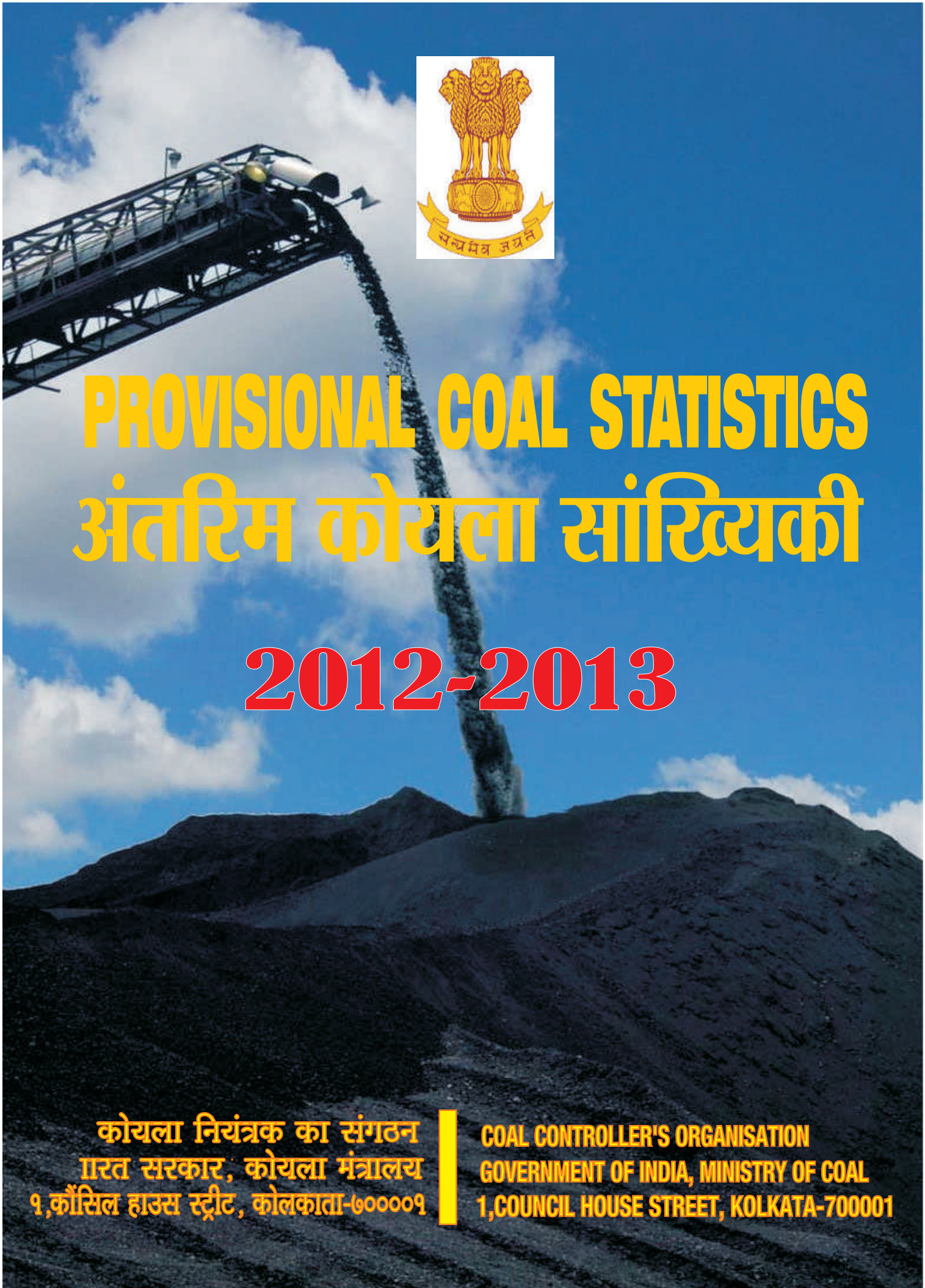

PROVISIONAL COAL STATISTICS
अंतरिम कोयला सांख्यिकी

2012-2013

कोयला नियंत्रक का संगठन
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PROVISIONAL COAL STATISTICS

2012-13

GOVERNMENT OF INDIA

MINISTRY OF COAL

COAL CONTROLLER'S ORGANISATION

KOLKATA

Provisional Coal Statistics 2012-13

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

Any suggestions for improvement are most welcome

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PREFACE

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

Coal Statistics, therefore, assumes paramount significance to meet the data requirements of the Central/ State Government, Government Bodies, planners, 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 2012-13** like previous few years is now being brought out utilizing available data bank of this organization.

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

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

Suggestions to improve both content and presentation are most welcome.

Kolkata
June, 2013

A. Acharya.
Coal Controller

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Highlights

(A) Production

1. In the year 2012-13, the total production of raw coal in India increased by 3.3% (from 539.950 MT in 2011-12 to 557.707 MT in 2012-13) where as the corresponding increase in the production of lignite was 10.1% (from 42.332 MT in 2011-12 to 46.598 MT in 2012-13).
2. The contribution of public sector and private sector in the production(MT) of Raw Coal in 2012-13 was as follows:

Sector	Year 2012-2013		
	Coking	Non-Coking	Total Coal
Public	44.521	464.732	509.253
Private	7.313	41.141	48.454
All India	51.834	505.873	557.707

3. The production of coking coal in 2012-13 in India was 51.834 MT (0.3% growth over 2011-12) whereas the corresponding figure for non-coking coal was 505.873 MT (3.6% growth over 2011-12).
4. The production of washed (coking) coal in 2012-13 was 6.550 MT (increased by 0.8% over 2011-12) whereas the production of middling (coking) was 4.174 MT (increased by 13.6% over 2011-12).
5. During 2012-13, Chhattisgarh registered highest coal production of 117.830 MT (21.1%) followed by Jharkhand 111.830 MT (19.9%) and Orissa 110.131 MT (19.7%). Tamil Nadu was the largest producer of lignite 26.223 MT (56.3%).
6. The contribution of Coal India Limited in the coal production in 2012-13 was 452.211 MT (81.08%) and that of SCCL 53.190 MT (9.54%). During the period 2012-13, Neyveli Lignite Corporation contributed 26.223 MT (56.27%) of lignite production.
7. Highest coking coal producing state of India was Jharkhand (51.317 MT i.e. 99.00%) whereas highest non-coking coal producing state was Chhattisgarh (117.673 MT i.e. 23.26%).
8. Around 90.64% of coal production of India in 2012-13 was from open-cast mines (505.501 MT).
9. SECL produced highest quantity of coal from underground i.e. 16.408 MT (31.58%) followed by SCCL which produced 10.638 MT (20.46%).
10. Overall stripping ratio for the year 2012-13 was 2.11 (Stripping ratio is defined as the ratio of Over Burden Removal to Coal produced in Open Cast mining.)
11. Productivity (OMS) of underground mines for the year 2012-13 was 0.84 (0.77 for CIL and 1.13 for SCCL). During 2012-13, OMS for opencast mines for CIL and SCCL were 11.48 and 11.60 respectively. (OMS is the output measured in tones per unit of man-shift).

(B) Despatch

1. During 2012-13, despatch of indigenous raw coal was 569.767 MT (increase of 6.44% over 2012-13) against the corresponding figure of 535.299 MT during 2011-12. Lignite despatch was 46.312 MT (increase of 10.57% over 2012-13) against the corresponding figure of 41.883 MT during 2011-12. Despatches of solid fossil fuel increased from 616.079 MT to 561.150 MT registering an increase of 6.74% over the previous year.
2. Despatches of coking coal increased from 51.723 MT in 2011-12 to 55.212 MT in 2012-13 (increase of 6.75% over the previous year).

3. Despatches of Metallurgical coal reduced from 15.903 MT in 2011-12 to 14.662 MT in 2012-13 registering a decrease of 7.80%.
4. Despatches of non-coking coal grew by 6.41% [from 483.576 MT in 2011-12 to 514.555 MT in 2012-13].
5. During 2012-13, despatches of washed coal (coking) and middling (coking) were 6.661 MT (increase by 1.97% over 2011-12) and 4.271 MT (increase by 12.34% over 2011-12).
6. During 2012-13, despatch of hard coke also registered decline from 10.146 MT in 2011-12 to 9.791 MT in 2012-13.
7. The contribution of public sector and private sector in the dispatch (MT) of Raw Coal in 2012-13 was as follows:

Despatches (MT) of Raw Coal in 2012-13			
Sector	Year 2012-13		
	Coking	Non-coking	Total
Public	47.894	473.626	521.520
Private	7.318	40.929	48.247
All India	55.212	514.555	569.767

8. All coal producing states except Assam, J&K, Meghalaya and Madhya Pradesh showed a positive growth in coal despaches resulting into a 6.44% growth in coal despatch across India during 2012-13.
9. In terms of coal despatch, Chhattisgarh had highest share of 120.931 MT (21.22%) followed by Jharkhand of 119.180 MT (20.92%) and Orissa of 114.213 MT (20.05%).
10. In case of lignite despatch, Tamil Nadu had the largest share of 55.47%(25.691 MT).
11. CIL despatched 464.769 MT and SCCL 53.279 MT of coal in 2012-13.
12. Among other PSUs largest share in coal despatch were of DVC Emta and WBMDTCL.
13. Private sector despatched 48.247 MT of coal in which PANEM had largest share of 6.799 MT.
14. Powerhouses (Utility) continued to be the largest coal receiver. This sector received 398.968 MT (69.97%) in 2012-13 against 358.604 MT in 2011-12.
15. Cement sector received 13.551 MT in 2012-13 against 13.179 MT in 2011-12.
16. Despatch to Steel Sector in 2012-13 was 15.880 MT against 15.637 MT in 2011-12.
17. During the year 2012-13 despatch of raw coal by rail was 277.163 MT (48.65%). The dispatch by road was 161.299 MT (28.31%).

(C) Pit Head Closing Stock

1. Pit-head Closing Stock of raw coal, as on 31-03-2012, was 62.150 MT against 74.040 MT in 2011-12. The same for lignite was 1.493 MT in 2012-13 against 1.051 MT in 2011-12.
2. Pit-head closing stock of coking coal was 7.504 MT in 2012-13 against 11.132 MT in 2011-12.
3. Pit-head closing stock of non-coking coal was 54.646 MT in 2012-13 against 62.980 MT in 2011-12.
4. Out of total closing stock as on 31.-13-2012, Public sector accounted for 60.899 MT against 72.628 MT in 2011-12.

(D) Import and Export

1. Import of coking coal was 32.557 MT in 2012-13 against 31.801 MT in 2011-12 resulting into an increase of 2.38% over 2011-12. Import of Non-coking coal was 105.002 MT in 2012-13 against 71.052 MT in 2011-12 (an increase of 47.78% over 2011-12).
2. Main exporter of coal to India was Indonesia followed by Australia and South Africa.
3. Coal was mainly imported through Paradip, Mundra, Krishnapatnam and Chennai Sea ports.
4. Export of coal during 2012-13 was 2.825 MT against 2.032 MT in 2011-12.
5. Coal is mainly exported to Bangladesh and Nepal. Main ports for coal exports are Panaji and Borsorah.

(E) Captive Coal Block:

Five coal blocks have been reallocated in the year 2012-13, making present allocated blocks only 200. Out of that only 35 coal blocks has given production 37.04 MT in the year 2012-13.

(F) Geological Coal Reserve.

As per GSI present updated geological resources of coal in India as on 01-04-2013 is 298.914 BT for coal seams of 0.9 m and above and up to 1200 m. The type wise break up of coal reveals that coking and non-coking coal reserve of the country are 34.062 BT and 264.852 BT.

Total coal extracted since 1950 upto 2012-13 is around 11969.377 million ton.

Introductory Note

1.1 Provisional Coal Statistics 2012-13 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 2012-13, 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 2012-13.

Statement 1: Difference between Provisional and Final Figures of Production and Despatch of Coal

Year	Type of Data	Production [Million Tonnes]				Despatch [Million Tonnes]			
		Coking Coal	Non-Coking Coal	Coal Total	Lignite	Coking Coal	Non-Coking Coal	Coal Total	Lignite
2007-08	P	34.592	421.805	456.397	33.980	33.561	419.199	452.760	34.657
	F	34.455	422.627	457.082	33.980	33.543	420.024	453.567	34.657
	D	-0.40%	0.19%	0.15%	0.00%	-0.05%	0.20%	0.18%	0.00%
2008-09	P	33.309	459.636	492.945	32.421	35.674	453.321	488.995	31.793
	F	34.809	457.948	492.757	32.421	35.724	453.448	489.172	31.793
	D	4.31%	-0.37%	-0.04%	0.00%	0.14%	0.03%	0.04%	0.00%
2009-10	P	44.256	487.806	532.062	34.071	42.627	470.592	513.219	34.431
	F	44.413	487.629	532.042	34.071	42.469	471.323	513.792	34.430
	D	0.35%	-0.04%	0.00%	0.00%	-0.37%	0.16%	0.11%	0.00%
2010-11	P	49.533	483.543	533.076	37.735	48.936	474.311	523.247	37.516
	F	49.547	483.147	532.694	37.733	48.950	474.515	523.465	37.685
	D	0.03%	-0.08%	-0.07%	-0.01%	0.03%	0.04%	0.04%	0.45%
2011-12	P	51.654	488.286	539.940	43.105	51.528	483.624	535.152	42.500
	F	51.660	488.290	539.950	42.332	51.723	483.576	535.299	41.883
	D	0.01%	0.00%	0.00%	-1.83%	0.38%	-0.01%	0.03%	-1.47%
2012-13	P	51.834	505.873	557.707	46.598	55.212	514.555	569.767	46.312
N.B 1:	P = Provisional Data; F = Final Data; D = % Differences between the Final Data and the Provisional Data.								
N.B 2:	The difference between the final and provisional figures is in general negligible and less than 0.5%.								

1.2 Provisional Coal Statistics 2012-13, apart from providing data on production, despatch and stock of Coal and Lignite in 2012-13 in India, also provides data on coal reserves in India as on 01.04.2013, Import and Export of Coal during 2012-13, Captive Mining, etc.

1.3 To simplify the use of the Coal Directory, some changes were introduced in the Coal Directory 2011-12 wherein related Concepts, Definitions and Practices were explained in detail. The same has been appended here as Appendix – A for ready reference.

1.4 As the purpose of the publication of the Provisional Coal Statistics 2012-13 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

1.5 The Indian coal deposits are primarily concentrated in the Gondwana sediments (Upper Paleozoic to Mesozoic systems) located in the Eastern and Central parts of Peninsular India and also in parts of North Eastern Regions Viz., Sikkim, Assam and Arunachal Pradesh. The coal is of bituminous to sub-bituminous rank and is restricted to the sediments of Permian age. Indian lignite deposits are in the Tertiary sediments in the Southern & Western parts of the peninsular shield, particularly in Tamil Nadu, Pondicherry, Gujarat, Rajasthan and Jammu & Kashmir. It is also available, in minor quantity, in Kerala & West Bengal. As per Geological Survey of India, the reserve position for coal as well as lignite for last three years has been as follows:

Statement 2: Inventory of Geological Reserve of Coal and Lignite in India

Name of the Mineral	As on	Reserve (Mill. Tonnes)			
		Proved	Indicated	Inferred	Total
(1)	(2)	(3)	(4)	(5)	(6)
Coal	01/04/2011	114,002	137,471	34,389	285,862
	01/04/2012	118,145	142,169	33,182	293,497
	01/04/2013	123,182	142,632	33,100	298,914
Lignite	01/04/2011	6,146	25,794	8,966	40,906
	01/04/2012	6,181	25,763	10,019	41,963
	01/04/2013	6,181	26,283	10,752	43,216

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

Production of Coal and Lignite in India

1.6 In the year 2012-13, the coal production in India reached 557.707 MT and registered an increase of 3.29% over the last year. In case of lignite, the production increased from 42.332 MT to 46.598 MT registering an increase of 10.08 % over the last year. Statement 3(A) shows production of coal in 2012-13 by different companies in India.

Statement 3(A): Coal Production in India by Company

Company	Coal Production (2012-13) [MT]		
	Coking	Non-coking	Total
CIL	43.656	408.555	452.211
SCCL		53.190	53.190
Other Public	0.865	2.987	3.852
Total Public	44.521	464.732	509.253
Total Private	7.313	41.141	48.454
ALL INDIA	51.834	505.873	557.707

1.7 It can be seen that the Coal India Ltd. accounted for 81.08% of coal production in the country. The share of SCCL in the coal production was 9.54% and the contribution of private sector was 8.69%. The performance of different companies in the CIL group may be seen from Statement 3(B). It is seen that the major contributors in the group were SECL, MCL and NCL with share of 21.20%, 19.35%, and 12.56% respectively at all India level. These companies collectively accounted for 53.10% of the total coal production at all India level and 65.49% in the CIL group.

Statement 3(B): Coal Production in India by Company

Company	Coal Production (2012-13) [MT]		
	Coking	Non-coking	Total
ECL	0.043	33.868	33.911
BCCL	26.970	4.243	31.213
CCL	16.156	31.905	48.061
NCL		70.021	70.021
WCL	0.330	41.957	42.287
SECL	0.157	118.062	118.219
MCL		107.894	107.894
NEC		0.605	0.605
CIL	43.656	408.555	452.211

1.8 From the Statement 3(A) it can also be seen that the major share in the total coal is accounted by non-coking coal (90.71%). Statement 4 shows that during the period 2012-13, almost all coking coals were produced in the state of Jharkhand which accounted for 99% of the total coking coal production.

