPL			0.815			0.890			1.005
BLMCL			3.500			3.750			7.000
ALL INDIA			46.453			44.271			48.257
COAL & LIGNITE			602.855			610.036			660.692

TABLE 2.11: BLOCK WISE PRODUCTION OF RAW COAL DURING 2014-15

[Quantity in Million Tonnes]

Captive Block	Company	State	Coking Coal	Non Coking Coal	Total Coal
Tasra	SAIL/IISCO	Jharkhand	0.024	0.001	0.025
Barjora North	DVCEMTA	West Bengal		1.001	1.001
Namchik Namphuk	APMDTCL	Arunachal Pradesh			0.000
Parsa E & Kanta Basan	RRUVNL	Chhattisgarh		3.443	3.443
Trans Damodar	WBMDTCL	West Bengal		1.042	1.042
Tara East & West	WBPDC	West Bengal		1.805	1.805
Barjore	WBPDC	West Bengal		0.210	0.210
Gangaramchak & Bhadulia	WBPDC	West Bengal		0.206	0.206
Panchwara North	WBPDC	Jharkhand		4.000	4.000
Pachwara Central	PSEB	Jharkhand		3.433	3.433
Baranj I-IV, Kiloni, Manora Deep	KPCL	Maharashtra		2.478	2.478
Amelia North	MPSMCL	Madhya Pradesh		1.500	1.500
Total Public			0.024	19.119	19.143
Ardhagram	SOVA	West Bengal		0.400	0.400
Belgaon	SIL	Maharashtra		0.196	0.196
Chotia	PIL	Chhattisgarh		1.000	1.000
Gare Palma IV/1	JSPL	Chhattisgarh		5.989	5.989
Gare Palma IV/2&3	JPL	Chhattisgarh		6.248	6.248
Gare Palma IV/4	JNL	Chhattisgarh		0.703	0.703
Gare Palma IV/5	MIEL	Chhattisgarh		1.000	1.000
Gare Palma IV/7	SEML	Chhattisgarh		1.189	1.189
Gotitoria E&W	BLA	Madhya Pradesh		0.300	0.300
Kathautia	UML	Jharkhand		0.790	0.790
Marki Mangli I	BSIL	Maharashtra		0.031	0.031
Marki Mangli II-IV	TUML/SVSL	Maharashtra		0.198	0.198
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		9.406	9.406
Parbatpur Central	ESCL	Jharkhand	0.413	0.023	0.436
Sarshatali	ICML	West Bengal		3.492	3.492
Talabira I	HIL	Odisha		2.248	2.248
Total Private			0.413	33.213	33.626
Grand Total			0.437	52.332	52.769

TABLE 2.12: STATEWISE AND COMPANYWISE PRODUCTION OF RAW COAL BY TYPES IN LAST THREE YEARS

[Quantity in Million Tonnes]

STATES	COAL COMPANY	2012-2013			2013-2014			2014-2015		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(6)	(7)	(8)	(9)	(10)	(11)	(9)	(10)	(11)
Telangana	SCCL		53.190	53.190		50.469	50.469		52.536	52.536
Arunachal Pradesh	APMDTCL		0.073	0.073		0	0		0	0
Assam	NEC		0.605	0.605		0.664	0.664		0.779	0.779
Chhattisgarh	SECL	0.157	102.880	103.037	0.125	110.018	110.143	0.126	115.066	115.192
Chhattisgarh	JSPL		5.999	5.999		5.999	5.999		5.989	5.989
Chhattisgarh	MIEL		0.795	0.795		0.919	0.919		1.000	1.000
Chhattisgarh	PIL		1.000	1.000		1.000	1.000		1.000	1.000
Chhattisgarh	JPL		5.250	5.250		6.226	6.226		6.248	6.248
Chhattisgarh	JNL		0.480	0.480		0.446	0.446		0.703	0.703
Chhattisgarh	SEML		0.976	0.976		1.165	1.165		1.189	1.189
Chhattisgarh	RRVUNL		0.293	0.293		1.197	1.197		3.443	3.443
Chhattisgarh	TOTAL	0.157	117.673	117.830	0.125	126.970	127.095	0.126	134.638	134.764
Jammu & Kashmir	JKML		0.019	0.019		0.019	0.019		0.013	0.013
Jharkhand	ECL	0.033	16.290	16.323	0.038	17.133	17.171	0.030	19.372	19.402
Jharkhand	BCCL	26.950	4.195	31.145	28.709	2.356	31.065	30.194	3.270	33.464
Jharkhand	CCL	16.181	31.880	48.061	18.441	31.581	50.022	19.326	36.326	55.652
Jharkhand	JSMDCL		0	0		0	0		0	0
Jharkhand	DVC		0.203	0.203		0.054	0.054		0.066	0.066
Jharkhand	IISCO CJ	0.560		0.560	0.541		0.541	0.420		0.420
Jharkhand	TISCO	7.214	0.081	7.295	6.905	0.067	6.972	6.028	0.016	6.044
Jharkhand	PSEB		6.926	6.926		5.879	5.879		3.433	3.433
Jharkhand	UML		0.560	0.560		0.762	0.762		0.790	0.790
Jharkhand	ESCL	0.094	0.005	0.099	0.410	0.051	0.461	0.413	0.023	0.436
Jharkhand	SAIL	0.033	0.069	0.102	0.044	0.025	0.069	0.024	0.001	0.025
Jharkhand	WBPDCL					0.095	0.095		4.000	4.000
Jharkhand	TOTAL	51.065	60.209	111.274	55.088	58.003	113.091	56.435	67.712	124.147
Madhya Pradesh	NCL		53.931	53.931		53.918	53.918		57.527	57.527
Madhya Pradesh	WCL	0.330	5.980	6.310	0.249	5.305	5.554	0.310	5.483	5.793
Madhya Pradesh	SECL		15.182	15.182		14.118	14.118		13.083	13.083
Madhya Pradesh	BLA		0.300	0.300		0.300	0.300		0.300	0.300
Madhya Pradesh	SPL		0.225	0.225		1.695	1.695		9.406	9.406
Madhya Pradesh	MPSMCL					0.005	0.005		1.500	1.500
Madhya Pradesh	TOTAL	0.330	75.618	75.948	0.249	75.341	75.590	0.310	87.299	87.609
Maharashtra	WCL		35.977	35.977		34.175	34.175		35.354	35.354
Maharashtra	SIL		0.248	0.248		0.148	0.148		0.196	0.196
Maharashtra	BSIL		0.062	0.062		0.081	0.081		0.031	0.031
Maharashtra	KPCL		2.506	2.506		2.502	2.502		2.478	2.478
Maharashtra	TUML/SVSL		0.341	0.341		0.317	0.317		0.198	0.198
Maharashtra	TOTAL	0.000	39.134	39.134	0.000	37.223	37.223	0.000	38.257	38.257
Meghalaya	MEG		5.640	5.640		5.732	5.732		5.732	5.732
Odisha	MCL		107.895	107.895		110.439	110.439		121.379	121.379
Odisha	HIL		2.237	2.237		2.478	2.478		2.248	2.248
Odisha	TOTAL		110.132	110.132		112.917	112.917		123.627	123.627
Uttar Pradesh	NCL		16.090	16.090		14.721	14.721		14.957	14.957
West Bengal	ECL	0.010	17.568	17.578	0.010	18.866	18.876	0.004	20.600	20.604
West Bengal	BCCL	0.020	0.046	0.066	1.346	0.201	1.547	0.576	0.472	1.048
West Bengal	IISCOR		0.155	0.155		0.081	0.081		0.206	0.206
West Bengal	ICML		3.129	3.129		2.708	2.708		3.492	3.492
West Bengal	WBPDCL	0.000	3.266	3.266		2.511	2.511		2.221	2.221
West Bengal	DVC EMTA		1.836	1.836		1.519	1.519		1.001	1.001
West Bengal	WBMDTCL		0.348	0.348		0.726	0.726		1.042	1.042
West Bengal	SOVA		0.089	0.089		0.276	0.276		0.400	0.400
West Bengal	TOTAL	0.030	26.437	26.467	1.356	26.888	28.244	0.580	29.434	30.014
Total Public		44.274	477.403	521.677	49.503	478.577	528.080	51.010	516.023	567.033
Total Private	TOTAL	7.308	27.417	34.725	7.315	30.370	37.685	6.441	38.961	45.402
All India		51.582	504.820	556.402	56.818	508.947	565.765	57.451	554.984	612.435

Note: The state of Telangana has been formed from A.P w.e.f 02.06.2014 and the only producing company SCCL is in Telangana .

So, for the whole year figures have been shown for Telangana State.

TABLE 2.13: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2014-15
(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			0.004			0.030			0.004	0.030	0.034
BCCL	0.050	0.456		0.115	1.169	7.659	21.321		2.278	28.492	30.770
CCL					0.508	3.481	15.337		4.312	15.014	19.326
NCL										0.000	0.000
WCL					0.310				0.310	0.000	0.310
SECL			0.126							0.126	0.126
MCL										0.000	0.000
NEC										0.000	0.000
CIL	0.050	0.456	0.130	0.115	1.987	11.170	36.658	0.000	6.904	43.662	50.566
SCCL											0.000
JKML											0.000
JSMDCL											0.000
DVC											0.000
DVC EMTA											0.000
IISCO						0.092	0.328		0.420	0.000	0.420
SAIL							0.024		0.024	0.000	0.024
APMDTCL											0.000
RRUVNL											0.000
WBMDTCL											0.000
WBPDCCL											0.000
PSEB											0.000
KPCL											0.000
MPSMCL											0.000
PUBLIC	0.050	0.456	0.130	0.115	1.987	11.262	37.010	0.000	7.348	43.662	51.010
TISCO					0.241	0.909	4.878	0.000	6.028	0.000	6.028
Meghalaya											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						0.328	0.085		0.413	0.000	0.413
UML											0.000
SEML											0.000
BSIL											0.000
TUML											0.000
SPL											0.000
SOVA											0.000
PRIVATE	0.000	0.000	0.000	0.000	0.241	1.237	4.963	0.000	6.441	0.000	6.441
GRAND TOTAL	0.050	0.456	0.130	0.115	2.228	12.499	41.973	0.000	13.789	43.662	57.451

TABLE 2.14: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2014-15

(I (Quantity in Million Tonnes)

Companies	NON-COKING COAL GRADE																		Total N-coking	Total Coal	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	UNG			
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	
ECL	0.090	1.478	14.138	4.772	1.495	2.086	0.130						15.783							39.972	40.006
BCCL	0.038	0.219	0.051	0.044	2.068	1.220	0.047	0.055												3.742	34.512
CCL			0.051	1.753	0.759	0.710	4.725	13.678	8.272	6.378										36.326	55.652
NCL				0.913	0.202	17.506	9.993		43.109					0.761						72.484	72.484
WCL			0.009	0.409	1.360	2.941	8.661	25.694	1.763											40.837	41.147
SECL		3.771	3.718	5.659	8.301	3.896	1.243	0.807	0.846	89.903	10.005									128.149	128.275
MCL				0.100			0.149	1.027	0.410	8.528	63.002	48.163								121.379	121.379
NEC	0.216	0.438		0.125																0.779	0.779
CIL	0.216	0.566	5.468	18.092	13.650	14.185	28.359	24.948	41.261	54.400	104.809	73.007	63.946	0.761	0.000	0.000	0.000	0.000	0.000	443.668	494.234
SCCL					0.740		7.424	1.458	9.864	1.543	15.867	0.347	12.115	0.090	1.804	0.813	0.365	0.106		52.536	52.536
JKML																	0.013			0.013	0.013
JSMDCI													0.415							0.415	0.415
DVC				0.066																0.066	0.066
DVC EMTA						0.3	0.701													1.001	1.001
IISCO				0.042		0.164														0.206	0.626
SAIL														0.001						0.001	0.025
APMDTCL																				0.000	0.000
RRUVNL											3.443									3.443	3.443
WBMDTCL				0.787	0.255															1.042	1.042
WBPDCI				0.210		6.011														6.221	6.221
PSEB						1.202	1.716	0.515												3.433	3.433
KPCL								2.478												2.478	2.478
MPSMCL											1.500									1.500	1.500
PUBLIC	0.216	0.566	5.468	19.197	14.645	21.862	38.200	29.399	51.125	55.943	125.619	73.769	76.062	0.851	1.804	0.813	0.378	0.106	0.000	516.023	567.033
TISCO					0.002		0.007						0.007							0.016	6.044
Meghalaya	5.732																			5.732	5.732
ICML											3.492									3.492	3.492
JSPL													1.374		2.022		2.593			5.989	5.989
HIL													1.506	0.742						2.248	2.248
MIL							0.500						0.500							1.000	1.000
BLA							0.012	0.158		0.130										0.300	0.300
CML																				0.000	0.000
PIL									1.000											1.000	1.000
JNL									0.075	0.361	0.267									0.703	0.703
JPL													1.331	3.103	1.814					6.248	6.248
SIL								0.196												0.196	0.196
ESCL																			0.023	0.023	0.436
UML						0.790														0.790	0.790
SEML													0.649	0.358					0.182	1.189	1.189
BSIL													0.031							0.031	0.031
TUML												0.198								0.198	0.198
SPL										7.978	1.428									9.406	9.406
SOVA							0.261	0.139												0.400	0.400
PRIVATE	5.732	0.000	0.000	0.000	0.000	0.792	0.012	0.926	1.410	8.469	5.385	5.398	0.000	4.203	2.022	1.814	2.798	0.000	0.000	38.961	45.402
GRAND TOTAL	5.948	0.566	5.468	19.197	14.645	22.654	38.212	30.325	52.535	64.412	131.004	79.167	76.062	5.054	3.826	2.627	3.176	0.106	0.000	554.984	612.435