1.9 From Table 2.2 it can be seen that in 2012-13, the production of coking coal registered an increase of 0.34% over the previous year whereas the corresponding increase in the case of non-coking coal was 3.60%. In case of coking coal, Metallurgical coal with the production of 14.50 MT registered a decrease of 10.68% and non-metallurgical coal with the production of 37.33 MT registered an increase of 5.39%.

1.10 Statement 4 shows the coal production in India in 2012-13 by states. It is observed that the three major players are Chhattisgarh (21.13%), Jharkhand (19.94%) and Odisha (19.75%) which together accounted for about 60.81% of the total coal production in the country.

Statement 4: Coal Production in India by State

States	Coal Production (2012-13) [MT]		
	Coking	Non Coking	Total
Andhra Pradesh		53.190	53.190
Arunachal Pradesh		0.073	0.073
Assam		0.605	0.605
Chhattisgarh	0.157	117.673	117.830
Jammu & Kashmir		0.019	0.019
Jharkhand	51.317	59.886	111.203
Madhya Pradesh	0.330	76.948	77.278
Maharashtra		39.003	39.003
Meghalaya		7.137	7.137
Odisha		110.131	110.131
Uttar Pradesh		14.760	14.760
West Bengal		26.448	26.448
Total Public	44.521	464.732	509.253
Total Private	7.313	41.141	48.454
All India	51.834	505.873	557.707

1.11 If one examines the production from the technology point of view then it is seen from Table 2.12 that the total production under open cast system accounted for 90.64% of the total coal production and the rest 9.36% 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 82.63% (2003-04) to 90.64% (2012-13).

1.12 The production of coal products registered a decline from 39.24 MT (2011-12) to 38.85 MT

(2012-13) as can be seen from Table 2.3. It is important to note that in 2012-13, the production of washed coal was 21.64 MT (coking 6.55 MT and non-coking 15.09 MT) against the total production of 557.707 MT of raw coal (coking 51.834 MT and non-coking 505.873 MT).

1.13 Table 2.11 provides details of coal production by type of coal and grade of coal for each company for the year 2012-13.

1.14 Stripping Ratio defined as the ratio of OBR to coal produced in Open Cast mining has been of interest to the researchers and planners. From Table 2.16 it is seen that in 2012-13, the stripping ratio at all India level was 2.11. The corresponding figure for the year 2011-12 was 2.23. The stripping ratio in 2012-13 for CIL was 1.80. The corresponding figure for the public sector as a whole was 2.04 and the same for the private sector was 2.88. In case of CIL companies, MCL reported the lowest stripping ratio of 0.85 against the production of 106.216 MT of coal whereas NEC reported the highest stripping ratio of 7.86 with the production of 0.6 MT of coal. In case of CIL companies, WCL reported the second highest stripping ratio of 3.34 with the production of 34.087 MT of coal.

1.15 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. It is observed that in all case of open cast mining the OMS in the current year has been higher than that of previous year. In case of underground mining the trend is almost static. From Table 2.14 it can be seen that the OMS for open cast mining has shown an increasing trend in last ten years and in case of CIL it has increased from 6.67 (2003-04) to 11.48 (2012-13). The corresponding increase in case of SCCL has been from 7.67 (2003-04) to 11.90 (2012-13). Further details on the issue can be seen from the details tables (table 2.14 and 2.15).

Statement 5: OMS (Tonnes) in OC & UG Mines in 2011-12 & 2012-13 (CIL & SCCL)

Type of Mining	Company	Year	
		2011-12	2012-13
OC	CIL	10.40	11.48
	SCCL	13.26	11.90
UG	CIL	0.75	0.77
	SCCL	1.10	1.13
OC + UG	CIL	4.92	5.32
	SCCL	3.94	3.94

1.16 It has already been pointed out that the production of lignite in 2012-13 over 2011-12 increased from 42.332 MT to 46.598 MT registering an increase of 10.08% over the last year. It is interesting to note that in the year 2011-12, the increase in the lignite production over the year 2010-11 was 12.19%. Table 2.1 provides trends of production of coal and lignite during last ten years. It is observed that while coal production has registered an increase of 63.42% in last 10 years, the corresponding increase in case of lignite is 79.10%. Statement 6 shows production of lignite by different companies in 2011-12 and 2012-13. In case of lignite production the two major players were NLC and GMDCL with contribution of 56.27% and 23.40% respectively. The increase of 10.08% in the lignite production in 2012-13 was in succession of the 12.19% increase in the production of the lignite in the year 2011-12. During the year 2012-13, the major player, NLC registered an increase of 6.64% over the last year. However, the second major player GMDCL registered a corresponding decrease of 3.86%. In fact, except NLC and GIPCL every other lignite producing company has registered a decline in production over last year. BLMCL, a new entrant ranked third in lignite production.

Statement 6: Lignite Production(MT) in India by Company in 2011-12 & 2012-13		
Company	2011-12	2012-13
(1)	(2)	(3)
NLC	24.590	26.223
GMDCL	11.343	10.905
GIPCL	3.042	3.472
RSMML	2.120	1.387
GHCL	0.394	0.297
VS LIGNITE	0.843	0.814
BLMCL		3.500
ALL INDIA	42.332	46.598

Despatches

1.17 The dispatch of Raw Coal in the year 2012-13 was 569.767 MT, 6.64% more than the previous year. The increase of 6.64% in despatch against the increase of 3.29% in the production indicates slightly better dispatch mechanism than the previous year. In fact, last year also similar improvement was noticed.

1.18 Statement 7 shows the despatch of coal by different companies in the year 2012-13. It can be seen that the Coal India Ltd. accounted for 81.57% of coal despatches in the country. The share of SCCL in the coal despatches was 9.35% and the contribution of private sector was 8.47%. In the CIL group share of SECL, MCL and NCL was 21.41%, 19.65% and 11.81% respectively at all India level. These companies collectively accounted for 52.87% of the raw coal despatches at all India level.

1.19 Statement 8 provides details on Off-take of Raw Coal in India in 2012-13 by different sectors of economy. Analysis of total off-take by different sector shows that power sector accounted for 77.91% of Raw Coal Off-take (Power Utilities: 69.97%; Captive Power: 7.95%). The share of Sponge Iron, Steel and Cement was reported to be 3.65%, 2.64%, and 2.38% respectively. Further details on the issue can be seen from Table 3.12.

Statement 7: Coal Despatch in India by Company			
Company	Coal Production (2012-13) [MT]		
	Coking	Non-coking	Total
ECL	0.043	35.501	35.544
BCCL	28.966	3.999	32.965
CCL	17.532	35.354	52.886
NCL		67.285	67.285
WCL	0.317	41.222	41.539
SECL	0.155	121.818	121.973
MCL		111.959	111.959
NEC		0.618	0.618
CIL	47.013	417.756	464.769
SCCL		53.279	53.279
Other Public	0.881	2.591	3.472
Total Public	47.894	473.626	521.52
Total Private	7.318	40.929	48.247
ALL INDIA	55.212	514.555	569.767

Statement 8: Off-take of Raw Coal in India in 2012-13 by Sector	
Sector	Off-take [MT]
Power (Utility)	398.968
Power (Captive)	45.324
Steel	15.075
Steel (Boilers)	0.805
Cement	13.551
Fertilizers	2.502
Sponge Iron	20.828
Other basic-Metal	0.993
Chemical	0.343
Pulp & Paper	2.130
Textiles & Rayons	0.298
Bricks	1.982
Others	66.968
Total Despatches	569.767
Colliery Own Consumption	0.466
Total Off-take	570.233

1.20 The despatch as well as off-take of Lignite in 2012-13 was 46.412 MT (Statement 9). From the statement 9 it is observed that power sector has taken the lion share of 80.38% of the total off-take of lignite production in the year 2012-13. This has been followed by Textiles & Rayons (7.47%), Cement (2.36%), Bricks (1.87%), Pulp and Paper (1.50%), etc. Others in case of raw coal as well as lignite include supply to defence, railway, private crockery, etc.

Statement 9: Off-take (MT) of Lignite by Sector in India	
Sector	Off-take (2012-13)
Power (Utility)	26.077
Power (Captive)	11.231
Cement	1.097
Chemical	0.593
Pulp & Paper	0.695
Textiles & Rayons	3.468
Bricks	0.866
Others	2.385
Total Despatches	46.412

1.21 Table 3.10 provides details of coal despatch by type of coal and grade of coal for each company for the year 2012-13.

Pit Head Closing Stock

1.22 A complete understanding of production and despatch of coal requires a discussion on the pit head closing stock. It is to be noted that whenever we talk about pit head closing stock of coal we refer to raw coal. Statement 10 depicts the pit head closing stock for the current year as well as previous year. From the Statement 10 it is seen that in the year 2012-13, the pit head closing stock of coal and lignite were 62.15 MT and 1.49 MT respectively. In both the cases the stock registered a decrease over the last year.

1.23 Statement 11 provides trend for last ten years for pit head closing stock of coal and lignite. It is observed that in case of coal the pit head closing stock has been increasing over the years till 2011-12 and it has increased from 21.291 MT (2003-04) to 74.040 MT (2011-12). In the year 2012-13, the stock has declined from 74.040 MT to 62.150 MT. The trend in case of lignite is fluctuating one.

Statement 10: Pit Head Closing Stock (MT) of Coal and Lignite in India in 2011-12 and 2012-13		
Company	Year	
	2011-12	2012-13
Coal	74.040	62.150
Coking	11.132	7.504
Metallurgical	2.340	1.276
Non-metallurgical	8.792	6.228
Non-coking	62.908	54.646
Lignite	1.051	1.493

Statement 11: Pit Head Closing Stock (MT) of Coal and Lignite in India in last ten years.		
Year	Pit Head Closing Stock	
	Raw Coal	Lignite
2003-04	21.291	0.212
2004-05	23.969	0.536
2005-06	34.334	0.525
2006-07	44.348	1.002
2007-08	46.779	0.328
2008-09	47.317	0.903
2009-10	64.863	0.565
2010-11	72.192	0.610
2011-12	74.040	1.051
2012-13	62.150	1.493

1.24 Statement 12 shows pit head closing stock of coal by companies during the period 2011-12 and 2012-13. It is observed that in 2012-13, CIL has registered a decline of 17.86% in its Pit head closing stock of coal of 2011-12. In the CIL Group,

except NCL and WCL each company has registered a decline in the Pit head closing stock of coal. The position of SCCL has more or less been static and the private players have registered increase in the Pit head closing stock of coal. Further details on this aspect may be seen from Tables 4.1 to 4.3.

Statement 12: Company wise Pit Head Closing Stock (MT) of Coal and Lignite in India

Company	Year	
	2011-12	2012-13
(1)	(2)	(3)
COAL		
ECL	4.046	2.115
BCCL	6.955	5.090
CCL	15.099	10.854
NCL	6.843	9.579
WCL	5.093	5.823
SECL	9.298	5.541
MCL	22.122	18.050
NEC	0.095	0.077
CIL	69.551	57.129
SCCL	3.038	2.985
OTHER PUBLIC	0.039	0.452
PUBLIC	72.628	60.566
PRIVATE	1.412	1.584
TOTAL	74.040	62.150
LIGNITE		
NLC	0.589	1.121
GIPCL	0.452	0.296
OTHERS	0.010	0.076
TOTAL	1.051	1.493

Import & Export

1.25 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.

1.26 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.

1.27 In 2012-13, import of coal by India was 137.558 MT (Rs. 810128 Million) against the import of 102.853 MT (Rs. 788376 Million) registered in 2011-12. This shows an increase of 33.74% in quantity and 2.76% in value over the previous year. The share of coking and non-coking coal has been noticed as follows (Statement 13):

Statement 13: Import of Coal to India in 2012-13

Type of Coal	Quantity [MT]	Value [Rs. Million]
Coking	32.557	348597
Non-Coking	105.002	461531
Total	**137.558**	**810128**

It is observed that the share of coking coal in the total quantity was 23.67% which in value terms accounted for 43.03%.

1.28 Statement 14 depicts source country wise import of coal in India in 2012-13. It can be seen that Indonesia with 58.38% [80.30 MT] share has remained the leading supplier followed by Australia with 19.63% [27.00 MT] and South Africa 12.82% [17.64 MT]. These three countries together accounted for 90.83% of the total import to India in 2012-13.

Statement 14: Source Country-Wise Import of Coal to India during 2012-13		
Country	Quantity [MT]	% Share
Indonesia	80.304	58.38
Australia	26.999	19.63
South Africa	17.641	12.82
USA	6.097	4.43
Canada	0.984	0.72
Others	5.533	4.02
Total	**137.558**	**100**

1.29 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 2012-13		
Country	Quantity [MT]	% Share
Australia	24.450	75.10
USA	3.277	10.06
South Africa	1.451	4.46
New Zealand	0.966	2.97
Others	2413	7.41
Total	**32.557**	**100**

Statement 16: Source Country-Wise Import of Non-Coking Coal to India during 2012-13		
Country	Quantity [MT]	% Share
Indonesia	79.995	76.18
South Africa	16.190	15.42
USA	2.820	2.69
Australia	2.549	2.43
Others	3.448	5.66
Total	**105.002**	**100**

1.30 To comprehend the requirement of coal in real term the planning commission of India has been estimating demand for each year in advance. However, the actual supply (Despatch + Import – Export) has been showing variance from these estimates. The estimated demand, production, import and export of coking coal and non-coking coal are given in statement 17 and Statement 18 respectively. It may please be noted that there has not been significant difference between despatch and production of coal as has already been explained.

Statement 17: Demand*, Production, Import and Export of Coking Coal in India in last five years [MT]				
Year	Demand*	Production	Import	Export
2008-09	44.000	34.809	21.080	0.109
2009-10	20.290	44.413	24.690	0.270
2010-11	50.510	49.547	19.484	0.111
2011-12	46.670	51.660	31.801	0.097
2012-13	52.300	51.834	32.557	0.192

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

*Source: Annual Plan, MOC

1.31 Export of Coal: Although, there is short supply of coal in India compared to its demand and it has to resort to import of coal, India do export some quantity of coal to its neighboring countries (Statement 19). In the year 2012-13, the total export was 2.825 MT. Here, Bangladesh accounted for 52.09% of export followed by Nepal (40.68%) and Bhutan (3.40%).

Statement 19: Export of Coal from India by destination during 2012-13		
Country	Quantity [MT]	% Share
Bangladesh PR	1.471	52.09
Nepal	1.149	40.68
Bhutan	0.096	3.40
United Arab Emeritus	0.050	1.77
Pakistan	0.046	1.63
Others	0.013	2.02
Total	**2.825**	**100**

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

Statement 20: Export of Coking Coal from India by destination during 2012-13		
Country	Quantity [MT]	% Share
Bangladesh PR	0.035	18.23
Nepal	0.150	78.13
Others	0.007	3.64
Total	**0.192**	**100**

Statement 21: Export of Non-coking Coal from India by destination during 2012-13		
Country	Quantity [MT]	% Share
Bangladesh PR	1.436	54.54
Nepal	0.998	37.90
Bhutan	0.091	3.46
Others	0.108	4.10
Total	**2.633**	**100**

Captive Coal Blocks

1.33 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 2012-13 total 200 Coal Blocks and 27 Lignite Blocks was allocated under the category Captive Coal Blocks.

1.34 Tables 6.1 to 6.4 provide details on the Captive Coal Blocks. It can be seen that 91 coal blocks have been allocated to public sector undertaking and 109 coal blocks have been allocated to private companies. Out of 200 coal blocks the allocation to power sector is 85 (public 49; and private 36). Similarly the allocation to Iron and Steel sector is 69 (public 04; and private 65). 38 captive coal blocks have been allocated to different public sector units for commercial captive purpose. Two captive coal blocks (small and isolated patches) have been allocated to private sector for commercial captive use.

1.35 The total geological reserves of these 200 captive coal blocks are estimated to be 46529.6 MT (public 23956.7 MT; private 22572.9 MT). The allocation to power sector, iron and steel, commercial mining and others is 26002.6 MT, 10542.6 MT, 6701.9 MT and 3282.4 MT respectively.

1.36 Out of 200 coal blocks allocated for captive use till 31st March, 2013, 35 coal blocks (19 in power sectors, 12 in Iron and Steel, 01 in Govt. Commercial and 3 in private commercial) have started production and in the year 2012-13 total production from the captive coal blocks was reported to be **37.04** MT. The contribution of the coal blocks allocated to the power sector was 25.47 MT and that of Iron and Steel 10.75 MT.

1.37 In the case of lignite, out of 27 lignite blocks, 21 (GR 1871.87 MT) were allocated to public sector units and 6 (GR 124.9 MT) were allocated to private sector.

1.38 Out of 27 lignite blocks 15 were allocated to power sector and 12 were allocated for captive commercial use. As on 31st March, 2013, 10 lignite blocks were producing blocks.

Chart-I : MONTH-WISE RAW COAL PRODUCTION, DESPATCHES & STOCK IN INDIA, 2012-13

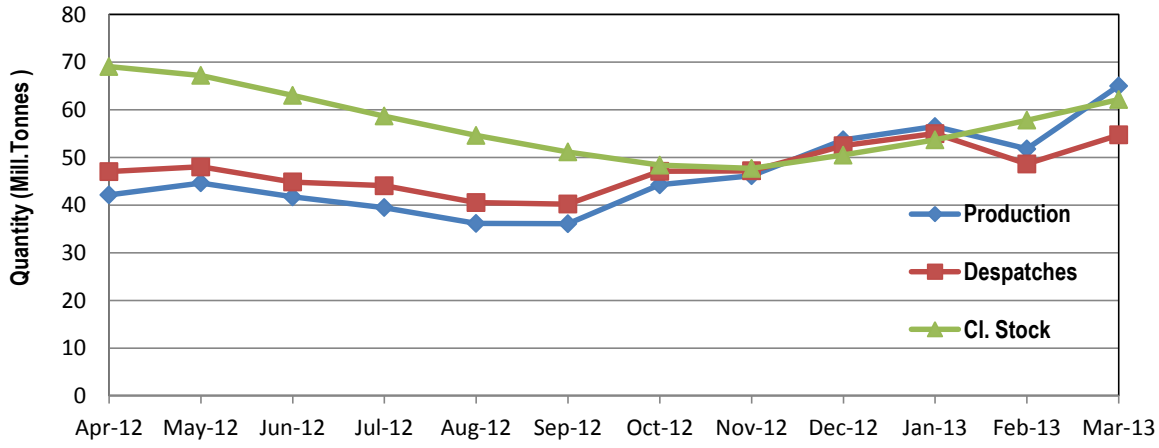


Chart-II : RAW COAL PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS

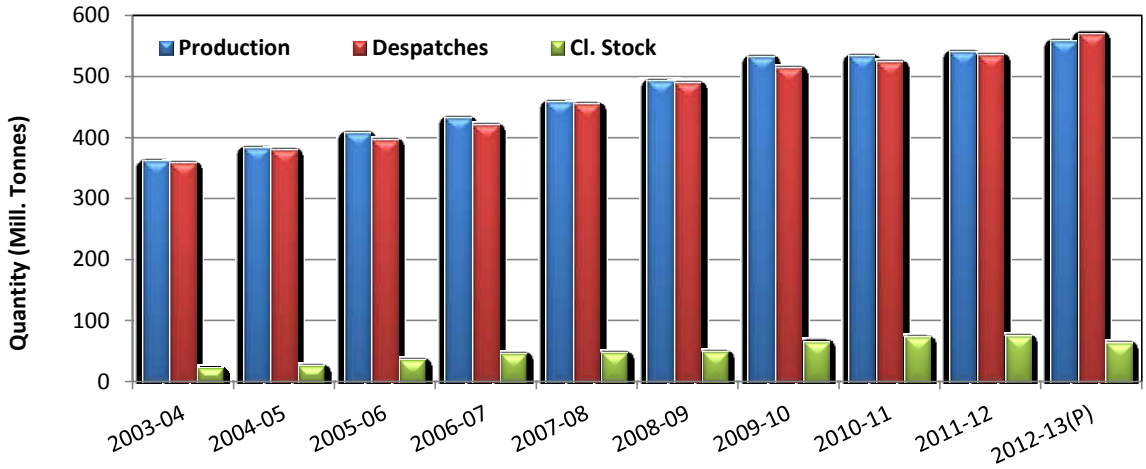
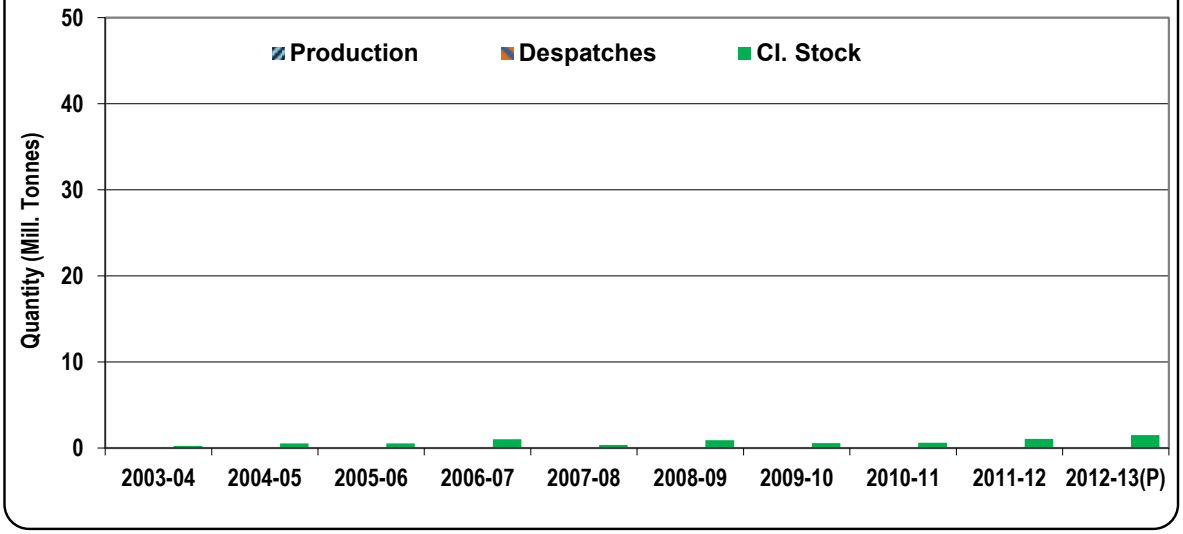


Chart-III : LIGNITE PRODUCTION, DESPATCHES & STOCK LAST TEN YEARS



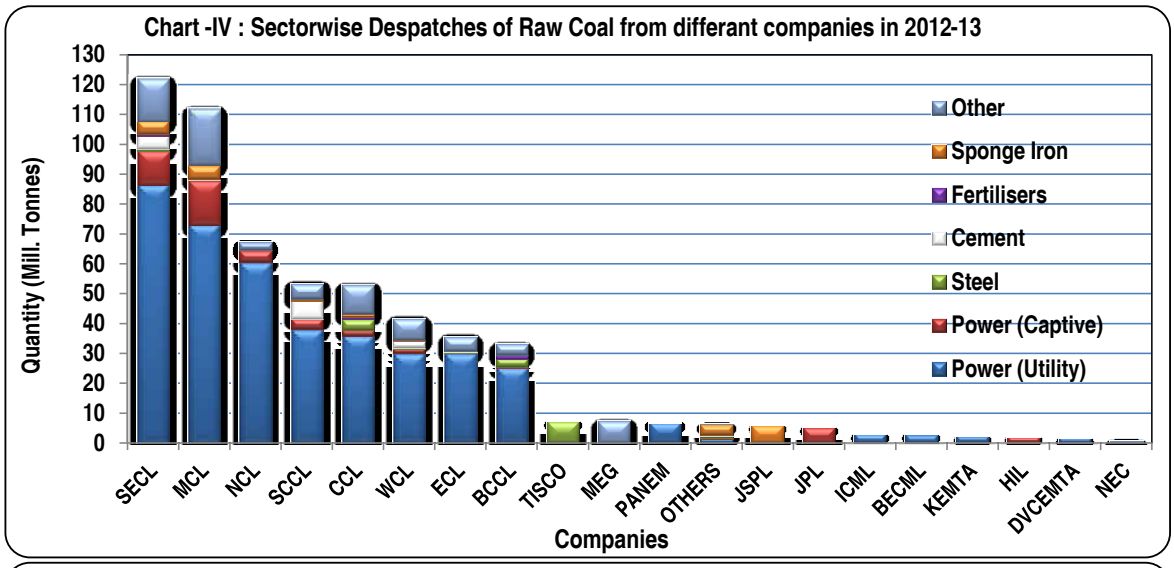


Chart -IV : Sectorwise Despatches of Raw Coal from differant companies in 2012-13
Quantity (Mill. Tonnes)
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Other
Sponge Iron
Fertilisers
Cement
Steel
Power (Captive)
Power (Utility)
SECL
MCL
NCL
SCCL
CCL
WCL
ECL
BCCL
TISCO
MEG
PANEM
OTHERS
JSPL
JPL
ICML
BECML
KEMTA
HIL
DVCEMTA
NEC
Companies

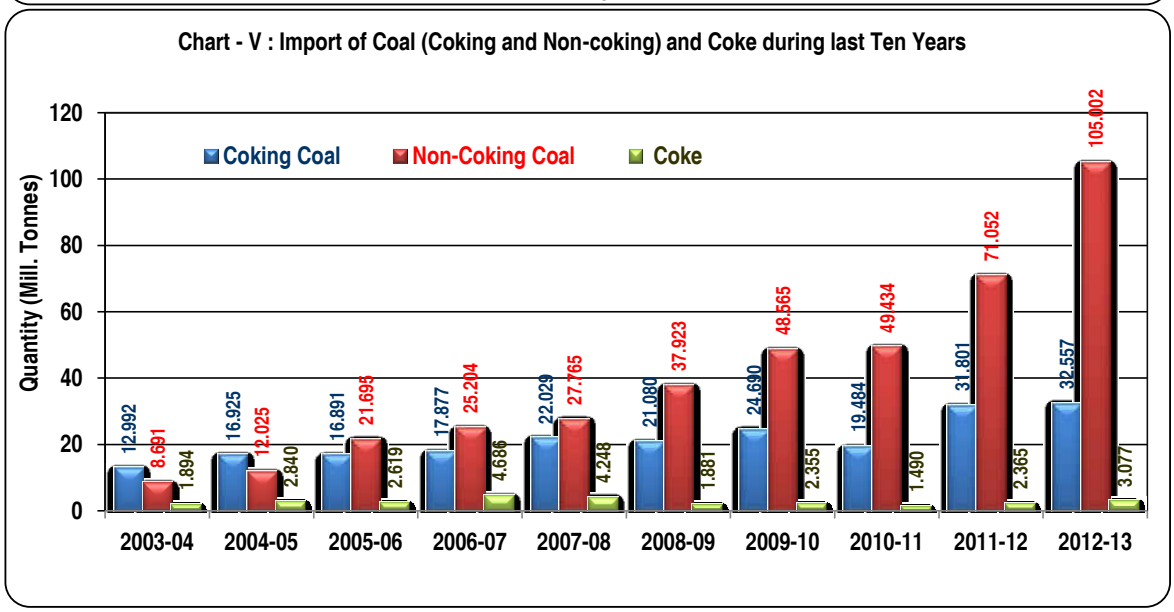


Chart - V : Import of Coal (Coking and Non-coking) and Coke during last Ten Years
Quantity (Mill. Tonnes)
120
100
80
60
40
20
0
Coking Coal
Non-Coking Coal
Coke
12.992
8.691
1.894
16.925
12.025
2.840
16.891
21.693
2.619
17.877
25.204
4.686
22.029
27.765
4.248
21.080
37.923
1.881
24.690
48.565
2.355
19.484
49.434
1.490
31.801
71.052
2.365
32.557
105.002
3.077
2003-04
2004-05
2005-06
2006-07
2007-08
2008-09
2009-10
2010-11
2011-12
2012-13

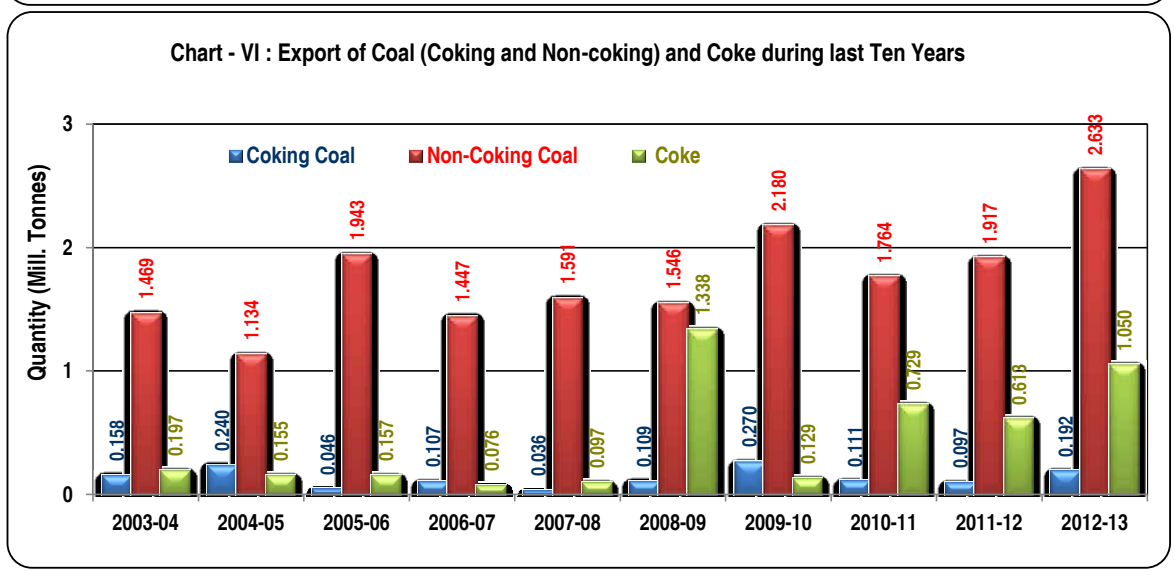


Chart - VI : Export of Coal (Coking and Non-coking) and Coke during last Ten Years
Quantity (Mill. Tonnes)
3
2
1
0
Coking Coal
Non-Coking Coal
Coke
0.158
1.469
0.197
0.240
1.134
0.155
0.046
1.943
0.157
0.107
1.447
0.076
0.036
1.591
0.097
0.109
1.546
1.338
0.270
2.180
0.129
0.111
1.764
0.729
0.097
1.917
0.618
0.192
2.633
1.050
2003-04
2004-05
2005-06
2006-07
2007-08
2008-09
2009-10
2010-11
2011-12
2012-13

Table 1.1: All India Overall Coal Demand (BE) & Supply - Sectorwise: 2012-13

(in Mill. Tonnes)

Sector	Demand (BE)	ACTUAL			Achievement (%)
		Indegenous	Import	Total	
I. Coking Coal					
1 Steel /Coke Oven/ Private Cokeries	22.30	15.88		15.88	71.2%
2 Import	30.00		32.56	32.56	100%
Sub Total (R/C)	**52.30**	**15.88**	**32.56**	**48.44**	**30.4%**
II. Non Coking Coal					
3 Power (Utilities)	512.00	398.97		398.97	77.9%
4 Power (Captive)[CPP]*	43.00	45.32		45.32	105.4%
5 Sponge Iron	35.30	20.83		20.83	59.0%
7 Cement	30.24	13.55		13.55	44.8%
10 Others	100.00	75.68		75.68	75.7%
Sub-total (R/C)	**720.54**	**554.35**	**105.00**	**659.35**	**76.9%**
III. Total Raw Coal Offtake	**772.84**	**570.23**	**137.56**	**707.79**	**73.8%**

Note:

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

2 Import of Coal (actual) for the year 2012-13 (Source DGCIS)

* CPP includes despatch to Fertilizer sector.

Table 1.2: Supply Plan - Sourcewise in 2012-13

(Mill Tonnes)

SOURCE	Plan (BE)	Actual supply	Achievement (%)
1 ECL	34.25	35.845	104.7%
2 BCCL	31.80	33.041	103.9%
3 CCL	56.60	52.891	93.4%
4 NCL	69.25	67.285	97.2%
5 WCL	45.25	41.546	91.8%
6 SECL	118.00	121.988	103.4%
7 MCL	113.75	111.964	98.4%
8 NEC	1.10	0.618	56.2%
9 **Total CIL**	**470.00**	**465.178**	**99.0%**
10 SCCL	53.10	53.334	100.4%
11 Others	57.20	51.72	90.4%
All India	**580.30**	**570.23**	**98.3%**
Total Indegenous Coal Supply/ Availabilty			
a. Demand	772.84	707.79	91.6%
b. Demand- Supply (Indegenous) Gap	192.54	137.56	71.4%
c. Materialisation through Import	192.54	137.56	71.4%
d. Total Supply/ Availabilty	772.84	707.79	91.6%
e. Overall Demand - Supply Gap	0.00	0.00	

Table 1.3: Indegenous Coal Supply Plan (BE) & Achievement : 2012-13

(Million Tonnes)

Sector	BE				Actual				Achievement (%)			
	CIL	SCCL	Others	Total	CIL	SCCL	Others	Total	CIL	SCCL	Others	Total
I. Coking Coal												
1 Steel (Indigenious)	9.94	0	10.35	20.29	7.73	0.08	8.07	15.88	78%		78%	78%
2 Private Cokeries/												
Sub Total (R/C)	**9.94**	**0**	**10.35**	**20.29**	**7.73**	**0.08**	**8.07**	**15.88**	**78%**		**78%**	**78%**
II. Non Coking Coal												
3 Power (Utilities)	346.25	33.20	25.28	404.73	341.84	38.16	18.97	398.97	99%	115%	75%	99%
4 Power (Captive)CPP)#	37.62	4.08	3.00	44.70	34.23	3.46	7.63	45.32	91%	85%	254%	101%
5 Sponge Iron/ CDI	11.93	1.7	10.83	24.46	10.75	0.60	9.48	20.83	90%	35%	88%	85%
6 Cement	7.73	6.7	0.3	14.73	7.13	6.12	0.30	13.55	92%	91%	101%	92%
7 Others	55.99	7.30	7.44	70.73	63.08	4.87	7.26	75.22	113%	67%	98%	106%
8 Coll. Consumption	0.55	0.12		0.67	0.41	0.06	0.00	0.47	74%	46%		70%
Sub-total (R/C)	**460.07**	**53.10**	**46.85**	**560.02**	**457.45**	**53.26**	**43.65**	**554.35**	**99%**	**100%**	**93%**	**99%**
III. Total Raw Coal	**470.01**	**53.10**	**57.20**	**580.31**	**465.18**	**53.33**	**51.72**	**570.23**	**99%**	**100%**	**90%**	**98%**

Based on Annual Plan 2012-13 of MOC.