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

(Quantity in Million Tonnes)

YEAR	Open Cast					Under Ground					All India Raw Coal	
	Production			OC Share (%) in All India Total	OC Growth (%) (All India)	Production			UG Share (%) in All India Total	UG Growth (%) (All India)	Production	Growth (%)
	CIL	SCCL	All India			CIL	SCCL	All India				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
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	516.116	91.22	2.36	36.113	10.548	49.649	8.78	-4.90	565.765	1.68
2014-15	459.191	42.333	563.970	92.09	9.27	35.043	10.203	48.465	7.91	-2.38	612.435	8.25

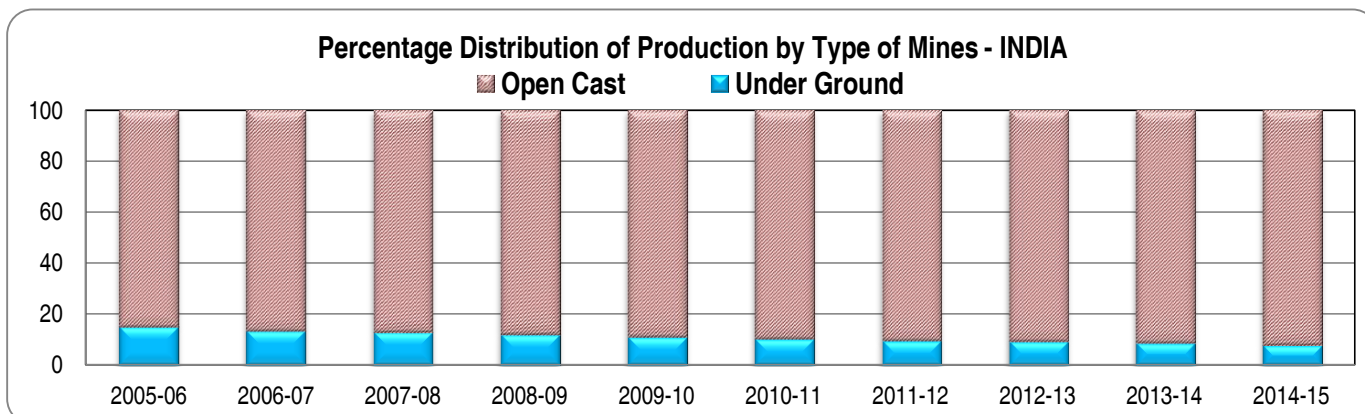
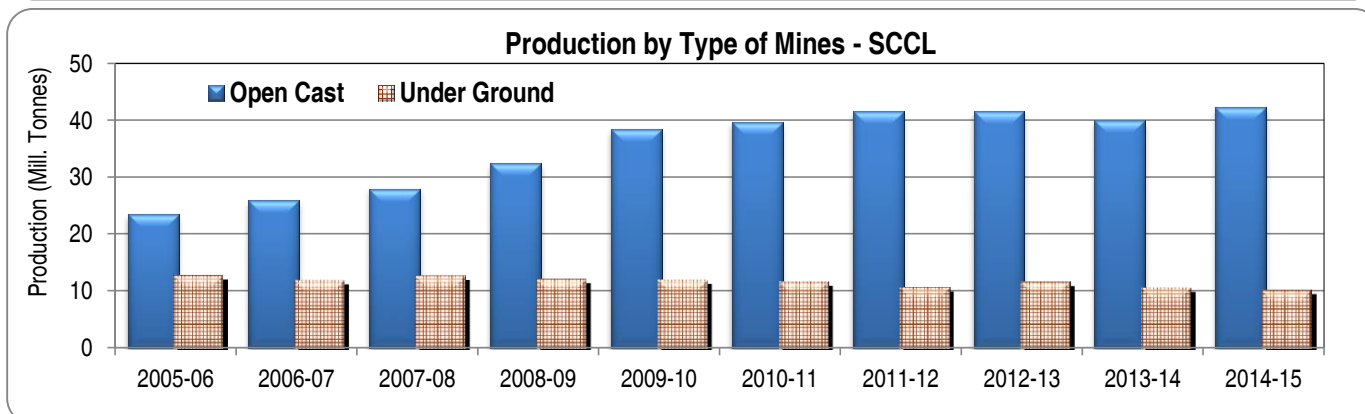
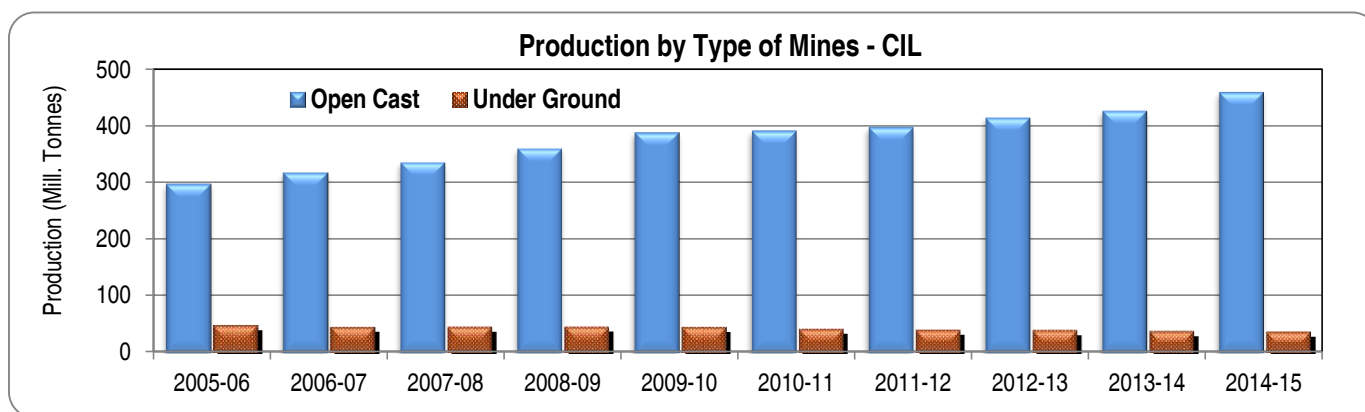


TABLE 2.16 : COMPANY WISE PRODUCTION OF RAW COAL FROM OPENCAST AND UNDER GROUND MINES IN TWO YEARS

(Quantity in Million Tonnes)

COMPANIES	Y E A R 2013 - 2014						Y E A R 2014 - 2015					
	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	29.176	80.94	7.85	6.871	19.06	0.32	32.714	81.77	12.13	7.292	18.23	6.13
BCCL	29.908	91.71	6.59	2.704	8.29	-14.24	32.483	94.12	8.61	2.029	5.88	-24.96
CCL	49.066	98.09	4.31	0.956	1.91	-6.64	54.811	98.49	11.71	0.841	1.51	-12.03
NCL	68.639	100.00	-1.97				72.484	100.00	5.60			
WCL	31.999	80.54	-6.13	7.730	19.46	-5.73	33.581	81.61	4.94	7.566	18.39	-2.12
SECL	107.845	86.79	6.41	16.416	13.21	-2.69	112.239	87.50	4.07	16.036	12.50	-2.31
MCL	109.006	98.70	2.63	1.433	1.30	-14.65	120.103	98.95	10.18	1.276	1.05	-10.96
NEC	0.661	99.55	9.80	0.003	0.45	0.00	0.776	99.61	17.40	0.003	0.39	0.00
CIL	426.300	92.19	2.87	36.113	7.81	-4.40	459.191	92.91	7.72	35.043	7.09	-2.96
SCCL	39.921	79.10	-4.02	10.548	20.90	-9.05	42.333	80.58	6.04	10.203	19.42	-3.27
JKML				0.019	100.00	0.00	0.000			0.013	100.00	-31.58
DVC	0.054	100.00	-73.40				0.066	100.00	22.22			
IISCO	0.433	69.61	-28.31	0.189	30.39	70.27	0.360	57.51	-16.86	0.266	42.49	40.74
SAIL	0.069	100.00	-32.35				0.025	100.00	-63.77			
JSMDC							0.415	100.00				
DVCEMTA	1.519	100.00	-17.27				1.001	100.00	-34.10			
APMDTCL												
RRVUNL	1.197	100.00	308.53				3.443	100.00	187.64			
WBMDTCL	0.726	100.00	108.62				1.042	100.00	43.53			
WBPDC	2.606	100.00	-20.21				6.221	100.00	138.72			
PSEB	5.879	100.00	-15.12				3.433	100.00	-41.61			
KPCL	2.502	100.00	-0.16				2.478	100.00	-0.96			
MPSMCL	0.005	100.00	0.00				1.500	100.00	0.00			
PUBLIC	481.211	91.12	1.91	46.869	8.88	-5.32	521.508	91.97	8.37	45.525	8.03	-2.87
TISCO	5.604	80.38	-5.31	1.368	19.62	-0.65	4.716	78.03	-15.85	1.328	21.97	-2.92
Meghalaya	5.732	100.00	1.63				5.732	100.00	0.00			
ICML	2.708	100.00	-13.45				3.492	100.00	28.95			
JSPL	5.999	100.00	0.00				5.989	100.00	-0.17			
HIL	2.478	100.00	10.77				2.248	100.00	-9.28			
MIEL				0.919	100.00	15.60				1.000	100.00	8.81
BLA	0.300	100.00	0.00				0.300	100.00	0.00			
PIL	1.000	100.00	0.00				1.000	100.00	0.00			
JNL	0.166	37.22	-17.00	0.280	62.78	0.00	0.342	48.65	106.02	0.361	51.35	28.93
JPL	6.226	100.00	18.59				6.248	100.00	0.35			
SIL				0.148	100.00	-40.32				0.196	100.00	32.43
UML	0.762	100.00	36.07				0.790	100.00	3.67			
ESCL	0.396	85.90	312.50	0.065	14.10	2066.67	0.381	87.39	-3.79	0.055	12.61	-15.38
SEML	1.165	100.00	19.36				1.189	100.00	2.06			
BSIL	0.081	100.00	30.65				0.031	100.00	-61.73			
TUML-SVSL	0.317	100.00	-7.04				0.198	100.00	-37.54			
SPL	1.695	100.00	653.33				9.406	100.00	454.93			
SOVA	0.276	100.00	210.11				0.400	100.00	44.93			
PRIVATE	34.905	92.62	70.57	2.780	7.38	109.65	42.462	93.52	21.65	2.940	6.48	5.76
India (13-14)	516.116	91.22	4.77	49.649	8.78	-2.32	563.970	92.09	9.27	48.465	7.91	-2.38

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

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

(Quantity in Million Tonnes)

Year	OMS (OPEN CAST)		OMS (UNDER GROUND)		OMS (OVERALL)	
	CIL	SCCL	CIL	SCCL	CIL	SCCL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
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	13.16	11.10	0.76	1.12	5.79	3.86
2014-15	13.06	12.14	0.78	1.10	6.19	4.20