CPP Includes Despatch to Fertilizer Sector.

TABLE-1.4: TOTAL PRIMARY SUPPLY (TPS) OF COAL & LIGNITE : 2003-04 to 2012-13 (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)
2003-04	Coal	361.246	21.683	1.627	20.056	19.394	21.291	-1.897	379.405
	Lignite	27.958			0.000	0.731	0.212	0.519	28.477
	Total	389.204	21.683	1.627	20.056	20.125	21.503	-1.378	407.882
2004-05	Coal	382.615	28.950	1.374	27.576	21.291	23.969	-2.678	407.513
	Lignite	30.411			0.000	0.212	0.536	-0.324	30.087
	Total	413.026	28.950	1.374	27.576	21.503	24.505	-3.002	437.600
2005-06	Coal	407.039	38.586	1.989	36.597	23.969	34.334	-10.365	433.271
	Lignite	30.228			0.000	0.536	0.525	0.011	30.239
	Total	437.267	38.586	1.989	36.597	24.505	34.859	-10.354	463.510
2006-07	Coal	430.832	43.081	1.554	41.527	34.334	44.348	-10.014	462.345
	Lignite	31.285			0.000	0.525	1.002	-0.477	30.808
	Total	462.117	43.081	1.554	41.527	34.859	45.350	-10.491	493.153
2007-08	Coal	457.082	49.794	1.627	48.167	44.348	46.779	-2.431	502.818
	Lignite	33.980			0.000	1.002	0.328	0.674	34.654
	Total	491.062	49.794	1.627	48.167	45.350	47.107	-1.757	537.472
2008-09	Coal	492.757	59.003	1.655	57.348	46.779	47.317	-0.538	549.567
	Lignite	32.421			0.000	0.328	0.903	-0.575	31.846
	Total	525.178	59.003	1.655	57.348	47.107	48.220	-1.113	581.413
2009-10	Coal	532.042	73.255	2.454	70.801	47.317	64.863	-17.546	585.297
	Lignite	34.071				0.903	0.565	0.338	34.409
	Total	566.113	73.255	2.454	70.801	48.220	65.428	-17.208	619.706
2010-11	Coal	532.694	68.918	4.409	64.509	64.863	72.192	-7.329	589.874
	Lignite	37.733				0.565	0.610	-0.045	37.688
	Total	570.427	68.918	4.409	64.509	65.428	72.802	-7.374	627.562
2011-12	Coal	539.950	102.853	2.032	100.821	72.192	74.040	-1.848	638.923
	Lignite	42.332				0.610	1.051	-0.441	41.891
	Total	582.282	102.853	2.032	100.821	72.802	75.091	-2.289	680.814
2012-13	Coal	557.707	137.558	2.825	134.733	74.040	62.150	11.890	704.330
	Lignite	46.598	0.001	0.107	-0.106	1.051	1.493	-0.442	46.050
	Total	604.305	137.559	2.932	134.627	75.091	63.643	11.448	750.380

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

TABLE 1.5 : BALANCE SHEET OF AVAILABILITY AND SUPPLY OF *RAW COAL & LIGNITE* DURING 2011-12 & 2012-13

(Million Tonnes)

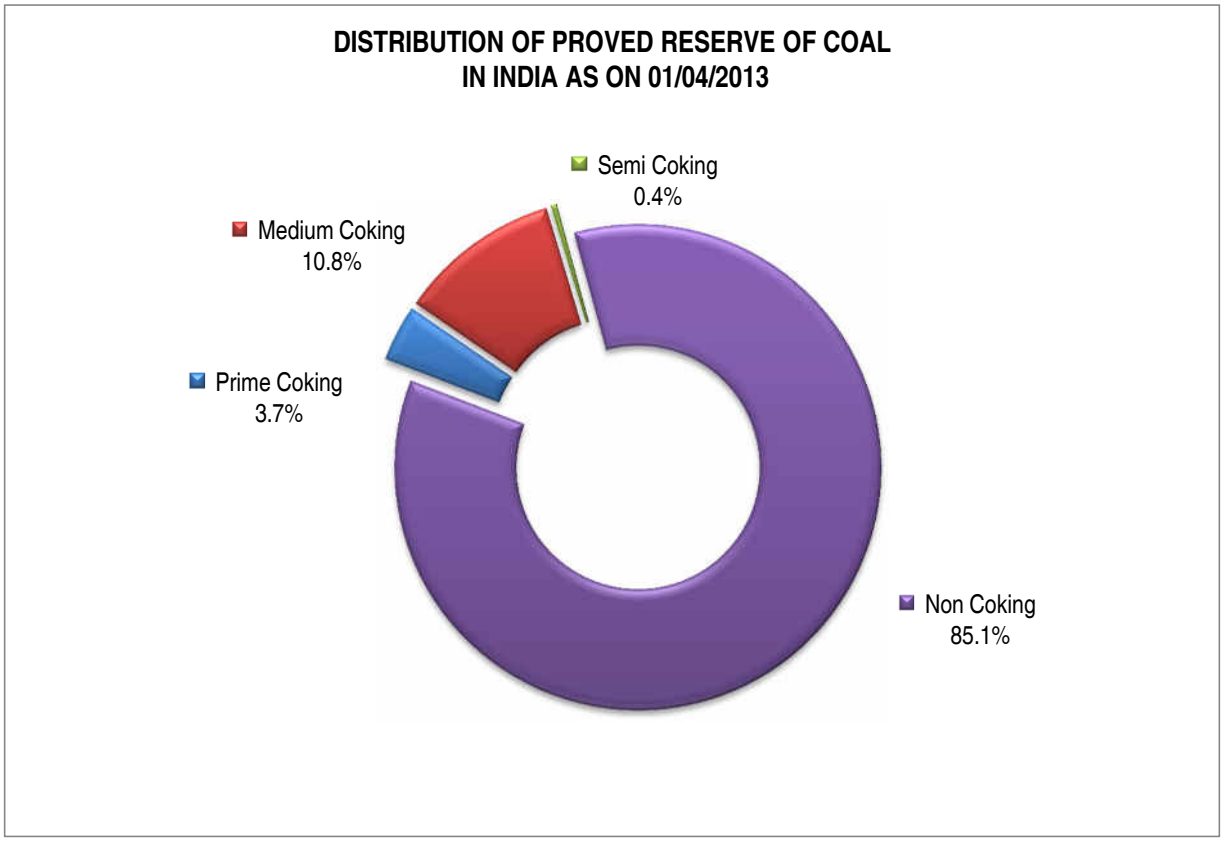
Availability (within India)	2011-12	2012-13
(A) Production		
Coking Coal	51.660	51.834
Non-coking Coal	488.290	505.873
Lignite	42.332	46.598
Total	**582.282**	**604.305**
(B) Change of Vendible Stock (Closing - 0pening)		
Coking Coal	-1.621	-3.628
Non-coking Coal	3.469	-8.262
Lignite	0.441	0.442
Total Change (Cl - Op)	**2.289**	**-11.448**
(C) Import		
Coking Coal	31.801	32.557
Non-coking Coal	71.052	105.002
Total Raw Coal	**102.853**	**137.559**
(D) Export	**2.015**	**2.825**
(E) Total Availability	**680.831**	**750.487**

Supply (within India)	2011-12				2012-13			
Sectors	Raw Coal	Lignite	Imported Coal	**Total**	Raw Coal	Lignite	Imported Coal	**Total**
Steel & Washery	16.054	0.032	31.801	**47.887**	15.880	0.049	32.557	**48.486**
Power (Utility+Captive)	410.368	32.063	27.305	**469.735**	444.292	37.308	36.518	**518.118**
Cement	13.179	1.0137	13.179	**27.372**	13.551	1.097	17.626	**32.274**
Textile	0.258	3.6685		**3.927**	0.298	3.468		**3.766**
Sponge Iron	21.686			**21.686**	20.828			**20.828**
Fertilizer & Chem.	2.821	0.002		**2.823**	2.502	0.001		**2.503**
Paper	2.026	0.631		**2.657**	2.130	0.695		**2.825**
Brick	0.129	0.98154		**1.111**	1.982	0.866		**2.848**
Others	68.778	3.492	30.568	**102.838**	68.304	2.928	50.857	**122.089**
Colliery Consmn.	0.582			**0.582**	0.466			**0.466**
Total Off-take	**535.881**	**41.883**	**102.853**	**680.616**	**570.233**	**46.412**	**137.559**	**754.204**
Statistical Difference				**0.197**				**-3.717**
Total Supply				**680.814**				**750.487**

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 openibg balance of next year. However it is noted that there is a significant change between closing stock of last year and opening stock of this year. This resulted an increase (in absolute terms) in Statistical difference.

TABLE - 1.6: INVENTORY OF GEOLOGICAL RESERVE OF COAL BY TYPE AS ON 2011, 2012 & 2013 (1st APRIL)

Type of Coal	As on	Reserve (Mill.Tonnes)			
		Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	***(6)***
Prime Coking	01/04/2011	4,614	699	0	***5,313***
	01/04/2012	4,614	699	0	***5,313***
	01/04/2013	4,614	699	0	***5,313***
Medium Coking	01/04/2011	12,573	12,001	1,880	***26,454***
	01/04/2012	12,837	11,951	1,880	***26,669***
	01/04/2013	13,269	11,893	1,879	***27,041***
Blendable / Semi Coking	01/04/2011	482	1,003	222	***1,707***
	01/04/2012	482	1,003	222	***1,707***
	01/04/2013	482	1,003	222	***1,707***
Non Coking (Including	01/04/2011	96,333	123,768	32,287	***252,387***
High Sulphur)	01/04/2012	100,211	128,515	31,081	***259,807***
	01/04/2013	104,816	129,037	30,999	***264,852***
Total	***01/04/2011 ****	***114,002***	***137,471***	***34,389***	***285,862***
	01/04/2012 *	***118,145***	***142,169***	***33,182***	***293,497***
	01/04/2013 *	***123,182***	***142,632***	***33,100***	***298,914***



**** Including Sikkim***

Source: Geological Survey of India

TABLE - 1.7: STATEWISE INVENTORY OF GEOLOGICAL RESOURCES OF COAL AS ON 1st APRIL 2011, 2012 & 2013

State	As on	Resources (Million Tonnes)			
		Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	***(6)***
GONDAWANA COALFIELDS					
ASSAM	1/4/2011	0	3	0	***3***
	1/4/2012	0	3	0	***3***
	1/4/2013	0	3	0	***3***
ANDHRA PRADESH	1/4/2011	9,297	9,728	3,029	***22,055***
	1/4/2012	9,567	9,554	3,034	***22,155***
	1/4/2013	9,604	9,554	3,049	***22,207***
JHARKHAND	1/4/2011	39,761	32,592	6,584	***78,936***
	1/4/2012	40,163	33,609	6,584	***80,356***
	1/4/2013	41,155	32,986	6,559	***80,701***
BIHAR	1/4/2011	0	0	160	***160***
	1/4/2012	0	0	160	***160***
	1/4/2013	0	0	160	***160***
MADHYA PRADESH	1/4/2011	8,871	12,192	2,063	***23,126***
	1/4/2012	9,309	12,291	2,777	***24,376***
	1/4/2013	9,818	12,355	2,889	***25,061***
CHHATTISGARH	1/4/2011	12,879	32,390	4,011	***49,280***
	1/4/2012	13,988	33,448	3,410	***50,846***
	1/4/2013	14,779	34,107	3,283	***52,169***
MAHARASHTRA	1/4/2011	5,490	3,094	1,950	***10,533***
	1/4/2012	5,667	3,104	2,110	***10,882***
	1/4/2013	5,667	3,186	2,110	***10,964***
ORISSA	1/4/2011	24,492	33,987	10,680	***69,159***
	1/4/2012	25,548	36,466	9,434	***71,447***
	1/4/2013	27,284	37,110	9,316	***73,710***
SIKKIM	1/4/2011	0	58	43	***101***
	1/4/2012	0	58	43	***101***
	1/4/2013	0	58	43	***101***
UTTAR PRADESH	1/4/2011	866	196	0	***1,062***
	1/4/2012	884	178	0	***1,062***
	1/4/2013	884	178	0	***1,062***
WEST BENGAL	1/4/2011	11,753	13,132	5,071	***29,955***
	1/4/2012	12,425	13,358	4,832	***30,616***
	1/4/2013	13,396	12,995	4,892	***31,283***
GONDAWANA	***1/4/2011***	***113,408***	***137,372***	***33,590***	***284,370***
	1/4/2012	***117,551***	***142,070***	***32,384***	***292,005***
	1/4/2013	***122,588***	***142,532***	***32,301***	***297,421***

State	As on	Resources (Million Tonnes)			
		Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	***(6)***
TERTIARY COAL FIELDS					
ARUNACHAL PRADESH	1/4/2011	31	40	19	***90***
	1/4/2012	31	40	19	***90***
	1/4/2013	31	40	19	***90***
ASSAM	1/4/2011	465	43	3	***511***
	1/4/2012	465	43	3	***511***
	1/4/2013	465	43	3	***511***
MEGHALAYA	1/4/2011	89	17	471	***576***
	1/4/2012	89	17	471	***576***
	1/4/2013	89	17	471	***576***
NAGALAND	1/4/2011	9	0	307	***315***
	1/4/2012	9	0	307	***315***
	1/4/2013	9	0	307	***315***
TERTIARY Coalfields	1/4/2011	594	99	799	***1,493***
	1/4/2012	594	99	799	***1,493***
	1/4/2013	594	99	799	***1,493***
INDIA	***1/4/2011***	***114,002***	***137,471***	***34,390***	***285,862***
	1/4/2012	***118,145***	***142,169***	***33,183***	***293,497***
	1/4/2013	***123,182***	***142,632***	***33,101***	***298,914***

Singrimari coalfield of Assam (Non-Coking) is included in Gondawana coalfield, not considered in Tertiary coalfields.

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 2011, 2012 & 2013

As on	State	Resources (Mill.Tonnes)			
		Proved	Indicated	Inferred	***Total***
(1)	(2)	(3)	(4)	(5)	***(6)***
1/4/2011	Gujarat	1243.65	318.70	1159.70	***2722.05***
1/4/2012	Gujarat	1278.65	283.70	1159.70	***2722.05***
1/4/2013	Gujarat	1278.65	283.70	1159.70	***2722.05***
1/4/2011	J & K	0.00	20.25	7.30	***27.55***
1/4/2012	J & K	0.00	20.25	7.30	***27.55***
1/4/2013	J & K	0.00	20.25	7.30	***27.55***
1/4/2011	Kerala	0.00	0.00	9.65	***9.65***
1/4/2012	Kerala	0.00	0.00	9.65	***9.65***
1/4/2013	Kerala	0.00	0.00	9.65	***9.65***
1/4/2011	Pondicherry	0.00	405.61	11.00	***416.61***
1/4/2012	Pondicherry	0.00	405.61	11.00	***416.61***
1/4/2013	Pondicherry	0.00	405.61	11.00	***416.61***
1/4/2011	Rajasthan	1166.96	2148.72	1519.61	***4835.29***
1/4/2012	Rajasthan	1167.02	2152.59	1587.40	***4907.01***
1/4/2013	Rajasthan	1167.02	2671.93	1850.57	***5689.52***
1/4/2011	Tamilnadu	3735.23	22900.05	6257.64	***32892.92***
1/4/2012	Tamilnadu	3735.23	22900.05	7242.85	***33878.13***
1/4/2013	Tamilnadu	3735.23	22900.05	7712.43	***34347.71***
1/4/2011	West Bengal	0.00	0.93	0.86	***1.79***
1/4/2012	West Bengal	0.00	0.93	0.86	***1.79***
1/4/2013	West Bengal	0.00	1.13	1.64	***2.77***
1/4/2011	***All India***	***6145.84***	***25794.26***	***8965.76***	***40905.86***
1/4/2012	***All India***	***6180.90***	***25763.13***	***10018.76***	***41962.79***
1/4/2013	***All India***	***6180.90***	***26282.67***	***10752.29***	***43215.86***

Note: Figures compiled by Neyveli Lignite Corporation Ltd.

TABLE: 1.9 - PERCENTAGE CHANGE IN ACTUAL OVER PROVISIONAL DURING LAST FIVE YEARS

(Figs. In Million Tonnes)

Year		Production				Despatch			
		Coking Coal	Non-coking Coal	**Total Coal**	Lignite	Coking Coal	Non-coking Coal	**Total Coal**	Lignite
2007-08	Provisional	34.592	421.805	**456.397**	33.980	33.561	419.199	**452.760**	34.657
	Actual	34.455	422.627	**457.082**	33.980	33.543	420.024	**453.567**	34.657
	Change(A-P)	-0.40%	0.19%	**0.15%**	0.00%	-0.05%	0.20%	**0.18%**	0.00%
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

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)
2003-04	361.246	5.85	27.958	7.46	389.204	5.97
2004-05	382.615	5.92	30.411	8.77	413.026	6.12
2005-06	407.039	6.38	30.228	0.60	437.267	5.87
2006-07	430.832	5.85	31.285	3.50	462.117	5.68
2007-08	457.082	6.09	33.980	8.61	491.062	6.26
2008-09	492.757	7.80	32.421	4.59	525.178	6.95
2009-10	532.042	7.97	34.071	5.09	566.113	7.79
2010-11	532.694	0.12	37.733	10.75	570.427	0.76
2011-12	539.950	1.36	42.332	12.19	582.282	2.08
2012-13	557.707	3.29	46.598	10.08	604.305	3.78

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)
2003-04	18.268	-0.5	29.401	-2.6	331.845	6.7	361.246	5.9
2004-05	18.194	-0.4	30.224	2.8	352.391	6.2	382.615	5.9
2005-06	17.123	-5.9	31.511	4.3	375.528	6.6	407.039	6.4
2006-07	17.231	0.6	32.097	1.9	398.735	6.2	430.832	5.8
2007-08	18.065	4.8	34.455	7.3	422.627	6.0	457.082	6.1
2008-09	17.301	-4.2	33.809	1.0	457.948	8.4	492.757	7.8
2009-10	17.731	2.5	44.413	31.4	487.629	6.5	532.042	8.0
2010-11	17.695	-0.2	49.547	11.6	483.147	-0.9	532.694	0.1
2011-12	16.239	-8.2	51.660	4.3	488.290	1.1	539.950	1.4
2012-13	14.504	-10.7	51.834	0.3	505.873	3.6	557.707	3.3

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)
2003-04	8.201	0.0			4.849	-2.3			13.121	-5.7
2004-05	8.790	7.2	10.556	N.A.	5.168	6.6	1.605	N.A.	12.673	-3.4
2005-06	8.376	-4.7	12.555	18.9	5.582	8.0	2.793	74.0	13.347	5.3
2006-07	7.025	-16.1	12.688	1.1	5.876	5.3	2.858	2.3	12.566	-5.9
2007-08	7.171	2.1	12.686	0.0	6.150	4.7	3.276	14.6	12.542	-0.2
2008-09	7.181	0.1	13.550	6.8	5.294	-13.9	3.264	-0.4	12.619	0.6
2009-10	6.547	-8.8	13.963	3.0	4.642	-12.3	3.264	0.0	12.663	0.3
2010-11	6.955	6.2	14.531	4.1	4.643	0.0	3.589	10.0	10.839	-14.4
2011-12	6.496	-6.6	15.437	6.2	3.674	-20.9	3.669	2.2	9.965	-8.1
2012-13	6.550	0.8	15.090	-2.2	4.174	13.6	3.761	2.5	9.271	-7.0

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 IN 2012-13

(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)
2012-13												
Apr-12	3.832	17.3	7.4	38.334	1.5	7.6	**42.166**	2.8	7.6	4.148	5.1	8.9
May-12	4.043	4.0	7.8	40.609	9.2	8.0	**44.652**	8.7	8.0	4.100	-4.5	8.8
Jun-12	3.916	-1.3	7.6	37.800	8.3	7.5	**41.716**	7.3	7.5	3.965	8.9	8.5
1st Quarter	**11.791**	**6.0**	**22.7**	**116.743**	**6.3**	**23.1**	**128.534**	**6.3**	**23.0**	**12.213**	**2.8**	**26.2**
Jul-12	3.859	5.9	7.4	35.616	0.3	7.0	**39.475**	0.8	7.1	3.463	28.3	7.4
Aug-12	3.463	28.4	6.7	32.715	8.7	6.5	**36.178**	10.3	6.5	3.338	22.2	7.2
Sep-12	3.418	10.8	6.6	32.680	21.6	6.5	**36.098**	20.4	6.5	3.269	21.1	7.0
2nd Quarter	**10.740**	**13.9**	**20.7**	**101.011**	**9.2**	**20.0**	**111.751**	**9.6**	**20.0**	**10.070**	**23.8**	**21.6**
Oct-12	3.714	0.7	7.2	40.547	12.1	8.0	**44.261**	11.1	7.9	3.364	24.5	7.2
Nov-12	4.142	-10.1	8.0	42.027	-1.9	8.3	**46.169**	-2.7	8.3	3.236	6.5	6.9
Dec-12	5.055	-1.1	9.8	48.637	0.6	9.6	**53.692**	0.5	9.6	3.908	9.3	8.4
3rd Quarter	**12.911**	**-3.7**	**24.9**	**131.211**	**3.0**	**25.9**	**144.122**	**2.4**	**25.8**	**10.508**	**12.8**	**22.6**
Jan-13	5.195	-2.3	10.0	51.278	2.8	10.1	**56.473**	2.3	10.1	4.202	4.1	9.0
Feb-13	5.012	-4.6	9.7	46.791	-8.4	9.2	**51.803**	-8.0	9.3	4.198	-2.0	9.0
Mar-13	6.185	-13.3	11.9	58.839	2.1	11.6	**65.024**	0.4	11.7	5.407	15.5	11.6
4th Quarter	**16.392**	**-7.4**	**31.6**	**156.908**	**-1.1**	**31.0**	**173.300**	**-1.7**	**31.1**	**13.807**	**6.2**	**29.6**
TOTAL	**51.834**	**0.3**	**100.3**	**505.873**	**3.6**	**103.6**	**557.707**	**3.3**	**103.3**	**46.598**	**10.1**	**110.1**

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

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

Cont….

TABLE 2.5: MONTHLY PRODUCTION OF DIFFERENT TYPES OF COAL PRODUCTS IN 2012-13

(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)
2012-13															
Apr-12	0.561	-0.2	8.6	1.144	-8.6	7.6	0.353	17.3	8.5	0.298	-3.2	8.1	0.780	-10.9	8.4
May-12	0.589	23.5	9.0	1.137	-5.1	7.5	0.354	23.8	8.5	0.331	1.2	9.0	0.785	-8.0	8.5
Jun-12	0.537	1.1	8.2	1.119	-7.7	7.4	0.306	-1.9	7.3	0.282	-12.7	7.7	0.749	-9.4	8.1
1st Quarter	**1.687**	**7.5**	**25.8**	**3.400**	**-7.2**	**22.5**	**1.013**	**12.7**	**24.3**	**0.911**	**-4.9**	**24.8**	**2.314**	**-9.4**	**25.0**
Jul-12	0.488	-10.0	7.5	1.213	-2.1	8.0	0.318	1.9	7.6	0.331	2.5	9.0	0.773	-12.1	8.3
Aug-12	0.474	-6.5	7.2	1.207	12.7	8.0	0.283	-0.7	6.8	0.325	3.2	8.9	0.770	-9.9	8.3
Sep-12	0.506	-1.4	7.7	1.151	4.4	7.6	0.330	8.2	7.9	0.323	38.0	8.8	0.745	-9.8	8.0
2nd Quarter	**1.468**	**-6.0**	**22.4**	**3.571**	**4.7**	**23.7**	**0.931**	**3.2**	**22.3**	**0.979**	**12.3**	**26.7**	**2.288**	**-10.6**	**24.7**
Oct-12	0.546	14.7	8.3	1.368	10.3	9.1	0.336	17.5	8.0	0.342	26.7	9.3	0.764	-9.3	8.2
Nov-12	0.522	-4.9	8.0	1.406	-0.1	9.3	0.373	19.6	8.9	0.300	-5.7	8.2	0.757	-7.2	8.2
Dec-12	0.574	0.7	8.8	1.398	-7.4	9.3	0.375	16.8	9.0	0.289	-5.6	7.9	0.796	-3.6	8.6
3rd Quarter	**1.642**	**2.9**	**25.1**	**4.172**	**0.4**	**27.6**	**1.084**	**18.0**	**26.0**	**0.931**	**4.1**	**25.4**	**2.317**	**-6.7**	**25.0**
Jan-13	0.596	0.3	9.1	1.417	-3.7	9.4	0.386	15.2	9.2	0.295	0.7	8.0	0.801	-0.9	8.6
Feb-13	0.549	-6.2	8.4	1.275	-4.0	8.4	0.350	6.7	8.4	0.302	0.7	8.2	0.737	-2.0	7.9
Mar-13	0.608	3.1	9.3	1.255	-10.7	8.3	0.410	40.9	9.8	0.343	-2.6	9.3	0.814	1.0	8.8
4th Quarter	**1.753**	**-0.9**	**26.8**	**3.947**	**-6.1**	**26.2**	**1.146**	**20.1**	**27.5**	**0.940**	**-0.5**	**25.6**	**2.352**	**-0.6**	**25.4**
TOTAL	**6.550**	**0.8**	**100.8**	**15.090**	**-2.2**	**97.8**	**4.174**	**13.6**	**113.6**	**3.761**	**2.5**	**104.8**	**9.271**	**-7.0**	**93.0**

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

(2) **Share (%) is caculated 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

(Million Tonnes)

Year	State: Andhra Pradesh			State: Assam			State: Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2003-04	33.854	9.4	1.9	0.733	0.2	15.8	61.505	17.0	8.4
2004-05	35.303	9.2	4.3	0.628	0.2	-14.3	69.253	18.1	12.6
2005-06	36.138	8.9	2.4	1.101	0.3	75.3	76.358	18.8	10.3
2006-07	37.707	8.8	4.3	1.050	0.2	-4.6	83.241	19.3	9.0
2007-08	40.604	8.9	7.7	1.101	0.2	4.9	90.172	19.7	8.3
2008-09	44.546	9.0	9.7	1.009	0.2	-8.4	101.922	20.7	13.0
2009-10	50.429	9.5	13.2	1.113	0.2	10.3	109.953	20.7	7.9
2010-11	51.333	9.6	1.8	1.101	0.2	-1.1	113.825	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	9.5	1.9	0.605	0.1	0.5	117.830	21.1	3.4

Year	State: Jammu & Kashmir			State: Jharkhand			State: Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2003-04	0.019	0.0	-24.0	79.526	22.0	1.1	49.826	13.8	8.9
2004-05	0.023	0.0	21.1	78.038	20.4	-1.9	52.511	13.7	5.4
2005-06	0.019	0.0	-17.4	85.423	21.0	9.5	55.579	13.7	5.8
2006-07	0.016	0.0	-15.8	88.764	20.6	3.9	59.726	13.9	7.5
2007-08	0.017	0.0	6.3	90.895	19.9	2.4	67.841	14.8	13.6
2008-09	0.011	0.0	-35.3	96.272	19.5	5.9	71.325	14.5	5.1
2009-10	0.023	0.0	109.1	105.917	19.9	10.0	74.074	13.9	3.9
2010-11	0.023	0.0	0.0	108.949	20.5	2.9	71.104	13.3	-4.0
2011-12	0.020	0.0	-13.0	109.566	20.3	0.6	71.123	13.2	0.0
2012-13	0.019	0.0	-5.0	111.203	19.9	1.5	77.278	13.9	8.7

Year	State: Maharashtra			State: Meghalaya		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)
2003-04	32.912	9.1	5.0	5.439	1.5	19.0
2004-05	34.529	9.0	4.9	5.345	1.4	-1.8
2005-06	36.119	8.9	4.6	5.566	1.4	4.0
2006-07	36.215	8.4	0.3	5.787	1.3	3.8
2007-08	36.403	8.0	0.5	6.541	1.4	11.5
2008-09	38.705	7.9	6.3	5.489	1.1	-19.2
2009-10	41.005	7.7	5.9	5.767	1.1	4.8
2010-11	39.336	7.4	-4.1	6.974	1.3	17.3
2011-12	39.159	7.3	-0.4	7.206	1.3	3.2
2012-13	39.003	7.0	-0.4	7.137	1.3	-1.0

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

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

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

(Million Tonnes)

Year	State: Orissa			State: Uttar Pradesh			State: West Bengal		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2003-04	60.147	16.6	15.2	15.791	4.4	-11.2	21.494	5.9	5.0
2004-05	66.604	17.4	10.7	16.804	4.4	6.4	23.577	6.2	9.7
2005-06	70.540	17.3	5.9	15.721	3.9	-6.4	24.475	6.0	3.8
2006-07	81.160	18.8	15.1	12.228	2.8	-22.2	24.938	5.8	1.9
2007-08	89.482	19.6	10.3	11.426	2.5	-6.6	22.521	4.9	-9.7
2008-09	98.402	20.0	10.0	12.029	2.4	5.3	22.905	4.6	1.7
2009-10	106.409	20.0	8.1	13.968	2.6	16.1	23.133	4.3	1.0
2010-11	102.565	19.3	-3.6	15.526	2.9	11.2	21.659	4.1	-6.4
2011-12	105.476	19.5	2.8	16.178	3.0	4.2	24.230	4.5	11.9
2012-13	110.131	19.7	4.4	14.760	2.6	-8.8	26.478	4.7	9.3

Year	State: Arunachal Pradesh		
	Quantity	Share (%)	Growth (%)
(41)	(42)	(43)	(44)
2003-04			
2004-05			
2005-06			
2006-07			
2007-08	0.079	0.0	0.0
2008-09	0.142	0.0	79.7
2009-10	0.251	0.0	76.8
2010-11	0.299	0.1	19.1
2011-12	0.221	0.0	-26.1
2012-13	0.073	0.0	-67.0

Year	ALL INDIA	
	Quantity	Growth (%)
(45)	(46)	(47)
2003-04	**361.246**	5.9
2004-05	**382.615**	5.9
2005-06	**407.039**	6.4
2006-07	**430.832**	5.8
2007-08	**457.082**	6.1
2008-09	**492.757**	7.8
2009-10	**532.042**	8.0
2010-11	**532.694**	0.1
2011-12	**539.950**	1.4
2012-13	**557.707**	3.3

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

(Million Tonnes)

Year	State: Tamilnadu			State: Gujarat			State: Rajasthan			ALL INDIA	
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	**Quantity**	**Growth (%)**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(12)	(13)
2003-04	20.556	73.5	10.4	6.724	24.1	-2.8	0.678	2.4	43.3	**27.958**	7.5
2004-05	21.567	71.1	4.9	8.222	27.1	22.3	0.548	1.8	-19.2	**30.337**	8.5
2005-06	20.435	68.0	-5.2	8.944	29.7	8.8	0.687	2.3	25.4	**30.066**	-0.9
2006-07	21.014	67.2	2.8	9.808	31.4	9.7	0.463	1.5	-32.6	**31.285**	4.1
2007-08	21.586	63.5	2.7	11.788	34.7	20.2	0.606	1.8	30.9	**33.980**	8.6
2008-09	21.308	65.7	-1.3	10.114	31.2	-14.2	0.999	3.1	64.9	**32.421**	-4.6
2009-10	22.338	65.6	4.8	10.526	30.9	4.1	1.207	3.5	20.8	**34.071**	5.1
2010-11	23.144	61.3	3.6	13.064	34.6	24.1	1.525	4.0	26.3	**37.733**	10.7
2011-12	24.590	58.1	6.2	14.779	34.9	13.1	2.963	7.0	94.3	**42.332**	12.2
2012-13	26.223	56.3	6.6	14.674	31.5	-0.7	5.701	12.2	92.4	**46.598**	10.1

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

Million Tonnes

State	2008-2009	2009-2010	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)
COKING					
Chhattisgarh	0.146	0.150	0.163	0.189	0.157
Jharkhand	33.877	43.666	48.945	51.108	51.317
Madhya Pradesh	0.730	0.545	0.403	0.319	0.330
West Bengal	0.056	0.052	0.036	0.044	0.030
Total Coking	**34.809**	**44.413**	**49.547**	**51.660**	**51.834**
NON-COKING					
Andhra Pradesh	44.546	50.429	51.333	52.211	53.190
Arunachal Pradesh	0.142	0.251	0.299	0.221	0.073
Assam	1.009	1.113	1.101	0.602	0.605
Chhattisgarh	101.776	109.803	113.661	113.769	117.673
Jammu & Kashmir	0.011	0.023	0.024	0.020	0.019
Jharkhand	62.395	62.251	60.004	58.458	59.886
Madhya Pradesh	70.595	73.529	70.701	70.804	76.948
Maharashtra	38.705	41.005	39.336	39.159	39.003
Meghalaya	5.489	5.767	6.974	7.206	7.137
Orissa	98.402	106.409	102.565	105.476	110.131
Uttar Pradesh	12.029	13.968	15.526	16.178	14.760
West Bengal	22.849	23.081	21.623	24.186	26.448
Total Non-Coking	**457.948**	**487.629**	**483.147**	**488.290**	**505.873**