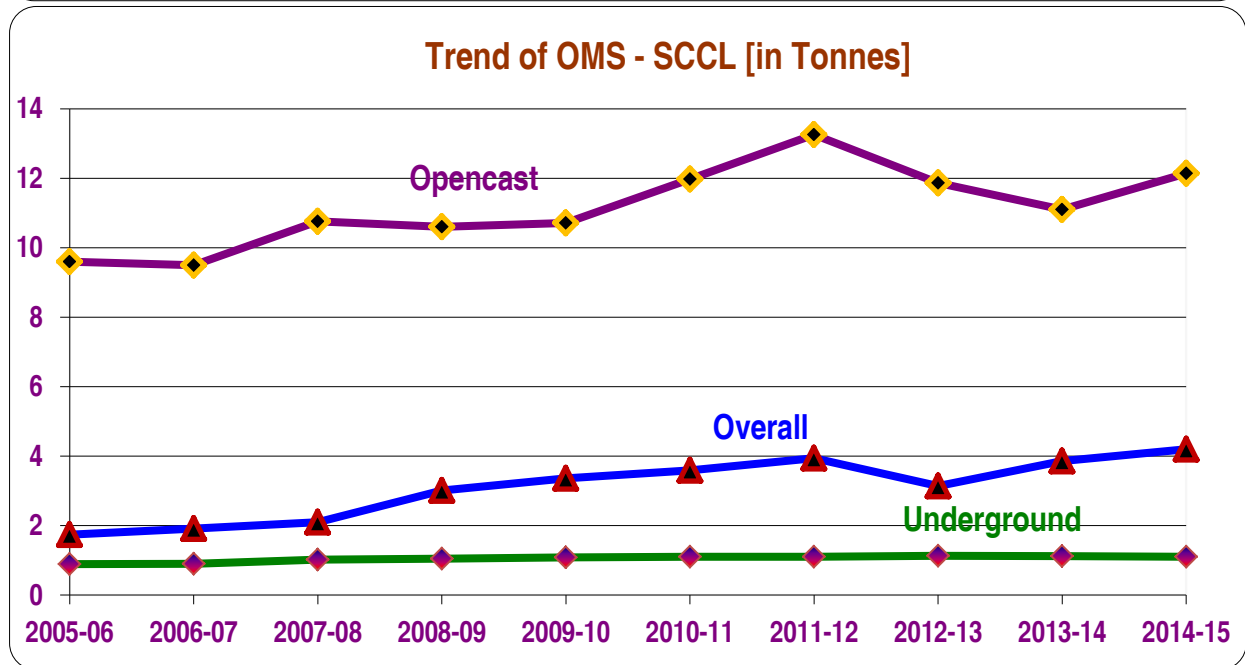
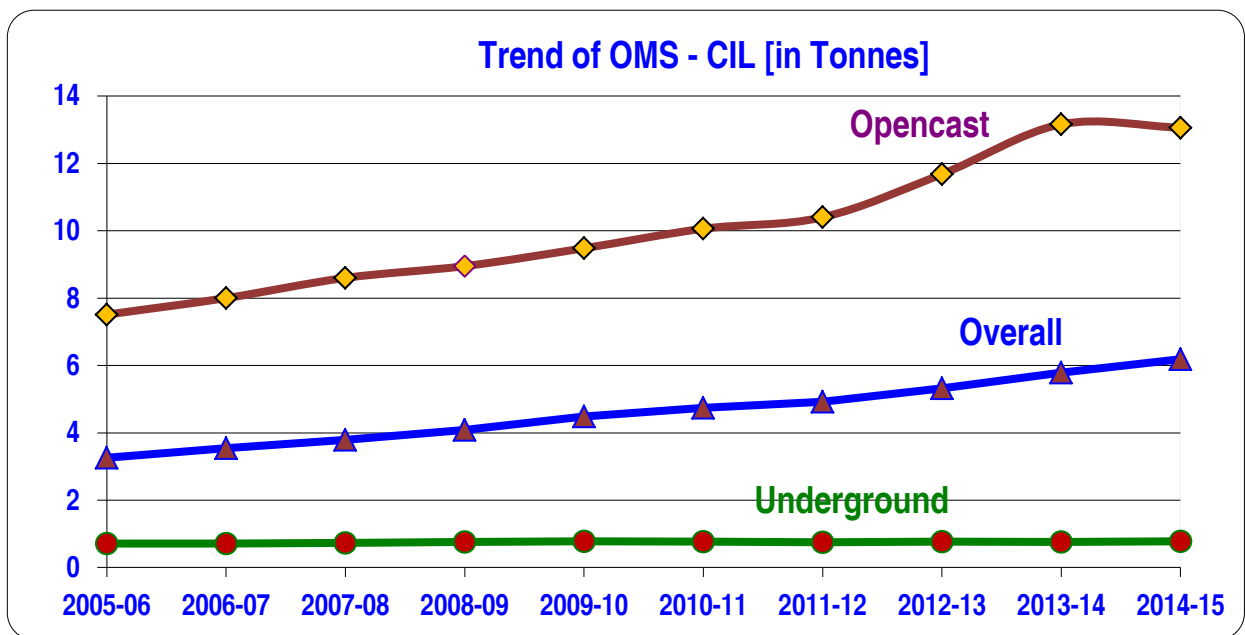


TABLE 2.18 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2012-2013			2013-2014			2014-2015		
		Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)	Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)	Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)
(1)	(2)	(6)	(7)	(8)	(9)	(10)	(11)	(9)	(10)	(11)
ECL	OC	27.052	2.660	10.17	29.176	2.662	11.30	32.714	2.699	12.12
BCCL	OC	28.058	3.376	8.31	29.908	3.190	9.38	32.483	3.533	9.19
CCL	OC	47.037	7.720	6.09	49.066	6.886	6.26	54.811	7.252	7.56
NCL	OC	70.021	4.351	13.65	68.639	4.450	13.78	72.484	5.268	13.76
WCL	OC	34.087	6.778	5.03	31.999	6.228	5.14	33.581	5.860	5.72
SECL	OC	101.350	5.263	19.26	107.845	5.028	19.26	112.239	4.741	23.55
MCL	OC	106.216	4.946	21.34	109.006	3.523	22.16	120.103	5.433	22.11
NEC	OC	0.602	0.341	1.76	0.661	0.315	2.10	0.776	0.368	2.11
CIL	OC	414.423	35.435	11.68	426.300	32.282	13.16	459.191	35.154	13.06
SCCL	OC	41.593	2.714	11.87	39.921	2.662	11.10	42.333	2.700	12.14
ECL	UG	6.849	14.780	0.46	6.871	14.304	0.48	7.292	13.658	0.53
BCCL	UG	3.153	9.073	0.35	2.704	8.654	0.31	2.029	7.894	0.26
CCL	UG	1.024	3.150	0.33	0.956	2.931	0.33	0.841	2.940	0.29
NCL	UG							0.000	0.000	0.00
WCL	UG	8.200	7.472	1.10	7.730	7.200	1.07	7.566	6.723	1.13
SECL	UG	16.869	12.322	1.37	16.416	12.155	1.37	16.036	11.562	1.39
MCL	UG	1.679	1.726	0.97	1.433	1.726	0.84	1.276	1.666	0.77
NEC	UG	0.003	0.305	0.01	0.003	0.279	0.01	0.003	0.235	0.01
CIL	UG	37.777	48.828	0.77	36.113	47.249	0.76	35.043	44.678	0.78
SCCL	UG	11.597	9.831	1.13	10.548	9.831	1.12	10.203	8.371	1.10
ECL	ALL	33.901	17.440	1.94	36.047	16.966	2.13	40.006	16.357	2.45
BCCL	ALL	31.211	12.449	2.50	32.612	11.844	2.74	34.512	11.427	3.02
CCL	ALL	48.061	10.870	4.42	50.022	9.817	4.64	55.652	10.192	5.46
NCL	ALL	70.021	4.351	13.65	68.639	4.450	13.78	72.484	5.268	13.76
WCL	ALL	42.287	14.250	2.97	39.729	13.428	2.96	41.147	12.583	2.96
SECL	ALL	118.219	17.585	6.72	124.261	17.183	6.72	128.275	16.303	7.83
MCL	ALL	107.895	6.672	16.07	110.439	5.249	16.69	121.379	7.099	16.69
NEC	ALL	0.605	0.646	0.94	0.664	0.594	1.12	0.779	0.603	1.29
CIL	ALL	452.200	84.263	5.32	462.413	79.531	5.79	494.234	79.832	6.19
SCCL	ALL	53.190	12.545	3.14	50.469	12.493	3.86	52.536	11.071	4.20

* Reported by SCCL.

TABLE 2.19 : COMPANYWISE OVER BURDEN REMOVAL AND STRIPPING RATIO IN REVENUE MINES IN LAST THREE YEARS

(OBR in Million Cubic Meter, Coal Production in Million Tonnes)

COMPANIES	2012 - 2013			2013 - 2014			2014 - 2015		
	Over Burden Removal	Production (OC)	Stripping Ratio	Over Burden Removal	Production (OC)	Stripping Ratio	Over Burden Removal	Production (OC)	Stripping Ratio
(1)	(5)	(6)	(7)	(8)	(9)	(10)	(8)	(9)	(10)
ECL	76.448	27.052	2.83	85.757	29.176	2.94	91.015	32.714	2.78
BCCL	84.259	28.058	3.00	85.410	29.908	2.86	103.901	32.483	3.20
CCL	63.308	47.037	1.35	59.022	49.066	1.20	97.378	54.811	1.78
NCL	195.706	70.021	2.79	208.787	68.639	3.04	210.614	72.484	2.91
WCL	113.685	34.087	3.34	120.076	31.999	3.75	122.914	33.581	3.66
SECL	118.202	101.350	1.17	144.875	107.845	1.34	158.268	112.239	1.41
MCL	90.421	106.216	0.85	96.028	109.006	0.88	89.221	120.103	0.74
NEC	4.730	0.602	7.86	6.584	0.661	9.96	10.189	0.776	13.13
CIL	746.759	414.423	1.80	806.539	426.300	1.89	883.500	459.191	1.92
SCCL	175.841	41.593	4.23	168.776	39.921	4.23	262.820	42.333	6.21
JKML									
DVC	0.058	0.203	0.29	0.015	0.054	0.28	0.131	0.066	1.98
IISCO	2.988	0.604	4.95	1.540	0.433	3.56	1.191	0.360	3.31
SAIL	0.204	0.102	2.00	0.079	0.069	1.14	0.029	0.025	1.16
JSMDC							1.161	0.415	2.80
DVC EMTA	6.564	1.836	3.58	6.316	1.519	4.16	6.342	1.001	6.34
APMDTCL	2.181	0.073	29.88						
RRVUNL	3.908	0.293	13.34	4.924	1.197	4.11	3.836	3.443	1.11
WBMDTCL	2.921	0.348	8.39	2.879	0.726	3.97	2.879	1.042	2.76
WBPDC	14.325	3.266	4.39	13.323	2.606	5.11	14.312	6.221	2.30
PSEB	13.420	6.926	1.94	21.877	5.879	3.72	5.798	3.433	1.69
KPCL	8.575	2.506	3.42	8.716	2.502	3.48	6.631	2.478	2.68
MPSMCL				1.746	0.005	349.20	9.050	1.500	6.03
PUBLIC	977.744	472.173	2.07	1036.730	481.211	2.15	1197.680	521.508	2.30
TISCO	25.795	5.918	4.36	22.242	5.604	3.97	19.845	4.716	4.21
Meghalaya		5.640	0.00		5.732	0.00	0.000	5.732	0.00
ICML	9.117	3.129	2.91	8.172	2.708	3.02	8.854	3.492	2.54
JSPL	7.996	5.999	1.33	8.778	5.999	1.46	9.241	5.989	1.54
HIL	1.712	2.237	0.77	2.168	2.478	0.87	2.393	2.248	1.06
MIEL									
BLA	1.621	0.300	5.40	1.440	0.300	4.80	0.882	0.300	2.94
CML									
PIL	8.075	1.000	8.08	7.994	1.000	7.99	5.200	1.000	5.20
JNL	0.520	0.200	2.60	0.861	0.166	5.19	2.062	0.342	6.03
JPL	11.943	5.250	2.27	12.347	6.226	1.98	9.275	6.248	1.48
SIL					0.000				
UML	5.061	0.560	9.04	8.256	0.762	10.83	5.127	0.790	6.49
ESCL	2.587	0.096	26.95	4.092	0.396	10.33	4.092	0.381	10.74
SEML	2.295	0.976	2.35	2.138	1.165	1.84	3.004	1.189	2.53
BSIL	0.488	0.062	7.87	0.488	0.081	6.02	0.145	0.031	4.68
TUML-SVSL	1.367	0.341	4.01	0.916	0.317	2.89	0.613	0.198	3.10
SPL	2.119	0.225	9.42	19.927	1.695	11.76	30.505	9.406	3.24
SOVA	0.434	0.089	4.88	1.148	0.276	4.16	0.946	0.400	2.37
PRIVATE	81.130	32.022	3.08	100.967	34.905	3.46	102.184	42.462	2.78
INDIA	1058.874	504.195	2.12	1137.697	516.116	2.23	1299.864	563.970	2.33

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)
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	572.060	0.87	43.897	-5.22	615.957	0.41
2014-15	607.630	6.22	46.941	6.93	654.571	6.27

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)
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	15.236	2.95	58.464	4.66	513.596	0.45	572.060	0.87
2014-15	13.381	-12.18	56.614	-3.16	551.016	7.29	607.630	6.22

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)
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	6.645	0.47	15.454	8.55	4.894	-9.42	3.854	-25.66	12.707	2.24
2014-15	6.007	-9.60	16.999	10.00	4.928	0.69	4.493	16.58	13.919	9.54

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 RAW COAL AND LIGNITE IN 2014-15

(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-14	5.116	9.2	9.04	44.924	2.2	8.15	50.040	2.9	8.24	4.600	7.0	9.80
May-14	5.253	7.8	9.28	44.955	7.7	8.16	50.208	7.7	8.26	4.698	5.4	10.01
Jun-14	4.752	0.1	8.39	42.904	5.4	7.79	47.656	4.9	7.84	3.979	10.0	8.48
1st Quarter	15.121	5.7	26.71	132.783	5.0	24.10	147.904	5.1	24.34	13.277	7.3	28.28
Jul-14	4.409	-14.7	7.79	43.246	7.3	7.85	47.655	4.8	7.84	3.650	13.8	7.78
Aug-14	4.556	-3.4	8.05	41.967	12.8	7.62	46.523	11.0	7.66	3.512	20.2	7.48
Sep-14	4.311	-6.0	7.61	40.104	3.2	7.28	44.415	2.2	7.31	3.198	1.8	6.81
2nd Quarter	13.276	-8.3	23.45	125.317	7.7	22.74	138.593	5.9	22.81	10.360	11.8	22.07
Oct-14	4.355	4.4	7.69	44.351	14.9	8.05	48.706	13.9	8.02	3.114	3.8	6.63
Nov-14	4.506	-3.9	7.96	47.168	10.8	8.56	51.674	9.4	8.50	3.370	17.3	7.18
Dec-14	4.569	-10.3	8.07	50.516	7.5	9.17	55.085	5.7	9.07	3.910	4.7	8.33
3rd Quarter	13.430	-3.7	23.72	142.035	10.8	25.78	155.465	9.4	25.59	10.394	8.2	22.14
Jan-15	4.552	-15.7	8.04	50.183	3.2	9.11	54.735	1.3	9.01	4.237	-4.5	9.03
Feb-15	4.805	-1.8	8.49	47.856	8.0	8.69	52.661	7.0	8.67	4.218	9.6	8.99
Mar-15	5.430	-0.2	9.59	52.842	6.2	9.59	58.272	5.6	9.59	4.455	2.2	9.49
4th Quarter	14.787	-6.0	26.12	150.881	5.7	27.38	165.668	4.6	27.26	12.910	2.1	27.50
Yr. 2014-15	56.614	-3.2	100.00	551.016	7.3	100.00	607.630	6.2	100.00	46.941	6.9	100.00

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

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

Contd....