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

Million Tonnes

State	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(3)	(4)	(5)	(6)	(6)
Tamilnadu	21.308	22.338	23.144	24.590	26.223
Gujarat	10.114	10.526	13.064	14.779	14.674
Rajasthan	0.999	1.207	1.525	2.963	5.701
TOTAL	**32.421**	**34.071**	**37.733**	**42.332**	**46.598**

TABLE 2.9 : COMPANY WISE PRODUCTION OF RAW COAL (COKING & NON-COKING) & LIGNITE DURING LAST THREE YEARS

[Milllion tonnes]

Company	2010-11				2011-12				2012-13			
	Coking	Non Coking	**Total**	% of all India	Coking	Non Coking	**Total**	% of all India	Coking	Non Coking	**Total**	% of all India
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
ECL	0.046	30.757	**30.803**	5.78	0.051	30.507	**30.558**	5.66	0.043	33.868	**33.911**	6.08
BCCL	25.283	3.721	**29.004**	5.44	27.250	2.957	**30.207**	5.59	26.970	4.243	**31.213**	5.60
CCL	15.435	32.086	**47.521**	8.92	15.549	32.455	**48.004**	8.89	16.156	31.905	**48.061**	8.62
NCL		66.253	**66.253**	12.44		66.401	**66.401**	12.30		70.021	**70.021**	12.56
WCL	0.403	43.251	**43.654**	8.19	0.319	42.791	**43.110**	7.98	0.330	41.957	**42.287**	7.58
SECL	0.163	112.542	**112.705**	21.16	0.189	113.648	**113.837**	21.08	0.157	118.062	**118.219**	21.20
MCL		100.280	**100.280**	18.83		103.119	**103.119**	19.10		107.894	**107.894**	19.35
NEC		1.101	**1.101**	0.21		0.602	**0.602**	0.11		0.605	**0.605**	0.11
CIL	**41.330**	**389.991**	**431.321**	**80.97**	**43.358**	**392.480**	**435.838**	**80.72**	**43.656**	**408.555**	**452.211**	**81.08**
SCCL		51.333	**51.333**	9.64		52.211	**52.211**	9.67		53.190	**53.190**	9.54
JKML		0.024	**0.024**	0.00		0.020	**0.020**	0.00		0.019	**0.019**	0.00
JSMDCL		0.399	**0.399**	0.07		0.118	**0.118**	0.02			**0.000**	0.00
DVC	0.311		**0.311**	0.06	0.328	0	**0.328**	0.06	0.203		**0.203**	0.04
IISCO	0.855	0.227	**1.082**	0.20	0.434	0.164	**0.598**	0.11	0.591	0.155	**0.746**	0.13
APMDTCL		0.299	**0.299**	0.06		0.221	**0.221**	0.04		0.073	**0.073**	0.01
SAIL	0.014		**0.014**	0.00	0.040		**0.040**	0.01	0.071		**0.071**	0.01
WBPDCL		0.257	**0.257**	0.05		0.216	**0.216**	0.04		0.261	**0.261**	0.05
DVC EMTA		0.021	**0.021**	0.00		1.165	**1.165**	0.22		1.836	**1.836**	0.33
RRUVNL				0.00				0.00		0.293	**0.293**	0.05
WBMDTCL				0.00				0.00		0.350	**0.350**	0.06
Total Public	**42.510**	**442.551**	**485.061**	**91.06**	**44.160**	**446.595**	**490.755**	**90.89**	**44.521**	**464.732**	**509.253**	**91.31**
BECML		2.876	**2.876**	0.54		2.598	**2.598**	0.48		3.005	**3.005**	0.54
ICML		2.929	**2.929**	0.55		3.745	**3.745**	0.69		3.128	**3.128**	0.56
JSPL		5.999	**5.999**	1.13		5.998	**5.998**	1.11		5.999	**5.999**	1.08
HIL		2.285	**2.285**	0.43		2.357	**2.357**	0.44		2.237	**2.237**	0.40
MEG		6.974	**6.974**	1.31		7.206	**7.206**	1.33		7.137	**7.137**	1.28
TISCO	7.003	0.023	**7.026**	1.32	7.394	0.067	**7.461**	1.38	7.214	0.081	**7.295**	1.31
MIL		0.952	**0.952**	0.18		0.851	**0.851**	0.16		0.795	**0.795**	0.14
BLA		0.297	**0.297**	0.06		0.299	**0.299**	0.06		0.300	**0.300**	0.05
CML			**0.000**	0.00			**0.000**	0.00			**0.000**	0.00
PANEM		8.031	**8.031**	1.51		8.301	**8.301**	1.54		6.853	**6.853**	1.23
PIL		1.000	**1.000**	0.19		1.000	**1.000**	0.19		1.000	**1.000**	0.18
JNL		0.406	**0.406**	0.08		0.480	**0.480**	0.09		0.480	**0.480**	0.09
JPL		5.688	**5.688**	1.07		5.250	**5.250**	0.97		5.250	**5.250**	0.94
SIL		0.114	**0.114**	0.02		0.160	**0.160**	0.03		0.248	**0.248**	0.04
ESCL	0.034		**0.034**	0.01	0.106		**0.106**	0.02	0.099		**0.099**	0.02
UML		0.300	**0.300**	0.06		0.351	**0.351**	0.07		0.560	**0.560**	0.10
KEMTA		2.275	**2.275**	0.43		2.189	**2.189**	0.41		2.506	**2.506**	0.45
SEML		0.432	**0.432**	0.08		0.774	**0.774**	0.14		0.976	**0.976**	0.18
BSIL		0.015	**0.015**	0.00		0.003	**0.003**	0.00		0.062	**0.062**	0.01
TUML						0.066	**0.066**	0.01		0.210	**0.210**	0.04
SPL										0.225	**0.225**	0.04
SOVA										0.089	**0.089**	0.02
Total Private	**7.037**	**40.596**	**47.633**	**8.94**	**7.500**	**41.695**	**49.195**	**9.11**	**7.313**	**41.141**	**48.454**	**8.69**
ALL INDIA	**49.547**	**483.147**	**532.694**	**100.00**	**51.660**	**488.290**	**539.950**	**100.00**	**51.834**	**505.873**	**557.707**	**100.00**
LIGNITE												
NLC			**23.144**	61.34			**24.590**	58.09			**26.223**	56.27
GMDCL			**10.232**	27.12			**11.343**	26.80			**10.905**	23.40
GIPCL			**2.521**	6.68			**3.042**	7.19			**3.472**	7.45
RSMML			**0.883**	2.34			**2.120**	5.01			**1.387**	2.98
GHCL			**0.311**	0.82			**0.394**	0.93			**0.297**	0.64
VS LIGNITE			**0.642**	1.70			**0.843**	1.99			**0.814**	1.75
BLMCL											**3.500**	7.51
ALL INDIA			**37.733**	**100.00**			**42.332**	**100.00**			**46.598**	**100.00**
COAL & LIGNITE			**570.427**				**582.282**				**604.305**	

TABLE 2.10: STATEWISE AND COMPANYWISE PRODUCTION OF RAW COAL BY TYPES IN LAST THREE YEARS

[Million Tonnes]

STATES	COAL COMPANY	2010 - 2011			2011 - 2012			2012 - 2013		
		Coking	Non Coking	Total	Coking	Non Coking	**Total**	Coking	Non Coking	**Total**
(1)	(2)	(3)	(4)	**(5)**	(6)	(7)	**(8)**	(9)	(8)	**(9)**
Andhra Pradesh	**SCCL**		**51.333**	**51.333**		**52.211**	**52.211**		**53.190**	**53.190**
Arunachal Pradesh	**APMDTCL**		**0.299**	**0.299**		**0.221**	**0.221**		**0.073**	**0.073**
Assam	**NEC**		**1.101**	**1.101**		**0.602**	**0.602**		**0.605**	**0.605**
Chhattisgarh	SECL	0.163	99.184	99.347	0.189	99.416	**99.605**	0.157	102.880	**103.037**
Chhattisgarh	JSPL		5.999	5.999		5.998	**5.998**		5.999	**5.999**
Chhattisgarh	MIL		0.952	0.952		0.851	**0.851**		0.795	**0.795**
Chhattisgarh	PIL		1.000	1.000		1.000	**1.000**		1.000	**1.000**
Chhattisgarh	JPL		5.688	5.688		5.250	**5.250**		5.250	**5.250**
Chhattisgarh	JNL		0.406	0.406		0.480	**0.480**		0.480	**0.480**
Chhattisgarh	SEML		0.432	0.432		0.774	**0.774**		0.976	**0.976**
Chhattisgarh	RRUVNL								0.293	**0.293**
Chhattisgarh	**TOTAL**	**0.163**	**113.661**	**113.824**	**0.189**	**113.769**	**113.958**	**0.157**	**117.673**	**117.830**
Jammu & Kashmir	**JKML**		**0.024**	**0.024**		**0.020**	**0.020**		**0.019**	**0.019**
Jharkhand	ECL	0.039	15.444	15.483	0.041	14.209	**14.250**	0.033	16.290	**16.323**
Jharkhand	BCCL	25.254	3.721	28.975	27.216	2.957	**30.173**	26.950	4.197	**31.147**
Jharkhand	CCL	15.435	32.086	47.521	15.549	32.455	**48.004**	16.156	31.905	**48.061**
Jharkhand	JSMDCL		0.399	0.399		0.118	**0.118**		0.000	**0.000**
Jharkhand	DVC	0.311		0.311	0.328		**0.328**	0.203		**0.203**
Jharkhand	IISCOCJ	0.855		0.855	0.434		**0.434**	0.591		**0.591**
Jharkhand	TISCO	7.003	0.023	7.026	7.394	0.067	**7.461**	7.214	0.081	**7.295**
Jharkhand	CML			0.000			**0.000**			**0.000**
Jharkhand	PANEM		8.031	8.031		8.301	**8.301**		6.853	**6.853**
Jharkhand	UML		0.300	0.300		0.351	**0.351**		0.560	**0.560**
Jharkhand	ESCL	0.034		0.034	0.106		**0.106**	0.099		**0.099**
Jharkhand	SAIL	0.014		0.014	0.040		**0.040**	0.071		**0.071**
Jharkhand	**TOTAL**	**48.945**	**60.004**	**108.949**	**51.108**	**58.458**	**109.566**	**51.317**	**59.886**	**111.203**
Madhya Pradesh	NCL		50.727	50.727		50.223	**50.223**		55.261	**55.261**
Madhya Pradesh	WCL	0.403	6.319	6.722	0.319	6.050	**6.369**	0.330	5.980	**6.310**
Madhya Pradesh	SECL		13.358	13.358		14.232	**14.232**		15.182	**15.182**
Madhya Pradesh	BLA		0.297	0.297		0.299	**0.299**		0.300	**0.300**
Madhya Pradesh	SPL								0.225	**0.225**
Madhya Pradesh	**TOTAL**	**0.403**	**70.701**	**71.104**	**0.319**	**70.804**	**71.123**	**0.330**	**76.948**	**77.278**
Maharashtra	WCL		36.932	36.932		36.741	**36.741**		35.977	**35.977**
Maharashtra	SIL		0.114	0.114		0.160	**0.160**		0.248	**0.248**
Maharashtra	BSIL		0.015	0.015		0.003	**0.003**		0.062	**0.062**
Maharashtra	KEMTA		2.275	2.275		2.189	**2.189**		2.506	**2.506**
Maharashtra	TUML					0.066	**0.066**		0.210	**0.210**
Maharashtra	**TOTAL**	**0.000**	**39.336**	**39.336**	**0.000**	**39.159**	**39.159**	**0.000**	**39.003**	**39.003**
Meghalaya	**MEG**		**6.974**	**6.974**		**7.206**	**7.206**		**7.137**	**7.137**
Orissa	MCL		100.280	100.280		103.119	**103.119**		107.894	**107.894**
Orissa	HIL		2.285	2.285		2.357	**2.357**		2.237	**2.237**
Orissa	**TOTAL**		**102.565**	**102.565**		**105.476**	**105.476**		**110.131**	**110.131**
Uttar Pradesh	**NCL**		**15.526**	**15.526**		**16.178**	**16.178**		**14.760**	**14.760**
West Bengal	ECL	0.007	15.313	15.320	0.010	16.298	**16.308**	0.010	17.578	**17.588**
West Bengal	BCCL	0.029	0.000	0.029	0.034	0.000	**0.034**	0.020	0.046	**0.066**
West Bengal	IISCOR		0.227	0.227		0.164	**0.164**		0.155	**0.155**
West Bengal	BECML		2.876	2.876		2.598	**2.598**		3.005	**3.005**
West Bengal	ICML		2.929	2.929		3.745	**3.745**		3.128	**3.128**
West Bengal	WBPDCL		0.257	0.257		0.216	**0.216**		0.261	**0.261**
West Bengal	DVC EMTA		0.021	0.021		1.165	**1.165**		1.836	**1.836**
West Bengal	SOVA								0.089	**0.089**
West Bengal	WBMDTCL								0.350	**0.350**
West Bengal	**TOTAL**	**0.036**	**21.623**	**21.659**	**0.044**	**24.186**	**24.230**	**0.030**	**26.448**	**26.478**
Total Public	**TOTAL**	**42.510**	**442.551**	**485.061**	**44.160**	**446.595**	**490.755**	**44.521**	**464.732**	**509.253**
Total Private		**7.037**	**40.596**	**47.633**	**7.500**	**41.695**	**49.195**	**7.313**	**41.141**	**48.454**
All India		**49.547**	**483.147**	**532.694**	**51.660**	**488.290**	**539.950**	**51.834**	**505.873**	**557.707**

TABLE 2.11: GRADEWISE PRODUCTION OF COKING COAL BY COMPANIES IN 2012-13

(Million Tonnes)

Companies	PRODUCTION OF COKING COAL										
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	SLV1	Met.Coal	Non Met	**Total Coking**
ECL			0.010			0.033			0.010	0.033	**0.043**
BCCL	0.071	1.371		0.259	1.157	7.692	16.420		3.435	23.535	**26.970**
CCL					0.128	2.721	13.307		2.853	13.303	**16.156**
NCL											**0.000**
WCL					0.330				0.330	0.000	**0.330**
SECL			0.157							0.157	**0.157**
MCL											**0.000**
NEC											**0.000**
CIL	**0.071**	**1.371**	**0.167**	**0.259**	**1.615**	**10.446**	**29.727**	**0.000**	**6.628**	**37.028**	**43.656**
SCCL											**0.000**
JKML											**0.000**
JSMDCL											**0.000**
DVC							0.203			0.203	**0.203**
DVCEMTA											**0.000**
IISCO						0.032	0.559		0.591		**0.591**
SAIL							0.071		0.071		**0.071**
APMDTCL											**0.000**
WBPDCL											0.000
RRUVNL											**0.000**
WBMDTCL											**0.000**
PUBLIC	**0.071**	**1.371**	**0.167**	**0.259**	**1.615**	**10.478**	**30.560**	**0.000**	**7.290**	**37.231**	**44.521**
BECML											**0.000**
ICML											**0.000**
JSPL											**0.000**
HIL											**0.000**
MEG											**0.000**
TISCO					0.238	1.085	5.891		7.214		**7.214**
MIL											**0.000**
BLA											**0.000**
CML											**0.000**
PANEM											**0.000**
PIL											**0.000**
JNL											**0.000**
JPL											**0.000**
SIL											**0.000**
ESCL							0.099			0.099	**0.099**
UML											**0.000**
KEMTA											**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**	**0.238**	**1.085**	**5.990**	**0.000**	**7.214**	**0.099**	**7.313**
GRAND TOTAL	**0.071**	**1.371**	**0.167**	**0.259**	**1.853**	**11.563**	**36.550**	**0.000**	**14.504**	**37.330**	**51.834**

Contd....