TABLE 3.5: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL PRODUCTS IN 2014-15

(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-14	0.520	-10.7	8.66	1.230	-4.9	7.24	0.297	-35.2	6.03	0.398	26.3	8.86	1.123	13.4	8.07
May-14	0.470	-17.0	7.82	1.451	-5.7	8.54	0.338	-19.9	6.86	0.467	29.7	10.39	1.166	11.3	8.38
Jun-14	0.481	-12.1	8.01	1.288	-14.0	7.58	0.427	-1.4	8.66	0.424	33.8	9.44	1.065	3.0	7.65
1st Quarter	1.471	-13.2	24.49	3.969	-8.3	23.35	1.062	-19.1	21.55	1.289	29.9	28.69	3.354	9.2	24.10
Jul-14	0.489	-13.5	8.14	1.495	-0.6	8.79	0.371	-18.6	7.53	0.399	65.6	8.88	1.178	8.0	8.46
Aug-14	0.461	-12.0	7.67	1.351	7.3	7.95	0.423	15.9	8.58	0.297	17.9	6.61	1.166	3.9	8.38
Sep-14	0.514	-12.6	8.56	1.308	22.8	7.69	0.388	1.0	7.87	0.458	79.6	10.19	1.208	10.7	8.68
2nd Quarter	1.464	-12.7	24.37	4.154	8.5	24.44	1.182	-1.9	23.99	1.154	54.3	25.68	3.552	7.5	25.52
Oct-14	0.517	-6.3	8.61	1.466	23.3	8.62	0.415	13.4	8.42	0.630	65.4	14.02	1.106	5.6	7.95
Nov-14	0.490	-5.6	8.16	1.437	18.7	8.45	0.415	7.8	8.42	0.459	-1.1	10.22	1.113	5.4	8.00
Dec-14	0.521	-8.9	8.67	1.486	9.3	8.74	0.423	3.4	8.58	0.251	-14.0	5.59	1.202	11.5	8.64
3rd Quarter	1.528	-7.0	25.44	4.389	16.7	25.82	1.253	8.0	25.43	1.340	17.9	29.82	3.421	7.5	24.58
Jan-15	0.523	-6.8	8.71	1.536	14.7	9.04	0.457	3.6	9.27	0.213	-26.8	4.74	1.236	13.5	8.88
Feb-15	0.484	-6.9	8.06	1.370	19.0	8.06	0.374	2.2	7.59	0.202	-28.4	4.50	1.112	15.1	7.99
Mar-15	0.537	-2.2	8.94	1.581	51.0	9.30	0.600	46.7	12.18	0.295	-27.0	6.57	1.244	13.6	8.94
4th Quarter	1.544	-5.3	25.70	4.487	26.9	26.40	1.431	17.7	29.04	0.710	-27.3	15.80	3.592	14.0	25.81
Yr. 2014-15	6.007	-9.6	100.00	16.999	10.0	100.00	4.928	0.7	100.00	4.493	16.6	100.00	13.919	9.5	100.00

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

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

(3) All the above figures of Washed Coal & Middling relate to coal companies[won washery].

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

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

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

(Quantity in Million Tonnes)

Year	Telangana			Assam			Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2005-06	35.321	8.93	1.77	1.170	0.30	105.99	74.997	18.96	6.90
2006-07	37.487	8.93	6.13	1.182	0.28	1.03	80.526	19.18	7.37
2007-08	41.793	9.21	11.49	1.200	0.26	1.52	90.792	20.02	12.75
2008-09	44.410	9.08	6.26	0.835	0.17	-30.42	103.022	21.06	13.47
2009-10	49.266	9.59	10.93	1.071	0.21	28.26	106.921	20.81	3.78
2010-11	50.046	9.56	1.58	1.102	0.21	2.89	109.562	20.93	2.47
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	8.37	-7.94	0.577	0.10	-6.63	124.674	21.79	2.99
2014-15	52.662	8.67	9.96	0.733	0.12	27.04	129.392	21.29	3.78

Year	Jammu & Kashmir			Jharkhand			Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2005-06	0.020	0.01	-25.93	79.669	20.14	4.00	54.949	13.89	6.31
2006-07	0.014	0.00	-30.00	84.292	20.08	5.80	59.996	14.29	9.18
2007-08	0.016	0.00	14.29	88.898	19.60	5.46	68.344	15.07	13.91
2008-09	0.012	0.00	-25.00	95.414	19.51	7.33	72.042	14.73	5.41
2009-10	0.017	0.00	41.67	99.863	19.44	4.66	73.481	14.30	2.00
2010-11	0.025	0.00	47.06	106.637	20.37	6.78	69.443	13.27	-5.50
2011-12	0.023	0.00	-8.00	109.792	20.51	2.96	69.560	12.99	0.17
2012-13	0.014	1.00	-39.13	119.276	21.03	8.64	60.411	10.65	-13.15
2013-14	0.013	2.00	-7.14	116.798	20.42	-2.08	63.096	11.03	4.44
2014-15	0.013	2.00	0.00	122.687	20.19	5.04	74.242	12.22	17.67

Year	Maharashtra			Meghalaya			Odisha		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2005-06	34.792	8.80	3.79	5.566	1.41	3.97	69.136	17.48	3.53
2006-07	35.508	8.46	2.06	5.787	1.38	3.82	77.585	18.48	12.22
2007-08	37.389	8.24	5.30	6.541	1.44	11.53	85.147	18.77	9.75
2008-09	39.238	8.02	4.95	5.489	1.12	-19.17	93.316	19.08	9.59
2009-10	40.743	7.93	3.84	5.767	1.12	4.82	100.591	19.58	7.80
2010-11	38.240	7.31	-6.14	6.974	1.33	17.31	104.359	19.94	3.75
2011-12	38.108	7.12	-0.35	7.206	1.35	3.22	104.819	19.58	0.44
2012-13	38.316	6.76	0.55	5.640	0.99	-27.77	114.213	20.14	8.96
2013-14	37.205	6.50	-2.90	5.732	1.00	1.61	116.795	20.42	2.26
2014-15	38.553	6.34	3.62	5.732	0.94	0.00	125.382	20.63	7.35

Note: The state of Telangana has been formed from Andhra Pradesh w.e.f 02.06.2014 and the only producing company SCCL is in Telangana . So, for the whole year figures have been shown for Telangana State.

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

(Quantity in Million Tonnes)

Year	Uttar Pradesh			West Bengal			State : Arunachal Pradesh		
	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2005-06	15.853	4.01	-6.85	24.114	6.10	8.41			
2006-07	12.393	2.95	-21.83	25.030	5.96	3.80			
2007-08	11.216	2.47	-9.50	22.155	4.88	-11.49	0.076	0.02	0.00
2008-09	12.448	2.54	10.98	22.817	4.66	2.99	0.129	0.03	69.74
2009-10	13.587	2.64	9.15	22.259	4.33	-2.45	0.226	0.04	75.19
2010-11	15.393	2.94	13.29	21.439	4.10	-3.68	0.245	0.05	8.41
2011-12	15.467	2.89	0.48	23.203	4.33	8.23	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	-100.00
2014-15	29.021	4.78	-5.80	29.213	4.81	2.61	0	0.00	0.00

Year	All India	
	Quantity	Growth(%)
(41)	(42)	(43)
2005-06	395.587	4.47
2006-07	419.800	6.12
2007-08	453.567	8.04
2008-09	489.172	7.85
2009-10	513.792	5.03
2010-11	523.465	1.88
2011-12	535.299	2.26
2012-13	567.136	5.95
2013-14	572.060	0.87
2014-15	607.630	6.22

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

(Quantity in Million Tonnes)

Year	Tamilnadu			Gujarat		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
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	24.312	52.49	-0.65	14.670	31.68	1.54
2013-14	24.438	55.67	0.52	11.831	26.95	-19.35
2014-15	24.088	51.32	-1.43	12.349	26.31	4.38

Year	Rajasthan			ALL INDIA	
	Quantity	Share (%)	Growth (%)	Quantity	Growth (%)
(8)	(9)	(10)	(11)	(12)	(13)
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	7.331	15.83	147.42	46.313	10.58
2013-14	7.628	17.38	4.05	43.897	-5.22
2014-15	10.504	22.38	37.70	46.941	6.93

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

Company	2012-13			2013-14			2014-15		
	Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
ECL	0.043	35.501	35.544	0.045	35.929	35.974	0.036	38.184	38.220
BCCL	28.970	4.027	32.997	31.496	2.562	34.058	30.152	3.514	33.666
CCL	18.479	34.407	52.886	18.679	33.442	52.121	19.359	35.978	55.337
NCL	0.000	67.021	67.021	0.000	71.892	71.892	0.000	73.518	73.518
WCL	0.317	41.222	41.539	0.268	39.671	39.939	0.232	41.008	41.240
SECL	0.155	121.818	121.973	0.123	121.890	122.013	0.125	123.084	123.209
MCL		111.959	111.959		114.342	114.342	0.000	122.996	122.996
NEC		0.618	0.618		0.577	0.577	0.000	0.733	0.733
CIL	47.964	416.573	464.537	50.611	420.305	470.916	49.904	439.015	488.919
SCCL		52.025	52.025		47.892	47.892	0.000	52.662	52.662
JKML		0.014	0.014		0.013	0.013	0.000	0.013	0.013
JSMDCL		0.000	0.000		0.000	0.000	0.000	0.408	0.408
DVC		0.226	0.226		0.045	0.045	0.000	0.055	0.055
DVC EMTA		1.844	1.844		1.523	1.523	0.000	1.006	1.006
IISCO	0.560	0.156	0.716	0.541	0.081	0.622	0.420	0.199	0.619
SAIL	0.033	0.064	0.097	0.044	0.031	0.075	0.024	0.001	0.025
APMDTCL		0.055	0.055		0.000	0.000	0.000	0.000	0.000
RRVUNL		0.293	0.293		1.197	1.197	0.000	3.443	3.443
WBPDCCL	0.000	3.256	3.256		2.610	2.610	0.000	6.248	6.248
PSEB		6.872	6.872		5.852	5.852	0.000	3.454	3.454
KPCL		2.515	2.515		2.472	2.472	0.000	2.413	2.413
WBMDTCL		0.265	0.265		0.734	0.734	0.000	1.119	1.119
MPSMCL					0.000	0.000	0.000	1.504	1.504
Total Public	48.557	484.158	532.715	51.196	482.755	533.951	50.348	511.540	561.888
TISCO	7.233	0.081	7.314	6.902	0.067	6.969	6.037	0.024	6.061
MEGHALAYA		5.640	5.640		5.732	5.732	0.000	5.732	5.732
ICML		3.221	3.221		3.278	3.278	0.000	3.771	3.771
JSPL		5.999	5.999		5.999	5.999	0.000	5.989	5.989
MIEL		0.798	0.798		0.905	0.905	0.000	1.022	1.022
BLA		0.300	0.300		0.300	0.300	0.000	0.300	0.300
HIL		2.254	2.254		2.453	2.453	0.000	2.386	2.386
PIL		1.000	1.000		1.000	1.000	0.000	1.000	1.000
JNL		0.479	0.479		0.394	0.394	0.000	0.777	0.777
JPL		5.088	5.088		6.223	6.223	0.000	5.726	5.726
SIL		0.244	0.244		0.159	0.159	0.000	0.196	0.196
ESCL	0.069	0.005	0.074	0.366	0.004	0.370	0.229	0.488	0.717
UML		0.564	0.564		0.759	0.759	0.000	0.794	0.794
SEML		0.893	0.893		1.117	1.117	0.000	1.266	1.266
BSIL		0.019	0.019		0.027	0.027	0.000	0.136	0.136
TUML/SVSL		0.367	0.367		0.300	0.300	0.000	0.208	0.208
SPL		0.081	0.081		1.845	1.845	0.000	9.261	9.261
SOVA		0.086	0.086		0.279	0.279	0.000	0.400	0.400
Total Private	7.302	27.119	34.421	7.268	30.841	38.109	6.266	39.476	45.742
ALL INDIA	55.859	511.277	567.136	58.464	513.596	572.060	56.614	551.016	607.630
LIGNITE :									
NLC			25.691			25.991			25.441
GMDCL			10.905			8.398			8.700
GIPCL			3.482			3.249			3.456
RSMML			1.387			1.428			1.405
GHCL			0.283			0.190			0.193
VSLPPL			0.815			0.839			0.823
BLMCL			3.750			3.802			6.923
ALL INDIA			46.313			43.897			46.941
COAL & LIGNITE			613.449			615.957			654.571

TABLE 3.9 : CAPTIVE BLOCK WISE DESPATCH OF RAW COAL DURING 2014-15

(Quantity in Million Tonnes)

Block	Company	State	Coking Coal	Non Coking Coal	Total Coal
Tasra	SAIL/IISCO	Jharkhand	0.024	0.001	0.025
Barjora North	DVCEMTA	West Bengal		1.006	1.006
Namchik Namphuk	APMDTCL	Arunachal Pradesh		0.000	0.000
Parsa E & Kanta Basan	RRUVNL	Chhattisgarh		3.443	3.443
Trans Damodar	WBMDTCL	West Bengal		1.119	1.119
Tara East & West	WBPDCCL	West Bengal		1.818	1.818
Barjore	WBPDCCL	West Bengal		0.214	0.214
Gangaramchak & Bhadulia	WBPDCCL	West Bengal		0.209	0.209
Panchwara North	WBPDCCL	Jharkhand		4.007	4.007
Pachwara Central	PSEB	Jharkhand		3.454	3.454
Baranj I-IV, Kiloni, Manora Deep	KPCL	Maharashtra		2.413	2.413
Amelia North	MPSMCL	Madhya Pradesh		1.504	1.504
Total Public			0.024	19.188	19.212
Ardhagram	SOVA	West Bengal		0.400	0.400
Belgaon	SIL	Maharashtra		0.196	0.196
Chotia	PIL	Chhattisgarh		1.000	1.000
Gare Palma IV/1	JSPL	Chhattisgarh		5.989	5.989
Gare Palma IV/2&3	JPL	Chhattisgarh		5.726	5.726
Gare Palma IV/4	JNL	Chhattisgarh		0.777	0.777
Gare Palma IV/5	MIEL	Chhattisgarh		1.022	1.022
Gare Palma IV/7	SEML	Chhattisgarh		1.266	1.266
Gotitoria E&W	BLA	Madhya Pradesh		0.300	0.300
Kathautia	UML	Jharkhand		0.794	0.794
Marki Mangli I	BSIL	Maharashtra		0.136	0.136
Marki Mangli II-III	TUML	Maharashtra		0.208	0.208
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		9.261	9.261
Parbatpur Central	ESCL	Jharkhand	0.229	0.488	0.717
Sarshatali	ICML	West Bengal		3.771	3.771
Talabira I	HIL	Odisha		2.386	2.386
Total Private			0.229	33.720	33.949
Grand Total			0.253	52.908	53.161

TABLE 3.10: STATEWISE AND COMPANYWISE DESPATCHES OF RAW COAL BY TYPE IN LAST THREE YEARS

(Quantity in Million Tonnes)

States	Company	2012-13			2013-14			2014-15		
		Coking	N-Coking	Total	Coking	N-Coking	Total	Coking	N-Coking	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Telangana	SCCL		52.025	52.025		47.892	47.892		52.662	52.662
Arunachal Pradesh	APMDTCL		0.055	0.055		0.000	0.000		0.000	0.000
Assam	NEC		0.618	0.618		0.577	0.577		0.733	0.733
Chhattisgarh	SECL	0.155	106.353	106.508	0.123	107.716	107.839	0.125	110.044	110.169
Chhattisgarh	JSPL		5.999	5.999		5.999	5.999		5.989	5.989
Chhattisgarh	MIEL		0.798	0.798		0.905	0.905		1.022	1.022
Chhattisgarh	PIL		1.000	1.000		1.000	1.000		1.000	1.000
Chhattisgarh	JNL		0.479	0.479		0.394	0.394		0.777	0.777
Chhattisgarh	JPL		5.088	5.088		6.223	6.223		5.726	5.726
Chhattisgarh	SEML		0.893	0.893		1.117	1.117		1.266	1.266
Chhattisgarh	RRVUNL		0.293	0.293		1.197	1.197		3.443	3.443
Chhattisgarh	TOTAL	0.155	120.903	121.058	0.123	124.551	124.674	0.125	129.267	129.392
Jammu & Kashmir	JKML	0.000	0.014	0.014		0.013	0.013		0.013	0.013
Jharkhand	ECL	0.032	17.672	17.704	0.038	17.301	17.339	0.029	18.646	18.675
Jharkhand	BCCL	28.954	4.025	32.979	30.257	2.388	32.645	29.610	3.124	32.734
Jharkhand	CCL	18.479	34.407	52.886	18.679	33.442	52.121	19.359	35.978	55.337
Jharkhand	JSMDC		0.000	0.000		0.000	0.000		0.408	0.408
Jharkhand	DVC		0.226	0.226		0.045	0.045		0.055	0.055
Jharkhand	IISCO	0.560		0.560	0.541	0.000	0.541	0.420	0.000	0.420
Jharkhand	TISCO	7.233	0.081	7.314	6.902	0.067	6.969	6.037	0.024	6.061
Jharkhand	PSEB		6.872	6.872		5.852	5.852		3.454	3.454
Jharkhand	UML		0.564	0.564		0.759	0.759		0.794	0.794
West Bengal	WBPDC		0.000	0.000		0.082	0.082		4.007	4.007
Jharkhand	ESCL	0.069	0.005	0.074	0.366	0.004	0.370	0.229	0.488	0.717
Jharkhand	SAIL	0.033	0.064	0.097	0.044	0.031	0.075	0.024	0.001	0.025
Jharkhand	TOTAL	55.360	63.916	119.276	56.827	59.971	116.798	55.708	66.979	122.687
Madhya Pradesh	NCL		38.197	38.197		41.085	41.085		44.497	44.497
Madhya Pradesh	WCL	0.317	6.051	6.368	0.268	5.424	5.692	0.232	5.408	5.640
Madhya Pradesh	SECL		15.465	15.465		14.174	14.174		13.040	13.040
Madhya Pradesh	MPSMCL		0.000	0.000		0.000	0.000		1.504	1.504
Madhya Pradesh	BLA		0.300	0.300		0.300	0.300		0.300	0.300
Madhya Pradesh	SPL		0.081	0.081		1.845	1.845		9.261	9.261
Madhya Pradesh	TOTAL	0.317	60.094	60.411	0.268	62.828	63.096	0.232	74.010	74.242
Maharashtra	WCL		35.171	35.171		34.247	34.247		35.600	35.600
Maharashtra	SIL		0.244	0.244		0.159	0.159		0.196	0.196
Maharashtra	KPCL		2.515	2.515		2.472	2.472		2.413	2.413
Maharashtra	BSIL		0.019	0.019		0.027	0.027		0.136	0.136
Maharashtra	TUML/SVSL		0.367	0.367		0.300	0.300		0.208	0.208
Maharashtra	TOTAL	0.000	38.316	38.316	0.000	37.205	37.205	0.000	38.553	38.553
Meghalaya	MEGHALAYA		5.640	5.640		5.732	5.732		5.732	5.732
Odisha	MCL		111.959	111.959		114.342	114.342		122.996	122.996
Odisha	HIL		2.254	2.254		2.453	2.453		2.386	2.386
Odisha	TOTAL		114.213	114.213		116.795	116.795		125.382	125.382
Uttar Pradesh	NCL		28.824	28.824		30.807	30.807		29.021	29.021
West Bengal	ECL	0.011	17.829	17.840	0.007	18.628	18.635	0.007	19.538	19.545
West Bengal	BCCL	0.016	0.002	0.018	1.239	0.174	1.413	0.542	0.390	0.932
West Bengal	IISCO		0.156	0.156		0.081	0.081		0.199	0.199
West Bengal	WBPDC		3.256	3.256		2.528	2.528		2.241	2.241
West Bengal	ICML		3.221	3.221		3.278	3.278		3.771	3.771
West Bengal	DVC EMTA		1.844	1.844		1.523	1.523		1.006	1.006
West Bengal	WBMDTCL		0.265	0.265		0.734	0.734		1.119	1.119
West Bengal	SOVA		0.086	0.086		0.279	0.279		0.400	0.400
West Bengal	TOTAL	0.027	26.659	26.686	1.246	27.225	28.471	0.549	28.664	29.213
Total Public		48.557	484.158	532.715	51.196	482.755	533.951	50.348	511.540	561.888
Total Private		7.302	27.119	34.421	7.268	30.841	38.109	6.266	39.476	45.742
All India		55.859	511.277	567.136	58.464	513.596	572.060	56.614	551.016	607.630

Note: The state of Telangana has been formed from Andhra Pradesh w.e.f 02.06.2014 and the only producing company SCCL is in Telangana .

So, for the whole year figures have been shown for Telangana State.

TABLE 3.11: GRADEWISE DESPATCH OF COKING COAL BY COMPANIES IN 2014-15

(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			0.029			0.007	0.029	0.036
BCCL	0.052	0.327		0.102	1.190	7.694	20.787		2.145	28.007	30.152
CCL					0.030	3.082	16.247		4.321	15.038	19.359
NCL											0.000
WCL					0.232				0.198	0.034	0.232
SECL			0.125							0.125	0.125
MCL											0.000
NEC											0.000
CIL	0.052	0.327	0.132	0.102	1.452	10.805	37.034	0.000	6.671	43.233	49.904
SCCL											0.000
JKML											0.000
JSMDCL											0.000
DVC											0.000
DVC EMTA											0.000
IISCO						0.092	0.328		0.420	0.000	0.420
SAIL							0.024		0.024	0.000	0.024
APMDTCL											0.000
RRUVNL											0.000
WBMDTCL											0.000
WBPDCCL											0.000
PSEB											0.000
KPCL											0.000
MPSMCL											0.000
PUBLIC	0.052	0.327	0.132	0.102	1.452	10.897	37.386	0.000	7.115	43.233	50.348
TISCO					0.242	0.909	4.886		6.037	0.000	6.037
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						0.129	0.100		0.229		0.229
UML											0.000
SEML											0.000
BSIL											0.000
TUML											0.000
SPL											0.000
SOVA											0.000
PRIVATE	0.000	0.000	0.000	0.000	0.242	1.038	4.986	0.000	6.266	0.000	6.266
GRAND TOTAL	0.052	0.327	0.132	0.102	1.694	11.935	42.372	0.000	13.381	43.233	56.614

TABLE 3.12: GRADEWISE DESPATCH OF NON COKING COAL BY COMPANIES IN 2014-15

(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		0.928	1.468	13.078	4.532	1.465	1.892	0.236					14.585							38.184	38.220
BCCL		0.111	0.239	0.033	0.089	1.773	1.107	0.107	0.055											3.514	33.666
CCL			0.050	0.181	2.175	0.578	0.877	4.104	15.296	8.959	3.758									35.978	55.337
NCL					0.913	0.202	17.291	9.118		45.664			0.330							73.518	73.518
WCL				0.009	0.400	1.379	2.966	8.682	25.335	2.237										41.008	41.240
SECL			2.941	4.604	7.381	6.340	3.771	1.178	0.367	1.304	86.253	8.945								123.084	123.209
MCL					0.160			0.712	0.182	2.193	10.757	66.992	42.000							122.996	122.996
NEC	0.248	0.417		0.068																0.733	0.733
CIL	0.248	1.456	4.698	17.973	15.650	11.737	27.904	24.137	41.235	60.357	100.768	75.937	56.585	0.330	0.000	0.000	0.000	0.000	439.015	488.919	
SCCL					0.730		8.358	0.590	10.664	7.261	10.188		12.394		1.424		0.347	0.706		52.662	52.662
JKML																	0.013			0.013	0.013
JSMDCL												0.408								0.408	0.408
DVC				0.055																0.055	0.055
DVC EMTA						0.302	0.704													1.006	1.006
IISCO				0.038		0.161														0.199	0.619
SAIL													0.001							0.001	0.025
APMDTCL																	0.000			0.000	0.000
RRUVNL											3.443									3.443	3.443
WBMDTCL				0.836	0.283															1.119	1.119
WBPDCCL				0.214		6.034														6.248	6.248
PSEB						1.209	1.727	0.518												3.454	3.454
KPCL								2.413												2.413	2.413
MPSMCL											1.504									1.504	1.504
PUBLIC	0.248	1.456	4.698	19.116	16.663	19.443	38.693	27.658	51.899	67.618	115.903	76.345	68.980	0.330	1.424	0.000	0.360	0.706	511.540	561.888	
TISCO						0.002		0.007					0.015							0.024	6.061
MEG	5.732																			5.732	5.732
ICML											3.771									3.771	3.771
JSPL												1.374			2.022		2.593			5.989	5.989
HIL												1.604		0.782						2.386	2.386
MIEL								0.503					0.519							1.022	1.022
BLA							0.012	0.158		0.130										0.300	0.300
CML																				0.000	0.000
PIL									1.000											1.000	1.000
JNL									0.081	0.361			0.335							0.777	0.777
JPL												1.332	1.262	2.657		0.475				5.726	5.726
SIL								0.196												0.196	0.196
ESCL																	0.488			0.488	0.717
UML						0.794														0.794	0.794
SEML												0.642		0.436			0.188			1.266	1.266
BSIL												0.136								0.136	0.136
TUML												0.208								0.208	0.208
SPL										9.261										9.261	9.261
SOVA								0.261	0.139											0.400	0.400
PRIVATE	5.732	0.000	0.000	0.000	0.000	0.796	0.012	0.929	1.416	9.752	3.979	5.957	1.262	3.875	2.022	0.475	3.269	0.000	39.476	45.742	
GRAND TOTAL	5.980	1.456	4.698	19.116	16.663	20.239	38.705	28.587	53.315	77.370	119.882	82.302	70.242	4.205	3.446	0.475	3.629	0.706	551.016	607.630	

TABLE 3.13: MODEWISE COMPANYWISE DESPATCHES OF RAW COAL IN 2014-15 (External & Internal)

(Quantity of Million Tonnes)