TABLE 2.11: GRADEWISE PRODUCTION OF NON COKING COAL BY COMPANIES IN 2012-13

(Million Tonnes)

Companies	PRODUCTION OF NON-COKING COAL																	Total N-coking	Total Coal
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
ECL		0.076	1.330	11.751	4.574	1.749	0.750	0.214			13.424							**33.868**	**33.911**
BCCL		0.076	0.949	0.193	0.340	2.524	0.041	0.107			0.013							**4.243**	**31.213**
CCL				0.236	1.926	1.061	1.319	1.027	19.556	2.921	3.859							**31.905**	**48.061**
NCL					0.915	0.122	15.804	9.095	44.085									**70.021**	**70.021**
WCL				0.033	0.497	1.702	3.153	8.826	27.746									**41.957**	**42.287**
SECL			3.343	4.543	6.054	8.981	4.707	1.141		9.403	72.079	7.811						**118.062**	**118.219**
MCL					0.118		0.035	0.229	1.306	2.240	11.644	25.339	66.983					**107.894**	**107.894**
NEC	0.259	0.279		0.067														**0.605**	**0.605**
CIL	**0.259**	**0.431**	**5.622**	**16.823**	**14.424**	**16.139**	**25.809**	**20.639**	**92.693**	**14.564**	**101.019**	**33.150**	**66.983**	**0.000**	**0.000**	**0.000**	**0.000**	**408.555**	**452.211**
SCCL		0.035			0.686		7.279		13.102	0.172	15.958		12.531		2.143		1.284	**53.190**	**53.190**
JKML																	0.019	**0.019**	**0.019**
JSMDCL																		**0.000**	**0.000**
DVC																		**0.000**	**0.203**
DVCEMTA						0.551	1.285											**1.836**	**1.836**
IISCO		0.014		0.029	0.112													**0.155**	**0.746**
SAIL																		**0.000**	**0.071**
APMDTCL																	**0.073**	**0.073**	**0.073**
WBPDCL				0.261														**0.261**	**0.261**
RRUVNL								0.293										**0.293**	**0.293**
WBMDTCL				0.259	0.091													**0.350**	**0.350**
PUBLIC	**0.259**	**0.480**	**5.622**	**17.372**	**15.313**	**16.690**	**34.373**	**20.932**	**105.795**	**14.736**	**116.977**	**33.150**	**79.514**	**0.000**	**2.143**	**0.000**	**1.376**	**464.732**	**509.253**
BECML						3.005												**3.005**	**3.005**
ICML											3.128							**3.128**	**3.128**
JSPL						0.772											5.227	**5.999**	**5.999**
HIL													1.523	0.714				**2.237**	**2.237**
MEG	7.137																	**7.137**	**7.137**
TISCO																	0.081	**0.081**	**7.295**
MIL							0.421					0.374						**0.795**	**0.795**
BLA					0.007	0.048	0.056			0.137	0.052							**0.300**	**0.300**
CML																		**0.000**	**0.000**
PANEM						2.399		3.426	1.028									**6.853**	**6.853**
PIL									1.000									**1.000**	**1.000**
JNL									0.365			0.115						**0.480**	**0.480**
JPL												1.976		1.644		1.630		**5.250**	**5.250**
SIL									**0.248**									**0.248**	**0.248**
ESCL																		**0.000**	**0.099**
UML						0.560												**0.560**	**0.560**
KEMTA									2.506									**2.506**	**2.506**
SEML						0.276	0.700											**0.976**	**0.976**
BSIL													0.062					**0.062**	**0.062**
TUML															0.210			**0.210**	**0.210**
SPL								0.225										**0.225**	**0.225**
SOVA								0.089										**0.089**	**0.089**
PRIVATE	**7.137**	**0.000**	**0.000**	**0.000**	**0.007**	**7.060**	**1.177**	**3.740**	**5.147**	**0.137**	**3.180**	**2.465**	**1.585**	**2.358**	**0.210**	**1.630**	**5.308**	**41.141**	**48.454**
GRAND TOTAL	**7.396**	**0.480**	**5.622**	**17.372**	**15.320**	**23.750**	**35.550**	**24.672**	**110.942**	**14.873**	**120.157**	**35.615**	**81.099**	**2.358**	**2.353**	**1.630**	**6.684**	**505.873**	**557.707**

TABLE -2.12: TRENDS OF PRODUCTION OF RAW COAL FROM OPENCAST AND UNDERGROUND MINES IN LAST TEN YEARS

(Million Tonnes)

YEAR	Open Cast					Under Ground					Raw Coal	
	Production			All India OC Share (%)	All India OC Growth (%)	Production			All India UG Share (%)	All India UG Growth (%)	**Production**	Growth (%)
	by CIL	by SCCL	All India			by CIL	by SCCL	All India				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2003-04	258.919	20.540	298.493	82.63	7.33	47.445	13.314	62.753	17.37	-0.64	361.246	5.85
2004-05	276.534	22.329	320.266	83.70	7.29	47.041	12.974	62.349	16.30	-0.64	382.615	5.92
2005-06	297.572	23.427	346.074	85.02	8.06	45.817	12.711	60.965	14.98	-2.22	407.039	6.38
2006-07	317.591	25.831	373.134	86.61	7.82	43.322	11.876	57.698	13.39	-5.36	430.832	5.85
2007-08	335.918	27.959	398.182	87.11	6.71	43.541	12.645	58.900	12.89	2.08	457.082	6.09
2008-09	359.771	32.459	433.785	88.03	8.94	43.959	12.087	58.972	11.97	0.12	492.757	7.80
2009-10	387.997	38.460	473.519	89.00	9.16	43.262	11.969	58.523	11.00	-0.76	532.042	7.97
2010-11	391.303	39.705	477.839	89.70	0.91	40.018	11.628	54.855	10.30	-6.27	532.694	0.12
2011-12	397.443	41.572	488.108	90.40	2.15	38.390	10.639	51.832	9.60	-5.51	539.940	1.36
2012-13	414.435	41.593	505.501	90.64	3.56	37.776	11.597	52.206	9.36	0.72	557.707	3.29

TABLE 2.13 : COMPANY WISE PRODUCTION OF RAW COAL FROM OPENCAST AND UNDER GROUND MINES IN TWO YEARS

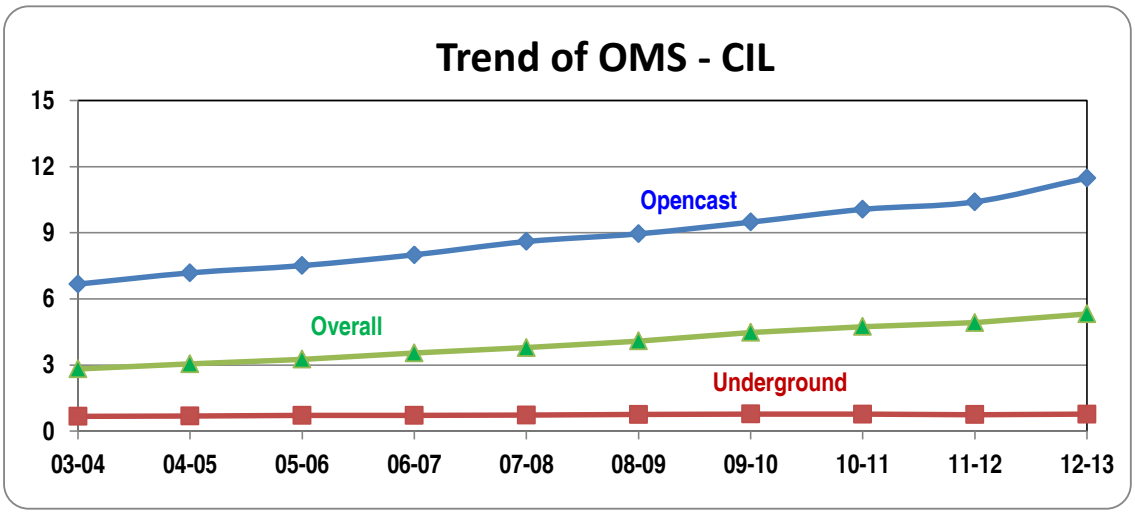
COMPANIES	YEAR 2011 - 2012						YEAR 2012 - 2013					
	OPENCAST			UNDER GROUND			OPENCAST			UNDER GROUND		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(2)	(3)	(4)	(5)	(6)	(7)
ECL	**23.725**	77.64	1.25	**6.833**	22.36	-7.31	**27.062**	79.80	14.07	**6.849**	20.20	0.23
BCCL	**26.725**	88.47	5.60	**3.482**	11.53	-5.79	**28.060**	89.90	5.00	**3.153**	10.10	-9.45
CCL	**46.914**	97.73	1.44	**1.090**	2.27	-14.44	**47.037**	97.87	0.26	**1.024**	2.13	-6.06
NCL	**66.401**	100.00	0.22				**70.021**	100.00	5.45			
WCL	**34.720**	80.54	-0.66	**8.390**	19.46	-3.61	**34.087**	80.61	-1.82	**8.200**	19.39	-2.26
SECL	**97.429**	85.59	1.59	**16.408**	14.41	-2.35	**101.350**	85.73	4.02	**16.869**	14.27	2.81
MCL	**100.933**	97.88	2.87	**2.186**	2.12	0.88	**106.216**	98.44	5.23	**1.678**	1.56	-23.24
NEC	**0.598**	99.34	-45.59	**0.004**	0.66		**0.602**	99.50	0.67	**0.003**	0.50	-25.00
CIL	**397.445**	**91.19**	**1.57**	**38.393**	**8.81**	**-4.06**	**414.435**	**91.65**	**4.27**	**37.776**	**8.35**	**-1.61**
SCCL	**41.573**	79.62	4.70	**10.638**	20.38	-8.51	**41.593**	78.20	0.05	**11.597**	21.80	9.01
JKML				**0.020**	100.00	-16.67				**0.019**	100.00	-5.00
JSMDCL	**0.118**	100.00	-70.43									
DVC	**0.328**	100.00	5.47				**0.203**	100.00	-38.11			
IISCO	**0.469**	78.43	-43.15	**0.129**	21.57	-49.81	**0.635**	85.12	35.39	**0.111**	14.88	-13.95
APMDTCL	**0.221**	100.00	-26.09				**0.073**	100.00	-66.97			
WBPDCL	**0.216**	100.00	-15.95				**0.261**	100.00	20.83			
SAIL	**0.040**	100.00	185.71				**0.071**	100.00	77.50			
DVC EMTA	**1.165**	100.00					**1.836**	100.00	57.60			
RRUVNL							**0.293**	100.00	0.00			
WBMDTCL							**0.350**	100.00	0.00			
PUBLIC	**441.575**	**89.98**	**1.95**	**49.180**	**10.02**	**-5.29**	**459.750**	**90.28**	**4.12**	**49.503**	**9.72**	**0.66**
BECML	**2.598**	100.00	-9.67				**3.005**	100.00	15.67			
ICML	**3.745**	100.00	27.86				**3.128**	100.00	-16.48			
JSPL	**5.998**	100.00	-0.02				**5.999**	100.00	0.02			
HIL	**2.357**	100.00	3.15				**2.237**	100.00	-5.09			
Meghalaya	**7.206**	100.00	3.33				**7.137**	100.00	-0.96			
TISCO	**5.975**	80.08	9.85	**1.486**	19.92	-6.36	**5.918**	81.12	-0.95	**1.377**	18.88	-7.34
MIL				**0.851**	100.00	-10.61	**0.000**			**0.795**	100.00	-6.58
BLA	**0.299**	100.00	0.67				**0.300**	100.00	0.33			
CML	**0**						**0**					
PANEM	**8.301**	100.00	3.36				**6.853**	100.00	-17.44			
PIL	**1.000**	100.00	0.00				**1.000**	100.00	0.00			
JNL	**0.200**	41.67	52.67	**0.280**	58.33	1.82	**0.200**	41.67	0.00	**0.280**	58.33	0.00
JPL	**5.250**	100.00	-7.70				**5.250**	100.00	0.00			
SIL				**0.160**	100.00	40.35				**0.248**	100.00	55.00
UML	**0.351**	100.00	17.00				**0.560**	100.00	59.54			
KEMTA	**2.189**	100.00	-3.78				**2.506**	100.00	14.48			
ESCL	**0.106**	100.00	211.76				**0.096**	96.97	-9.43	**0.003**	3.03	0.00
SEML	**0.774**	100.00	79.17				**0.976**	100.00	26.10			
BSIL	**0.003**	100.00	-80.00				**0.062**	100.00	1966.67			
TUML	**0.066**	100.00					**0.210**	100.00	218.18			
SPL							**0.225**	100.00				
SOVA							**0.089**	100.00				
PRIVATE	**46.418**	**94.36**	**3.83**	**2.777**	**5.64**	**-5.16**	**45.751**	**94.42**	**-1.44**	**2.703**	**5.58**	**-2.66**
INDIA	**487.993**	**90.38**	**2.12**	**51.957**	**9.62**	**-5.28**	**505.501**	**90.64**	**3.59**	**52.206**	**9.36**	**0.48**

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

TABLE 2.14: TRENDS OF OMS IN OC & UG MINES (CIL & SCCL) DURING LAST TEN YEARS.

(Tonnes per manshift)

Year	OMS (OPEN CAST)		OMS (UNDER GROUND)		OMS (OVERALL)	
	CIL	SCCL	CIL	SCCL	CIL	SCCL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
03-04	6.67	7.67	0.68	0.86	2.82	1.81
04-05	7.18	8.83	0.69	0.85	3.05	1.62
05-06	7.51	9.60	0.71	0.89	3.26	1.74
06-07	8.00	9.50	0.71	0.90	3.54	1.91
07-08	8.60	10.76	0.73	1.02	3.79	2.63
08-09	8.95	10.60	0.76	1.05	4.09	3.01
09-10	9.48	10.71	0.78	1.08	4.48	3.36
10-11	10.06	11.98	0.77	1.10	4.74	3.59
11-12	10.40	13.26	0.75	1.10	4.92	3.94
12-13	11.48	11.90	0.77	1.13	5.32	3.94



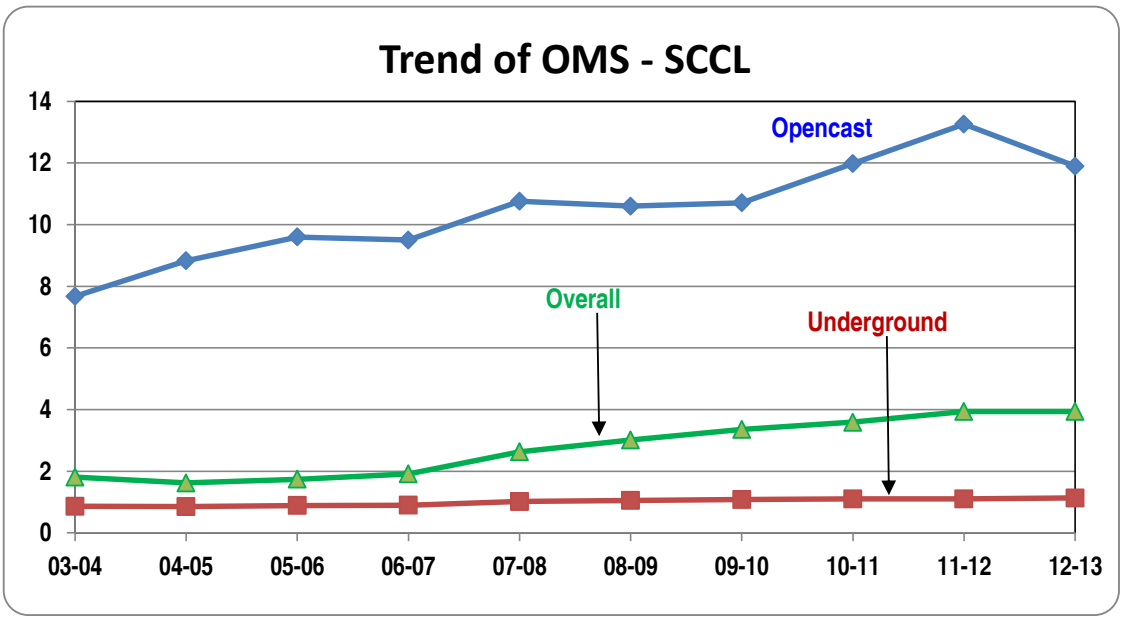


TABLE 2.15 : COMPANY WISE PRODUCTION, MANSHIFTS & OMS (CIL & SCCL) BY TYPE OF MINES DURING LAST THREE YEARS

Companies	Type of Mines	2010-2011			2011-2012			2012-2013		
		Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)	Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)	Production (Mill.Tons)	Manshift (Million)	OMS (Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ECL	OC	23.431	2.877	8.14	23.725	2.746	8.64	27.062	2.660	10.17
BCCL	OC	25.308	4.486	5.64	26.725	4.067	6.57	28.060	3.376	8.31
CCL	OC	46.247	8.386	5.51	46.914	7.021	5.79	47.037	7.720	6.09
NCL	OC	66.253	4.902	13.52	66.401	4.900	13.55	70.021	5.128	13.65
WCL	OC	34.950	8.438	4.14	34.720	8.227	4.22	34.087	6.778	5.03
SECL	OC	95.902	4.743	20.22	97.429	5.698	19.32	101.350	5.263	19.26
MCL	OC	98.113	4.786	20.50	100.933	4.936	20.38	106.216	4.946	21.34
NEC	OC	1.099	0.155	7.09	0.598	0.310	3.79	0.602	0.160	3.77
CIL	**OC**	**391.303**	**38.773**	**10.09**	**397.445**	**37.905**	**10.40**	**414.435**	**36.031**	**11.48**
SCCL	**OC**	**39.705**	**2.41**	**11.98***	**41.573**	**2.520**	**13.26**	**41.593**	**2.714**	**11.90**
ECL	UG	7.372	16.370	0.45	6.833	15.454	0.44	6.849	14.780	0.46
BCCL	UG	3.696	9.397	0.39	3.482	9.672	0.36	3.153	9.090	0.35
CCL	UG	1.274	3.758	0.34	1.090	3.353	0.32	1.024	3.150	0.33
NCL	UG									
WCL	UG	8.704	7.970	1.09	8.390	7.769	1.08	8.200	7.472	1.10
SECL	UG	16.803	12.669	1.33	16.408	11.823	1.30	16.869	12.322	1.37
MCL	UG	2.167	1.737	1.25	2.186	1.758	1.24	1.678	1.726	0.97
NEC	UG	0.002	0.355	0.01	0.004	0.333	0.01	0.003	0.305	0.01
CIL	**UG**	**40.018**	**52.256**	**0.77**	**38.393**	**50.162**	**0.75**	**37.776**	**48.845**	**0.77**
SCCL	**UG**	**11.628**	**11.000**	**1.06**	**10.638**	**9.407**	**1.10**	**11.597**	**9.831**	**1.13**
ECL	ALL	30.803	19.247	1.60	30.558	18.200	1.68	33.911	17.440	1.94
BCCL	ALL	29.004	13.883	2.09	30.207	13.739	2.20	31.213	12.466	2.50
CCL	ALL	47.521	12.144	3.91	48.004	10.374	4.19	48.061	10.870	4.42
NCL	ALL	66.253	4.902	13.52	66.401	4.900	13.55	70.021	5.128	13.65
WCL	ALL	43.654	16.408	2.65	43.110	15.996	2.70	42.287	14.250	2.97
SECL	ALL	112.705	17.412	6.47	113.837	17.521	6.44	118.219	17.585	6.71
MCL	ALL	100.280	6.523	15.37	103.119	6.694	15.36	107.894	6.672	15.98
NEC	ALL	1.101	0.510	2.16	0.602	0.643	1.23	0.605	0.465	0.94
CIL	**ALL**	**431.321**	**91.029**	**4.74**	**435.838**	**88.067**	**4.92**	**452.211**	**84.876**	**5.32**
SCCL	**ALL**	**51.333**	**13.414**	**3.59***	**52.211**	**11.927**	**3.94**	**53.190**	**12.545**	**3.94**

* Reported by SCCL.