Company	YEAR 2014-15 (External)							YEAR 2014 - 15 (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	25.538	1.639	11.043				38.220							0.000	38.220
BCCL	26.771	5.184					31.955	0.683	1.028					1.711	33.666
CCL	26.222	18.304					44.526		10.811					10.811	55.337
NCL	25.188	9.256	35.458				69.902		3.616					3.616	73.518
WCL	22.719	14.619	0.401	2.381	0.971		41.091						0.149	0.149	41.240
SECL	43.639	45.206	24.824		6.539	3.001	123.209							0.000	123.209
MCL	81.259	25.152	14.213		2.372		122.996							0.000	122.996
NEC	0.619	0.114					0.733							0.000	0.733
CIL	251.955	119.474	85.939	2.381	9.882	3.001	472.632	0.683	15.455	0.000	0.000	0.000	0.149	16.287	488.919
SCCL	30.725	9.840	7.581	0.448		4.068	52.662							0.000	52.662
JKML		0.013					0.013							0.000	0.013
JSMDC		0.408					0.408							0.000	0.408
DVC		0.055					0.055							0.000	0.055
DVC EMTA		1.006					1.006							0.000	1.006
IISCO		0.199					0.199	0.169		0.092	0.159			0.420	0.619
SAIL	0.001	0.024					0.025							0.000	0.025
APMDTCL		0.000					0.000							0.000	0.000
RRUVNL							0.000						3.443	3.443	3.443
WBMDTCL		1.119					1.119							0.000	1.119
WBPDC	5.825	0.423					6.248							0.000	6.248
PSEB/PANEM	3.454						3.454							0.000	3.454
KPCL	2.413						2.413							0.000	2.413
MPSMCL	1.504						1.504							0.000	1.504
PUBLIC	295.877	132.561	93.520	2.829	9.882	7.069	541.738	0.683	15.624	0.000	0.092	0.159	3.592	20.150	561.888
TISCO							0.000		0.323		1.509	4.229		6.061	6.061
MEG		5.732					5.732							0.000	5.732
ICML		3.771					3.771							0.000	3.771
JSPL		0.269					0.269					5.720		5.720	5.989
HIL		2.386					2.386							0.000	2.386
MIEL		1.022					1.022							0.000	1.022
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		0.777					0.777							0.000	0.777
JPL					5.726		5.726							0.000	5.726
SIL	0.196						0.196							0.000	0.196
ESCL		0.014					0.014		0.703					0.703	0.717
UML	0.687	0.107					0.794							0.000	0.794
SEML		0.763					0.763	0.034	0.469					0.503	1.266
BSIL		0.136					0.136							0.000	0.136
TUML		0.208					0.208							0.000	0.208
SPL		1.415			7.846		9.261							0.000	9.261
SOVA		0.400					0.400							0.000	0.400
PRIVATE	0.883	18.000	0.000	0.000	13.572	0.000	32.455	0.034	1.795	0.000	1.509	9.949	0.000	13.287	45.742
GRAND TOTAL	296.760	150.561	93.520	2.829	23.454	7.069	574.193	0.717	17.419	0.000	1.601	10.108	3.592	33.437	607.630

TABLE 3.14: COMPANYWISE OFF-TAKE OF RAW COAL & LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2014-15

(Quantity of Million Tonnes)

Company	Power (Utility)	Power (Captive)	Steel	Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Metal (Aluminium etc)	Chemical	Pulp & Paper	Textiles & Rayons	Bricks	Other	Total Despatches	Colliery Consumption	Total Offtake
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
COAL :																
ECL	35.097	0.089	0.007	0.364	0.080		0.134		0.019	0.062	0.002		2.366	38.220	0.249	38.469
BCCL	27.329	0.105	1.266			0.965							4.001	33.666	0.063	33.729
CCL	33.410	1.437	13.435			0.234	0.723		0.024				6.074	55.337	0.001	55.338
NCL	61.955	4.257			0.131		0.099	0.257					6.819	73.518	0.175	73.693
WCL	30.950	1.650	0.232		1.863		0.395		0.106	0.475	0.080		5.489	41.240	0.006	41.246
SECL	98.128	4.154	0.125		3.579	1.071	2.761		0.007	0.219	0.039		13.126	123.209	0.014	123.223
MCL	87.543				0.432	0.024							34.997	122.996	0.005	123.001
NEC	0.364				0.018					0.003			0.348	0.733		0.733
CIL	374.776	11.692	15.065	0.364	6.103	2.294	4.112	0.257	0.156	0.759	0.121	0.000	73.220	488.919	0.513	489.432
SCCL	39.206	2.655			4.987		0.345		0.243	0.726	0.292	0.014	4.194	52.662	0.063	52.725
JKML					0.002						0.001	0.010		0.013		0.013
JSMDCL	0.100				0.150		0.150					0.008		0.408		0.408
DVC		0.055												0.055		0.055
DVC EMTA		1.006												1.006		1.006
IISCO			0.420										0.199	0.619		0.619
SAIL			0.024	0.001										0.025		0.025
APMDTCL													0.000	0.000		0.000
RRVUNL		3.443												3.443		3.443
WBMDTCL	0.424				0.032		0.270			0.056	0.005	0.026	0.306	1.119		1.119
WBPDC		6.248												6.248		6.248
PSEB/PANEM		3.454												3.454		3.454
KECML		2.413												2.413		2.413
MPSMCL		1.504												1.504		1.504
PUBLIC	414.506	32.470	15.509	0.365	11.274	2.294	4.877	0.257	0.399	1.541	0.419	0.058	77.919	561.888	0.576	562.464
TISCO			6.061											6.061		6.061
MEG													5.732	5.732		5.732
ICML	3.771													3.771		3.771
JSPL							5.989							5.989		5.989
HIL		2.386												2.386		2.386
MIEL		1.022												1.022		1.022
BLA	0.212				0.088									0.300		0.300
CML														0.000		0.000
PIL							1.000							1.000		1.000
JNL							0.777							0.777		0.777
JPL		5.726												5.726		5.726
SIL							0.196							0.196		0.196
ESCL		0.141	0.384				0.137					0.055		0.717		0.717
UML							0.794							0.794		0.794
SEML		0.171	0.331				0.324						0.440	1.266		1.266
BSIL							0.136							0.136		0.136
TUML/SVSL							0.208							0.208		0.208
SPL		9.261												9.261		9.261
SOVA		0.050					0.238						0.112	0.400		0.400
PRIVATE	3.983	18.757	6.776	0.000	0.088	0.000	9.799	0.000	0.000	0.000	0.000	0.055	6.284	45.742	0.000	45.742
GRAND TOTAL	418.489	51.227	22.285	0.365	11.362	2.294	14.676	0.257	0.399	1.541	0.419	0.113	84.203	607.630	0.576	608.206
LIGNITE:																
GIPCL		3.456												3.456		3.456
GMDCL		3.126			0.314	0.005			0.313	0.556	2.848	0.600	0.938	8.700		8.700
GHCL		0.193												0.193		0.193
NLCL	22.594	1.900		0.023	0.755				0.007	0.093	0.001	0.013	0.055	25.441		25.441
RSMML	0.458				0.200				0.008	0.041	0.038		0.660	1.405		1.405
VSLPPL		0.823												0.823		0.823
BLMCL		6.923												6.923		6.923
TOTAL	23.052	16.421	0.000	0.023	1.269	0.005	0.000	0.000	0.328	0.690	2.887	0.613	1.653	46.941	0.000	46.941

TABLE 3.15: AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2013-14 & 2014-15

(Quantity in Million Tonnes)

Company	2013-14							2014-15						
	AVAILABILITY			OFF-TAKE			Closing Stock	AVAILABILITY			OFF-TAKE			Closing Stock
	Opening Stock	Production	Total	Despatches	Colliery Consumption	Total		Opening Stock	Production	Total	Despatches	Colliery Consumption	Total	
(1)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
CIL	58.168	462.413	520.581	470.916	0.374	471.290	48.683	48.683	494.234	542.917	488.919	0.513	489.432	53.485
SCCL	3.020	50.469	53.489	47.892	0.050	47.942	5.548	5.548	52.536	58.084	52.662	0.063	52.725	5.348
JKML	0.005	0.019	0.024	0.013		0.013	0.013	0.013	0.013	0.026	0.013		0.013	0.013
JSMDCCL			0.000			0.000		0.000	0.415	0.415	0.408		0.408	0.007
DVC	0.011	0.054	0.065	0.045		0.045	0.020	0.020	0.066	0.086	0.055		0.055	0.030
DVC EMTA	0.009	1.519	1.528	1.523		1.523	0.005	0.005	1.001	1.006	1.006		1.006	0
IISCO	0.008	0.622	0.630	0.622		0.622	0.009	0.009	0.626	0.635	0.619		0.619	0.013
SAIL	0.006	0.069	0.075	0.075		0.075	0.000		0.025	0.025	0.025		0.025	0
APMDTCL	0.022		0.022			0.000	0.000			0.000	0.000		0.000	0
WBPDCCL	0.039	2.606	2.645	2.610		2.610	0.034	0.034	6.221	6.255	6.248		6.248	0.008
RRVUNL	0.000	1.197	1.197	1.197		1.197	0.000	0.000	3.443	3.443	3.443		3.443	0
WBMDTCL	0.085	0.726	0.811	0.734		0.734	0.077	0.077	1.042	1.119	1.119		1.119	0
PSEB	0.083	5.879	5.962	5.852		5.852	0.110	0.110	3.433	3.543	3.454		3.454	0.089
KPCL		2.502	2.502	2.472		2.472	0.030	0.030	2.478	2.508	2.413		2.413	0.095
MPSMCL		0.005	0.005			0.000	0.005	0.005	1.500	1.505	1.504		1.504	0
PUBLIC	61.456	528.080	589.536	533.951	0.424	534.375	54.534	54.534	567.033	621.567	561.888	0.576	562.464	59.088
TISCO	0.014	6.972	6.986	6.969	0.001	6.970	0.017	0.017	6.044	6.061	6.061		6.061	0.012
Meghalaya		5.732	5.732	5.732		5.732	0.000		5.732	5.732	5.732		5.732	0.000
ICML	0.848	2.708	3.556	3.278		3.278	0.278	0.278	3.492	3.770	3.771		3.771	0.000
JSPL	0.010	5.999	6.009	5.999		5.999	0.010	0.010	5.989	5.999	5.989		5.989	0.010
HIL	0.122	2.478	2.600	2.453		2.453	0.144	0.144	2.248	2.392	2.386		2.386	0.009
MIEL	0.008	0.919	0.927	0.905		0.905	0.022	0.022	1.000	1.022	1.022		1.022	0.000
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
PIL	0.001	1.000	1.001	1.000		1.000	0.001	0.001	1.000	1.001	1.000		1.000	0.000
JNL	0.025	0.446	0.471	0.394		0.394	0.076	0.076	0.703	0.779	0.777		0.777	0.002
JPL	0.164	6.226	6.390	6.223		6.223	0.005	0.005	6.248	6.253	5.726		5.726	0.000
SIL	0.020	0.148	0.168	0.159		0.159	0.009	0.009	0.196	0.205	0.196		0.196	0.009
ESCL	0.093	0.461	0.554	0.370		0.370	0.157	0.157	0.436	0.593	0.717		0.717	0.107
UML	0.001	0.762	0.763	0.759		0.759	0.004	0.004	0.790	0.794	0.794		0.794	0.000
SEML	0.084	1.165	1.249	1.117		1.117	0.131	0.131	1.189	1.320	1.266		1.266	0.054
BSIL	0.055	0.081	0.136	0.027		0.027	0.109	0.109	0.031	0.140	0.136		0.136	0.004
TUML/SVSL	0.001	0.317	0.318	0.300		0.300	0.017	0.017	0.198	0.215	0.208		0.208	0.007
SPL	0.144	1.695	1.839	1.845		1.845	0.000	0.000	9.406	9.406	9.261		9.261	0.145
SOVA	0.003	0.276	0.279	0.279		0.279	0.000	0.000	0.400	0.400	0.400		0.400	0.000
PRIVATE	1.593	37.685	39.278	38.109	0.001	38.110	0.980	0.980	45.402	46.382	45.742	0.000	45.742	0.359
INDIA	63.049	565.765	628.814	572.060	0.425	572.485	55.514	55.514	612.435	667.949	607.630	0.576	608.206	59.447

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

Year	Raw coal			Lignite			Total solid fossil fuel	
	Pit-head Closing Stock	Share in total solid fossil fuel (%)	Change over previous year (%)	Pit-head Closing Stock	Share in total solid fossil fuel (%)	Change over previous year (%)	Pit-head Closing Stock	Change over previous year (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
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	63.049	97.69	-14.84	1.493	2.31	42.06	64.542	-14.05
2013-14	55.514	96.76	-11.95	1.860	3.24	24.58	57.374	-11.11
2014-15	59.447	94.93	7.08	3.176	5.07	70.75	62.623	9.15

TABLE-4.2 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2014-15

(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-14	51.007	1.143	0.127	0.346	0.301	1.225	0.053
May-14	46.235	1.148	0.188	0.184	0.312	1.101	0.114
Jun-14	42.310	1.398	0.153	0.272	0.295	1.013	0.195
1st Quarter	42.310	1.398	0.153	0.272	0.295	1.013	0.195
Jul-14	36.627	0.878	0.182	0.257	0.332	0.926	0.120
Aug-14	33.606	0.827	0.152	0.562	0.302	0.654	0.131
Sep-14	33.225	0.553	0.164	0.267	0.309	0.838	0.118
2nd Quarter	33.225	0.553	0.164	0.267	0.309	0.838	0.118
Oct-14	34.287	0.377	0.141	0.338	0.301	0.544	0.109
Nov-14	37.028	0.348	0.162	0.378	0.322	0.360	0.092
Dec-14	40.250	0.560	0.152	0.605	0.341	0.418	0.041
3rd Quarter	40.250	0.560	0.152	0.605	0.341	0.418	0.041
Jan-15	43.327	0.915	0.168	0.761	0.644	0.540	0.021
Feb-15	48.870	1.406	0.179	0.851	0.668	0.596	0.035
Mar-15	59.447	3.176	0.181	0.837	0.615	1.116	0.045
4th Quarter	59.447	3.176	0.181	0.837	0.615	1.116	0.045
2014-15	59.447	3.176	0.181	0.837	0.615	1.116	0.045

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	2012-13		2013-14		2014-15	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)
COAL :						
ECL	2.114	3.35	1.913	3.45	3.451	5.81
BCCL	5.090	8.07	3.576	6.44	4.362	7.34
CCL	11.504	18.25	9.405	16.94	9.718	16.35
NCL	9.579	15.19	6.107	11.00	4.898	8.24
WCL	5.816	9.22	5.600	10.09	5.501	9.25
SECL	5.930	9.41	7.764	13.99	12.816	21.56
MCL	18.053	28.63	14.149	25.49	12.524	21.07
NEC	0.082	0.13	0.169	0.30	0.215	0.36
CIL	58.168	92.26	48.683	87.69	53.485	89.97
SCCL	3.020	4.79	5.548	9.99	5.348	9.00
JKML	0.005	0.01	0.013	0.02	0.013	0.02
JSMDC					0.007	0.01
DVC	0.011	0.02	0.020	0.04	0.030	0.05
DVC EMTA	0.009	0.01	0.005	0.01		
IISCO	0.008	0.01	0.009	0.02	0.013	0.02
SAIL	0.006	0.01				
APMDTCL	0.022	0.03				
WBPDC	0.039	0.062	0.034	0.061	0.008	0.061
PSEB	0.083	0.13	0.110	0.20	0.089	0.15
RRVUNL						
WBMDTCL	0.085	0.13	0.077	0.14		
MPSMCL			0.005	0.01		
KPCL		0.00	0.030	0.05	0.095	0.16
PUBLIC	61.456	97.47	54.534	98.23	59.088	99.40
TISCO	0.014	0.02	0.017	0.03	0.012	0.02
Meghalaya						
ICML	0.848	1.34	0.278	0.50		0.00
JSPL	0.010	0.02	0.010	0.02	0.010	0.02
HIL	0.122	0.19	0.144	0.26	0.009	0.02
MIEL	0.008	0.01	0.022	0.04		
BLA						
PIL	0.001	0.00	0.001	0.00		
JNL	0.025	0.04	0.076	0.14	0.002	0.00
JPL	0.164	0.26	0.005	0.01		
SIL	0.020	0.03	0.009	0.02	0.009	0.02
ESCL	0.093	0.15	0.157	0.28	0.107	0.18
UML	0.001	0.00	0.004	0.01		
SEML	0.084	0.13	0.131	0.24	0.054	0.09
BSIL	0.055	0.09	0.109	0.20	0.004	0.01
TUML/SVSL	0.001	0.00	0.017	0.03	0.007	0.01
SPL	0.144	0.23			0.145	0.24
SOVA	0.003	0.00				
PRIVATE	1.593	2.53	0.980	1.77	0.359	0.60
ALL INDIA	63.049	100.00	55.514	100.00	59.447	100.00
LIGNITE :						
NLC	1.121	75.08	1.739	93.49	2.842	89.48
GMDCL						
GIPCL	0.296	19.83	0.053	2.85		0.00
GHCL	0.024	1.61	0.016	0.86	0.023	0.72
RSMML						
VSLPPL			0.051	2.74	0.233	7.34
BLMCL	0.052	3.48	0.001	0.05	0.078	2.46
ALL INDIA	1.493	100.00	1.860	100.00	3.176	100.00
COAL & LIGNITE	64.542		57.374		62.623	

TABLE 4.4 : CAPTIVE BLOCK WISE PIT-HEAD CLOSING STOCK OF RAW COAL DURING 2014-15

(Quantity in Million Tonnes)

Block	Company	State	Coking Coal	Non Coking Coal	Total Coal
Tasra	SAIL/IISCO	Jharkhand		0.000	0.000
Barjora North	DVCEMTA	West Bengal		0.000	0.000
Namchik Namphuk	APMDTCL	Arunachal Pradesh		0.000	0.000
Parsa E & Kanta Basan	RRUVNL	Chhittsgarh		0.000	0.000
Trans Damodar	WBMDTCL	West Bengal		0.000	0.000
Tara East & West	WBPDCCL	West Bengal		0.000	0.000
Barjore	WBPDCCL	West Bengal		0.001	0.001
Gangaramchak & Bhadulia	WBPDCCL	West Bengal		0.000	0.000
Panchwara North	WBPDCCL	Jharkhand		0.007	0.007
Pachwara Central	PSEB	Jharkhand		0.089	0.089
Baranj I-IV, Kiloni, Manora Deep	KPCL	Maharashtra		0.095	0.095
Amelia North	MPSMCL	Madhya Pradesh		0.000	0.000
Total Public			0.000	0.192	0.192
Ardhagram	SOVA	West Bengal		0.000	0.000
Belgaon	SIL	Maharashtra		0.009	0.009
Chotia	PIL	Chhittsgarh		0.000	0.000
Gare Palma IV/1	JSPL	Chhittsgarh		0.010	0.010
Gare Palma IV/2&3	JPL	Chhittsgarh		0.000	0.000
Gare Palma IV/4	JNL	Chhittsgarh		0.002	0.002
Gare Palma IV/5	MIEL	Chhittsgarh		0.000	0.000
Gare Palma IV/7	SEML	Chhittsgarh		0.054	0.054
Gotitoria E&W	BLA	Madhya Pradesh		0.000	0.000
Kathautia	UML	Jharkhand		0.000	0.000
Marki Mangli I	BSIL	Maharashtra		0.004	0.004
Marki Mangli II-III	TUML/SVSL	Maharashtra		0.007	0.007
Moher & Moher Amlori Extn	SPL	Madhya Pradesh		0.145	0.145
Parbatpur Central	ESCL	Jharkhand	0.041	0.066	0.107
Sarshatali	ICML	West Bengal		0.000	0.000
Talabira I	HIL	Odisha		0.009	0.009
Total Private			0.041	0.306	0.347
Grand Total			0.041	0.498	0.539

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

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

Year	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
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	36.872	348319	129.985	574973	166.857	923292	4.171	67995	0.0013	24
2014-15	43.715	337656	168.388	707586	212.103	1045241	3.294	43806	0.0006	17

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

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

Year	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
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	2.014	5900	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	2.180	10805	2.188	10840	0.154	1521	0.0019	61
2014-15	0.042	413	1.196	6784	1.238	7197	0.102	1140	0.0028	40

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

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

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

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

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

TABLE 5.3 : SOURCE COUNTRY-WISE IMPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2014-15

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

Country	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andorra			0.079	328	0.079	328				
Australia	37.504	288739	9.956	55152	47.459	343891	0.215	2767		
Canada	1.856	14563	0.101	636	1.957	15200	0.000	2		
Chad			0.020	62	0.020	62				
Chile			1.728	5549	1.728	5549				
China PRP			0.019	334	0.019	334	2.027	25469	0.0000	1
Colombia			0.001	15	0.001	15	0.103	1909		
Indonesia			118.215	451920	118.215	451920				
Italy							0.039	590		
Japan							0.341	5090		
Latvia			0.001	11	0.001	11	0.004	55		
Malaysia	0.003	25	0.009	36	0.012	61				
Mozambique	1.409	10635	0.570	2724	1.979	13359				
New Zealand	1.025	7897			1.025	7897				
Panama C Z			0.032	224	0.032	224				
Poland							0.098	1337		
Russia	0.133	882	1.200	7604	1.333	8486	0.132	1944		
South Africa	0.160	962	30.571	151675	30.731	152636				
Switzerland			0.026	111	0.026	111				
U Arab Emnts			0.013	167	0.013	167				
UK	0.002	64	0.001	19	0.003	83	0.000	5		
USA	1.602	13725	2.668	16276	4.270	30001			0.0004	10
Ukraine			0.201	1838	0.201	1838	0.306	4375		
Venezuela							0.029	261		
Vietnam SOC REP			0.033	529	0.033	529				
Unspecified	0.021	164	2.946	12376	2.967	12539	0.000	3	0.0002	6
TOTAL	43.715	337656	168.388	707586	212.103	1045241	3.294	43806	0.0006	17

Source: DGCI & S, KOLKATA

TABLE 5.4 : DESTINATION COUNTRY-WISE EXPORT OF COAL, COKE AND LIGNITE TO INDIA DURING 2014-15

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

Country	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Baharain IS					0.000	0			0.0017	22
Bangladesh PR	0.007	38	0.535	2616	0.542	2654	0.003	27		
Bhutan			0.038	548	0.038	548	0.013	222		
Iran	0.035	372			0.035	372				
Jordan			0.000	1	0.000	1	0.000	7		
Malaysia			0.000	2	0.000	2	0.000	2		
Nepal	0.000	2	0.482	3025	0.482	3027	0.056	400	0.0008	5
Nigeria			0.000	0	0.000	0	0.001	13		
Oman	0.000	1			0.000	1	0.002	20		
Pakistan IR					0.000	0	0.024	378	0.0000	0
Saudi Arab			0.000	2	0.000	2	0.001	22	0.0001	4
Sri Lanka DSR			0.000	0	0.000	0	0.001	13	0.0001	2
U Arab Emnts			0.141	588	0.141	588	0.001	22	0.0000	0
South Africa					0.000	0	0.000	6		
Others	0.000	0	0.000	2	0.000	2	0.001	9	0.0001	6
TOTAL	0.042	413	1.196	6784	1.238	7197	0.102	1140	0.0028	40

Source: DGCI & S , KOLKATA

TABLE 5.5 : PORT WISE IMPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2014-15

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

Port	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Alibag	0.258	2071	2.402	6744	2.660	8816	0.07691	1133		
Appiic Multi Prod Sez Vizag DC			0.030	139	0.030	139	0.03565	407		
Bedi Sea			4.910	18445	4.910	18445				
Bhavnagar			1.154	4471	1.154	4471				
Bhuj			0.388	1375	0.388	1375				
Chennai Sea	0.002	59	5.947	20016	5.949	20075	0.00017	3		
Cochin Sea			0.080	348	0.080	348	0.00247	38		
Dehej Sea			14.240	58396	14.240	58396				
Delhi (ICD)			0.000	0	0.000	0	0.00007	1		
Dhamra(chandbali)	6.914	53010	6.726	32245	13.640	85255				
Dharmatar Sea	0.221	1618	0.019	136	0.240	1753				
Ennore Sea	0.330	2665	6.391	33703	6.721	36368				
Gangavaram Port	5.443	41542	8.452	39662	13.895	81203	0.08746	1301		
Hazira Port, Surat			1.712	5873	1.712	5873				
Hetero Infra Sez Nakkapalli AP			0.042	91	0.042	91				
ICD Bhusawal					0.000	0	0.00331	51		
ICD Ludhiana			0.000	1	0.000	1				
Jabilant Infra Ltd Kandla			0.015	51	0.015	51				
Kakinada Sea	0.047	293	4.883	18083	4.929	18377				
Kandla Sea	0.482	4102	8.741	36378	9.224	40480				
Karikal	0.258	1956	0.282	1180	0.540	3136				
Kiadb Textile Sez Karnataka			0.095	310	0.095	310				
Kolkata Sea	5.687	44766	3.857	18433	9.544	63199	0.54147	6905		
Krishnapatnam	3.383	24691	9.972	44092	13.355	68784	0.04155	466		
Magdalla Port Sea	0.621	4502	3.905	16816	4.526	21318	0.99748	14280		
Marmagoa Sea	4.988	39481	2.904	17643	7.891	57123	0.32778	4170		
Mumbai Sea			5.459	22860	5.459	22860	0.00001	1		
Mundra	1.223	9282	22.998	94972	24.221	104254	0.00199	19	0.00003	0
Navlakhi			6.642	26941	6.642	26941				
Newmangalore Sea	0.877	6703	6.778	31523	7.656	38226	0.34046	4408		
Nhava Sheva Sea	0.000	5	0.005	138	0.005	143	0.00023	7	0.00061	17
Okha	0.177	1325	0.521	2318	0.697	3642				
Paradip Sea	6.732	52512	9.483	38093	16.215	90605	0.70708	9037		
Parri Infra Co Pvt Ltd			0.042	134	0.042	134				
Pipavab(Vicyor)	0.063	486	1.453	7455	1.516	7941				
Porbandar			0.446	2249	0.446	2249				
Sez Dahej			0.003	14	0.003	14				
Sez Mundra			12.701	46238	12.701	46238				
Sez Wardha Power Ltd. Warora			0.078	404	0.078	404				
Sikka			0.027	145	0.027	145				
Tuticorin Sea			5.187	22884	5.187	22884	0.00166	36		
Visakhapatnam Sea	6.008	46586	9.419	36586	15.427	83172	0.12814	1543		
TOTAL	43.715	337656	168.388	707586	212.103	1045241	3.29388	43806	0.00064	17

Source: DGCI & S, KOLKATA

TABLE 5.6 : PORT WISE EXPORT OF COAL, COKE & LIGNITE TO INDIA DURING 2014-15

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

Port	Coking Coal		Non Coking Coal		Total Coal		Coke & Others Coal Products		Lignite	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bagmara			0.003	14	0.003	14				
Banbasa, Champawat/Uttarakhand	0.000	0	0.000	0	0.000	0				
Bhollaganj			0.000	2	0.000	2				
Borsorah			0.151	667	0.151	667				
CFS Mulund					0.000	0	0.000	0		
Chasuapara			0.030	133	0.030	133				
Chengrabandha Rly. Station			0.084	428	0.084	428				
Chennai Sea					0.000	0			0.0000	0
Cochin Sea			0.000	1	0.000	1				
Dalu			0.005	22	0.005	22				
Dawki			0.020	87	0.020	87				
Delhi Air					0.000	0			0.0000	2
Ghajadanga			0.010	51	0.010	51	0.002	14		
Golokgans Rly. Stn			0.000	0	0.000	0				
Gouriphanta			0.040	75	0.040	75				
Hatisar (Deosiri)			0.004	37	0.004	37				
Hili (West)			0.035	161	0.035	161				
ICD Bangalore				0	0.000	0	0.000	0		
ICD Durgapur, WB					0.000	0	0.000	1		
ICD Hyderabad					0.000	0			0.0000	1
ICD Nagpur			0.000	1	0.000	1				
ICD Sabarmati			0.000	0	0.000	0	0.000	0		
Jaigaon			0.046	640	0.046	640	0.016	263		
Jogbani	0.000	1	0.015	81	0.016	81	0.001	6		
Kolkata Sea			0.000	0	0.000	0	0.000	8		
Kotwaligate (Mohedipur)			0.003	12	0.003	12				
LCS Fulbari	0.005	25	0.005	31	0.010	55				
Magdalla Port Sea			0.141	583	0.141	583				
Mahendraganj	0.002	13	0.015	81	0.018	94				
Mankachar			0.007	36	0.007	36				
Marmagoa Sea					0.000	0	0.000	11		
Mmundra	0.035	372	0.001	7	0.036	380	0.027	444	0.0000	0
Nautanwa (Sonauli)			0.062	431	0.062	431	0.033	223		
Nepalganj	0.000	1	0.025	159	0.025	161	0.001	8	0.0005	3
Newmangalore Sea					0.000	0			0.0017	22
Nhava Sheva Sea	0.000	0	0.000	2	0.000	3	0.001	14	0.0002	10
Old Raghna Bazar LCS (Tripura)			0.000	1	0.000	1				
Panitanki			0.308	2031	0.308	2031	0.008	49	0.0002	1
Paradip Sea			0.080	432	0.080	432				
Petrapole Land			0.000	2	0.000	2	0.001	12		
Pipavab(Vicyor)					0.000	0	0.001	8		
Raxaul Land			0.019	118	0.019	118	0.011	74	0.0001	1
Sutarkandi			0.087	456	0.087	456				
Tuticorin Sea	0.000	1	0.000	0	0.000	1	0.001	5		
TOTAL	0.042	413	1.196	6784	1.238	7197	0.102	1140	0.0028	40

Source: DGCI & S, KOLKATA

TABLE 6.1: SUMMARY OF COAL AND LIGNITE BLOCKS DURING 2014-15

Sector	End Use	Mode of Allotment	TILL 24/09/2014		AFTER 24/09/2014 TILL 31/03/2015	
			No of Blocks	Geological Reserves (Qty. in MT)	No of Blocks	Geological Reserves (Qty. in MT)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A. COAL BLOCKS						
Public Sector Undertakings	Power	Govt. dispensation	44	15914.638	18	3795.290
	Power	Captive dispensation				
		Sub total	44	15914.638	18	3795.290
	Commercial Mining	Govt. dispensation	32	7090.052	4	246.060
	Iron & Steel	Govt. dispensation	2	360.230	1	251.880
	Iron & Steel	Captive dispensation				
		Sub total	2	360.230	1	251.880
		PSU Total	78	23364.920	23	4293.230
Private Companies	Power	Captive dispensation	16	2576.870	5	466.130
	Power	Ultra Mega Power Project	12	4747.400	12	4747.400
		Sub total	28	7324.270	17	5213.530
	Iron & Steel	Captive dispensation	28	3495.426	12	810.181
	Cement	Captive dispensation	2	225.390	2	225.390
	Small and Isolated Patch (Commercial Mining)	Captive dispensation	2	9.340	2	9.340
	Coal to Oil	Captive dispensation				
		Pvt. Total	60	11054.426	33	6258.441
ALL INDIA	Power		72	23238.908		
	Iron & Steel		30	3855.656		
	Cement		2	225.390		
	Commercial Mining		34	7099.392		
	Coal to Oil					
		Grand Total		138	34419.346	56

Sector	End Use	Mode of Allotment	No of blocks	Geological Reserves (Qty. in MT)
(1)	(2)	(3)	(4)	(5)

B. LIGNITE BLOCKS

State PSU	Power	Govt. dispensation	10	1027.530
	Commercial	Govt. dispensation	9	462.400
		Subtotal	19	1489.930
Private	Power	Captive dispensation	5	99.500
	Commercial	Captive dispensation	1	7.800
		Subtotal	6	107.300
ALL INDIA	Power		15	1127.030
	Commercial		10	470.200
		Grand Total	25	1597.230

NOTE :

(1) Out of total 218 captive coal blocks, Hon'ble Supreme Court of India vide judgement dated 25th August, 2014 read with its order dated 24th September, 2014 has cancelled the allocation of 204 captive coal blocks (Schedule-I Coal Mines) as per the Coal Mines (Special Provisions) Ordinance, 2014 promulgated as the Coal Mines (Special Provisions) Act, 2015.

(2) Out of 204 Schedule-I coal mines, 42 coal mines have been considered under Schedule- II coal mines for which 1st day of April, 2015 being the date on which the allocation of coal blocks to prior allottees shall stand cancelled, in pursuance of the order of the Hon'ble Supreme Court dated 24-09-2014 passed in Writ Petition (Criminal) No. 120 of 2012.

(3) The above facts and figures are for 56 captive coal mines (14 stands allocated and 42 Schedule-II coal mines).

(4) GR quantities are GR value as available with this office and subject to change for few blocks with approval of mine plan.

Table 6.2: Yearwise and Sectorwise Allotment of Captive Coal Blocks (till 24/09/2014)**(GR in Million 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	171.800											1	171.800
1994	1	22.550											1	22.550
1995	1	100.000											1	100.000
1996	1	100.000			3	484.215			2	9.340			6	593.555
1997													0	0.000
1998	3	375.207											3	375.207
1999					2	153.1835							2	153.184
2000					1	67.170							1	67.170
2001	1	562.000			1	24.260							2	586.260
2002	1	92.920											1	92.920
2003	10	317.590			4	427.169	2	322.120					16	1066.879
2004	4	1899.890											4	1899.890
2005	5	1557.090			11	1528.530	1	61.730					17	3147.350
2006	10	5815.008	6	1591.860	3	183.548	15	5274.616					34	12865.032
2007	11	3746.8632	1	916.520	3	240.580	12	1264.835	2	225.390			29	6394.188
2008	5	1337.410	1	100.000	1	241.000	1	110.000					8	1788.410
2009	1	137.000	3	1339.020	1	506.000							5	1982.020
2010			1	800.000									1	800.000
2011							1	56.7510					1	56.751
2012													0	0.000
2013*	5	2256.180											5	2256.180
2014	0	0.000											0	0.000
Total	60	18491.508	12	4747.400	30	3855.656	32	7090.052	4	234.730	0	0.000	138	34419.346

NOTE : Details of status of captive coal blocks during 2014-15 has been given as foot note under Table 6.1.

Table 6.3: Yearwise Allotment and Sectorwise Status of Captive Coal Blocks (from 24.09.2014 till 31.03.2015)
(GR in Million 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	171.800											1	171.800
1994	1	22.550											1	22.550
1995	1	100.000											1	100.000
1996	1	100.000			3	484.215			2	9.340			6	593.555
1997													0	0.000
1998	2	178.860											2	178.860
1999					1	38.847							1	38.847
2000					1	67.170							1	67.170
2001	1	562.000			1	24.260							2	586.260
2002	1	92.920											1	92.920
2003	9	173.590			2	68.289	1	4.790					12	246.669
2004	1	1436.000											1	1436.000
2005	3	890.840			4	269.680	1	61.730					8	1222.250
2006			6	1591.860			1	123.540					7	1715.400
2007	2	532.860	1	916.520	1	109.600	1	56.000	2	225.390			7	1840.370
2008			1	100.000									1	100.000
2009			3	1339.020									3	1339.020
2010			1	800.000									1	800.000
2011													0	0.000
2012													0	0.000
2013													0	0.000
2014													0	0.000
2015													0	0.000
Total	23	4261.420	12	4747.400	13	1062.061	4	246.060	4	234.730	0	0	56	10551.671

Note: * Till March'2015

GR=Geological Reserves as estimated during allocation.

NOTE : Details of status of captive coal blocks during 2014-15 has been given as foot note under Table 6.1.

**Table 6.4: Statewise and Sectorwise Status of Captive Coal Blocks during 2014-15
(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)
TILL 24/09/2014														
Arunachal Pradesh							1	4.79					1	4.790
Telangana	1	77.04											1	77.040
Chhattisgarh	13	4500.66	2	1113.67	6	484.55	9	2875.02					30	8973.899
Jharkhand	18	7494.65	2	1141.87	11	1220.51	6	571.00					37	10428.023
Maharashtra	6	156.91	1	100.00	7	110.10	1	24.18					15	391.190
Madhya Pradesh	2	613.55	3	706.86			8	1062.76	4	234.73			17	2617.900
Odisha	12	4978.74	4	1685.00	4	1424.90	1	898.50					21	8987.134
West Bengal	8	669.97			2	615.60	6	1653.80					16	2939.370
Total	60	18491.51	12	4747.40	30	3855.66	32	7090.05	4	234.73	0	0.0	138	34419.346
After 24.09.2014 Till 31.03.2015														
Arunachal Pradesh							1	4.79					1	4.790
Telangana													0	0.000
Chhattisgarh	4	711.72000	2	1113.67	5	377.3505							11	2202.741
Jharkhand	4	2700.270	2	1141.87	3	512.400							9	4354.540
Maharashtra	6	156.91	1	100.00	4	62.71							11	319.620
Madhya Pradesh			3	706.86			2	179.54	4	234.73			9	1121.130
Odisha	1	22.550	4	1685.00									5	1707.550
West Bengal	8	669.97			1	109.60	1	61.73					10	841.300
Total	23	4261.420	12	4747.400	13	1062.06	4	246.060	4	234.73	0	0.0	56	10551.671

NOTE : Details of status of captive coal blocks during 2014-15 has been given as foot note under Table 6.1.

Appendix - A

Concepts, Definitions and Practices

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

2. Classification of Coal

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

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

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

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

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

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

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

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

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

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

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

3. Classification of Coal in India

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

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

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

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

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

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

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

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

4. Categorisation of Coal in India

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

5 Some General Concepts

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. Commodity Classification

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

ABBREVIATIONS

COAL COMPANIES:

ECL	Eastern Coalfields Limited (Coal India Ltd. Subsidiary) -Public - Non Captive
BCCL	Bharat Coking Coal Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
CCL	Central Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
NCL	Northern Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
WCL	Western Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
SECL	South Eastern Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
MCL	Mahanadi Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
NEC	North Eastern Coalfields (Coal India Ltd. Subsidiary) - Public - Non Captive
SCCL	Singareni Collieries Company Limited - Public - Non Captive
JKML	Jammu & Kashmir Minerals Limited - Public - Non Captive
JSMDCL	Jharkhand State Mineral Development Corporation Limited - Public - Non Captive
DVC	Damodar Valley Corporation - Public - Non Captive
DVC EMTA	DVC Emta Coal Mines Limited - Public - Captive
IISCO	Indian Iron & Steel Company Limited - Public - Non Captive
SAIL	Steel Authority of India Limited - Public - Captive
APMDTCL	Arunachal Pradesh Mineral Development & Trading Corp. Ltd. - Public - Non Captive
WBPDCL	West Bengal Power Development Corporation Limited - Public - Captive
RRVUNL	Rajasthan Rajya Vidyut Unnayan Nigam Limited - Public - Captive
KECML	Karnataka Emta Coal Mines Limited - Public - Captive
WBMDTCL	West Bengal Mineral Development and Trading Corporation Limited - Public - Captive
PSEB/PANEM	Panjab 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 Iron & Steel Company Limited - Private - Non Captive
HIL	Hindalco Industries Limited - Private - Captive
BLA	BLA Industries Limited - Private - Captive
MIEL	Monnet Ispat & Energy Limited - Private - Captive
PIL	Prakash Industries Limited - Private - Captive
JNL	Jayswal Neco Limited - Private - Captive
JPL	Jindal Power Open Cast Coal Mine - Private - Captive
SIL	Sunflag Iron & Steel Company Limited - Private - Captive
ESCL	Electro Steel Casting Limited - Private - Captive
UML	Usha Martin Limited - Private - Captive
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

LIGNITE COMPANIES:

NLC	Neyveli Lignite Corporation Limited - Public - Non Captive
GIPCL	Gujarat Industries Power Company Limited - Public - Captive
GMDCL	Gujarat Mineral Development Corporation Limited - Public - 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
BLMCL	Barmer Lignite Mining Company Limited - Private - Captive
O.C.	OPEN CAST
U.G.	UNDER GROUND
OBR	Over Burden Removal