TABLE 2.16 : COMPANYWISE OVER BURDEN REMOVAL AND STRIPPING RATIO IN REVENUE MINES IN LAST THREE YEARS

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

COMPANIES	YEAR 2010 - 2011			YEAR 2011 - 2012			YEAR 2012 - 2013		
	Over Burden Removal	Production (OC)	Stripping Ratio	Over Burden Removal	Production (OC)	Stripping Ratio	Over Burden Removal	Production (OC)	Stripping Ratio
(1)	(2)	(3)	(4)	(5)	(3)	(4)	(5)	(3)	(4)
ECL	56.246	23.431	2.40	60.305	23.725	2.54	76.448	27.062	2.82
BCCL	83.226	25.308	3.29	81.361	26.721	3.04	84.259	28.060	3.00
CCL	62.522	46.247	1.35	65.676	46.916	1.40	63.308	47.037	1.35
NCL	182.216	66.253	2.75	201.664	66.401	3.04	195.706	70.021	2.79
WCL	115.824	34.950	3.31	122.488	34.720	3.53	113.685	34.087	3.34
SECL	137.565	95.902	1.43	113.493	97.429	1.16	118.202	101.350	1.17
MCL	88.702	98.113	0.90	85.666	100.932	0.85	90.361	106.216	0.85
NEC	5.810	1.099	5.29	4.480	0.599	7.48	4.733	0.602	7.86
CIL	**732.111**	**391.303**	**1.87**	**735.133**	**397.443**	**1.85**	**746.702**	**414.435**	**1.80**
SCCL	218.310	39.705	5.50	211.325	41.572	5.08	176.481	41.593	4.24
JKML									
JSMDCL	0.379	0.399	0.95	0.120	0.118	1.02			
DVC	0.890	0.311	1.30	0.176	0.328	0.54		0.203	
IISCO	4.662	0.825	5.65	3.270	0.590	5.54	4.071	0.635	6.41
APMDTCL	2.181	0.299	7.29	1.618	0.222	7.29	2.181	0.073	29.88
WBPDCL	0.934	0.257	3.63	0.934	0.213	4.38	1.969	0.261	7.54
SAIL	0.272	0.014	19.41	0.226	0.040	5.65	0.201	0.071	2.83
DVC EMTA	0.098	0.021	4.67	5.211	1.165	4.47	6.564	1.836	3.58
RRUVNL								0.293	0.00
WBMDTCL								0.350	0.00
PUBLIC	**959.837**	**433.134**	**2.22**	**958.013**	**441.691**	**2.17**	**938.169**	**459.750**	**2.04**
BECML	10.025	2.876	3.49	9.410	2.598	3.62	9.590	3.005	3.19
ICML	7.679	2.929	2.62	10.511	3.745	2.81	9.117	3.128	2.91
JSPL	10.440	5.999	1.74	9.072	5.998	1.51	7.996	5.999	1.33
HIL	0.764	2.285	0.33	1.546	2.357	0.66	1.712	2.237	0.77
Meghalaya		6.974			7.206			7.137	
TISCO	25.714	5.439	4.73	26.021	5.975	4.35	25.998	5.918	4.39
MIL									
BLA	1.149	0.297	3.87	2.612	0.299	8.74	1.621	0.300	5.40
CML		0.000			0				
PANEM	17.188	8.031	1.09	17.188	8.301	2.07	13.420	6.853	1.96
PIL	5.211	1.000	5.21	5.000	1.000	5.00	8.075	1.000	8.08
JNL	1.613	0.131	12.31	1.479	0.200	7.40	0.535	0.200	2.68
JPL	15.432	5.688	2.71	12.865	5.250	2.45	11.943	5.250	2.27
SIL									
UML	3.054	0.300	10.18	3.996	0.351	11.38	5.222	0.560	9.33
KEMTA	5.622	2.275	2.47	5.543	2.189	2.53	8.575	2.506	3.42
ESCL	1.937	0.034	56.97	3.755	0.106	35.42	2.728	0.096	28.42
SEML	2.576	0.432	5.96	2.303	0.774	2.98	2.295	0.976	2.35
BS ISPAT	0.356	0.015	23.73	0.033	0.003	11.00	0.486	0.062	7.84
TUML				0.715	0.065	11.00	1.367	0.210	6.51
SPL							0.212	0.225	0.94
SOVA							0.474	0.089	5.33
PRIVATE	**108.760**	**44.705**	**2.88**	**112.049**	**46.417**	**2.86**	**111.366**	**45.751**	**2.88**
INDIA	**1068.597**	**477.839**	**2.27**	**1070.062**	**488.108**	**2.23**	**1049.535**	**505.501**	**2.11**

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

(Million Tonnes)

Year	Raw Coal		Lignite		**Total solid fossil fuel**	
	Despatches	Growth (%)	Despatches	Growth (%)	**Despatches**	**Growth (%)**
(1)	(2)	(3)	(4)	(5)	**(6)**	**(7)**
2003-04	357.992	5.72	28.486	9.52	**386.478**	**6.00**
2004-05	378.658	5.77	30.087	5.62	**408.745**	**5.76**
2005-06	395.587	4.47	30.339	0.84	**425.926**	**4.20**
2006-07	419.800	6.12	30.797	1.51	**450.597**	**5.79**
2007-08	453.567	8.04	34.657	12.53	**488.224**	**8.35**
2008-09	489.172	7.85	31.793	-8.26	**520.965**	**6.71**
2009-10	513.792	5.03	34.430	8.29	**548.222**	**5.23**
2010-11	523.465	1.88	37.685	9.45	**561.150**	**2.36**
2011-12	535.299	2.26	41.883	11.14	**577.182**	**2.86**
2012-13	569.767	6.44	46.312	10.57	**616.079**	**6.74**

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

(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)**
2003-04	16.643	-0.02	30.893	-0.04	327.099	6.30	**357.992**	**5.72**
2004-05	17.559	5.50	30.748	-0.47	347.910	6.36	**378.658**	**5.77**
2005-06	16.495	-6.06	30.537	-0.69	365.050	4.93	**395.587**	**4.47**
2006-07	16.334	-0.98	31.927	4.55	387.873	6.25	**419.800**	**6.12**
2007-08	16.438	0.64	33.543	5.06	420.024	8.29	**453.567**	**8.04**
2008-09	15.061	-8.38	35.724	6.50	453.448	7.96	**489.172**	**7.85**
2009-10	15.173	0.74	42.469	18.88	471.323	3.94	**513.792**	**5.03**
2010-11	16.075	5.94	48.950	15.26	474.515	0.68	**523.465**	**1.88**
2011-12	15.903	-1.07	51.723	5.66	483.576	1.91	**535.299**	**2.26**
2012-13	14.662	-7.80	55.212	6.75	514.555	6.41	**569.767**	**6.44**

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

(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)
2003-04	8.229	1.30	8.680	N.A.	4.908	-0.49	1.028	N.A.	12.914	-5.75
2004-05	8.639	4.98	10.675	22.98	5.259	7.15	1.803	75.39	12.251	-5.13
2005-06	8.347	-3.38	12.322	15.43	5.349	1.71	1.882	4.38	13.030	6.36
2006-07	7.104	-14.89	12.633	2.52	5.758	7.65	2.244	19.23	12.739	-2.23
2007-08	7.206	1.44	12.821	1.49	6.536	13.51	2.466	9.89	12.774	0.27
2008-09	7.226	0.28	13.445	4.87	5.361	-17.98	4.018	62.94	12.465	-2.42
2009-10	6.518	-9.80	13.981	3.99	4.711	-12.12	3.726	-7.27	12.361	-0.83
2010-11	6.854	5.15	14.537	3.98	4.504	-4.39	3.790	1.72	10.689	-13.53
2011-12	6.532	-4.70	15.751	8.35	3.802	-15.59	3.545	-6.46	10.146	-5.08
2012-13	6.661	1.97	15.347	-2.56	4.271	12.34	4.775	34.70	9.791	-3.50

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

TABLE 3.4: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL, LIGNITE AND COAL PRODUCTS IN 2012-13

(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-12	4.895	15.7	8.87	42.140	0.6	8.19	**47.035**	**2.0**	**8.26**	4.403	22.5	9.51
May-12	4.700	10.6	8.51	43.337	10.1	8.42	**48.037**	**10.2**	**8.43**	4.006	6.7	8.65
Jun-12	4.503	6.9	8.16	40.334	4.7	7.84	**44.837**	**4.9**	**7.87**	3.782	9.8	8.17
1st Quarter	**14.098**	**11.1**	**25.53**	**125.811**	**5.0**	**24.45**	**139.909**	**5.6**	**24.56**	**12.191**	**13.0**	**26.32**
Jul-12	4.415	2.4	8.00	39.655	0.4	7.71	**44.070**	**0.6**	**7.73**	3.665	22.7	7.91
Aug-12	4.343	9.2	7.87	36.170	4.9	7.03	**40.513**	**5.4**	**7.11**	3.482	23.9	7.52
Sep-12	4.058	1.2	7.35	36.150	18.2	7.03	**40.208**	**16.2**	**7.06**	3.238	14.4	6.99
2nd Quarter	**12.816**	**4.2**	**23.21**	**111.975**	**7.1**	**21.76**	**124.791**	**6.8**	**21.90**	**10.385**	**20.3**	**22.42**
Oct-12	4.319	13.7	7.82	42.752	16.5	8.31	**47.071**	**16.2**	**8.26**	3.414	7.6	7.37
Nov-12	4.430	3.2	8.02	42.763	2.7	8.31	**47.193**	**2.7**	**8.28**	3.384	7.1	7.31
Dec-12	4.765	9.6	8.63	47.680	6.6	9.27	**52.445**	**6.9**	**9.20**	4.108	17.0	8.87
3rd Quarter	**13.514**	**8.7**	**24.48**	**133.195**	**8.2**	**25.89**	**146.709**	**8.3**	**25.75**	**10.906**	**10.8**	**23.55**
Jan-13	4.885	5.2	8.85	50.132	12.0	9.74	**55.017**	**11.4**	**9.66**	4.211	0.8	9.09
Feb-13	4.482	1.0	8.12	44.138	-0.4	8.58	**48.620**	**-0.2**	**8.53**	4.019	-2.5	8.68
Mar-13	5.417	3.9	9.81	49.304	4.6	9.58	**54.721**	**4.6**	**9.60**	4.600	6.4	9.93
4th Quarter	**14.784**	**3.4**	**26.78**	**143.574**	**5.4**	**27.90**	**158.358**	**5.2**	**27.79**	**12.830**	**1.7**	**27.70**
Yr. 2012-13	**55.212**	**6.7**	**100.00**	**514.555**	**6.4**	**100.00**	**569.767**	**6.4**	**100.00**	**46.312**	**10.6**	**100.00**

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

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

Cont….

TABLE 3.5: MONTHLY DESPATCHES OF DIFFERENT TYPES OF COAL, LIGNITE AND COAL PRODUCTS IN 2012-13

(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-12	0.571	-3.1	8.57	1.214	-18.2	7.91	0.343	-4.5	8.03	0.313	9.1	6.55	0.820	-5.7	8.38
May-12	0.582	22.0	8.74	1.154	-11.1	7.52	0.374	26.4	8.76	0.346	14.2	7.25	0.845	-2.9	8.63
Jun-12	0.585	8.5	8.78	1.132	-8.7	7.38	0.307	-9.4	7.19	0.530	167.7	11.10	0.816	1.2	8.33
1st Quarter	**1.738**	**8.3**	**26.09**	**3.500**	**-13.0**	**22.81**	**1.024**	**3.0**	**23.98**	**1.189**	**50.9**	**24.90**	**2.481**	**-2.6**	**25.34**
Jul-12	0.500	-11.7	7.51	1.232	-2.5	8.03	0.334	-1.8	7.82	0.499	119.8	10.45	0.847	1.4	8.65
Aug-12	0.514	0.8	7.72	1.155	7.2	7.53	0.350	0.0	8.19	0.336	36.0	7.04	0.619	-26.2	6.32
Sep-12	0.502	-2.1	7.54	1.206	9.4	7.86	0.353	17.7	8.27	0.377	42.8	7.90	0.832	0.1	8.50
2nd Quarter	**1.516**	**-4.6**	**22.76**	**3.593**	**4.4**	**23.41**	**1.037**	**4.7**	**24.28**	**1.212**	**64.2**	**25.38**	**2.298**	**-8.3**	**23.47**
Oct-12	0.535	9.9	8.03	1.437	20.1	9.36	0.374	26.8	8.76	0.437	55.5	9.15	0.857	-0.3	8.75
Nov-12	0.530	-5.2	7.96	1.422	-0.7	9.27	0.327	9.4	7.66	0.398	59.2	8.34	0.837	0.0	8.55
Dec-12	0.590	7.5	8.86	1.437	-8.7	9.36	0.408	42.7	9.55	0.435	5.1	9.11	0.829	-4.7	8.47
3rd Quarter	**1.655**	**3.8**	**24.85**	**4.296**	**2.2**	**27.99**	**1.109**	**26.0**	**25.97**	**1.270**	**34.4**	**26.60**	**2.523**	**-1.7**	**25.77**
Jan-13	0.581	0.7	8.72	1.455	0.1	9.48	0.366	14.4	8.57	0.397	2.8	8.31	0.865	2.7	8.83
Feb-13	0.554	-6.9	8.32	1.223	-6.9	7.97	0.343	2.4	8.03	0.374	10.3	7.83	0.760	-5.5	7.76
Mar-13	0.617	8.1	9.26	1.280	-2.6	8.34	0.392	38.5	9.18	0.333	-4.6	6.97	0.864	-2.0	8.82
4th Quarter	**1.752**	**0.5**	**26.30**	**3.958**	**-3.0**	**25.79**	**1.101**	**17.4**	**25.78**	**1.104**	**2.8**	**23.12**	**2.489**	**-1.5**	**25.42**
Yr. 2012-13	**6.661**	**2.0**	**100.00**	**15.347**	**-2.6**	**100.00**	**4.271**	**12.3**	**100.00**	**4.775**	**34.7**	**100.00**	**9.791**	**-3.5**	**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 (private& public). Private Washeries are not included here.

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

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

(Million Tonnes)

Year	State: Andhra Pradesh			State: Assam			State: Chhattisgarh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2003-04	33.829	9.45	1.38	0.870	0.24	35.94	61.918	17.30	5.24
2004-05	34.707	9.17	2.60	0.568	0.15	-34.71	70.153	18.53	13.30
2005-06	35.321	8.93	1.77	1.170	0.30	105.99	74.997	18.96	6.90
2006-07	37.487	8.93	6.13	1.182	0.28	1.03	80.526	19.18	7.37
2007-08	41.793	9.21	11.49	1.200	0.26	1.52	90.792	20.02	12.75
2008-09	44.410	9.08	6.26	0.835	0.17	-30.42	103.022	21.06	13.47
2009-10	49.266	9.59	10.93	1.071	0.21	28.26	106.921	20.81	3.78
2010-11	50.046	9.53	1.58	1.102	0.21	2.89	109.562	20.86	2.47
2011-12	51.389	9.60	2.68	0.800	0.15	-27.40	114.610	21.41	4.61
2012-13	53.279	9.35	3.68	0.618	0.11	-22.75	120.931	21.22	5.52

Year	State: Jammu & Kashmir			State: Jharkhand			State: Madhya Pradesh		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2003-04	0.031	0.01	29.17	78.882	22.03	4.01	48.910	13.66	8.71
2004-05	0.027	0.01	-12.90	76.605	20.23	-2.89	51.686	13.65	5.68
2005-06	0.020	0.01	-25.93	79.669	20.14	4.00	54.949	13.89	6.31
2006-07	0.014	0.00	-30.00	84.292	20.08	5.80	59.996	14.29	9.18
2007-08	0.016	0.00	14.29	88.898	19.60	5.46	68.344	15.07	13.91
2008-09	0.012	0.00	-25.00	95.414	19.51	7.33	72.042	14.73	5.41
2009-10	0.017	0.00	41.67	99.863	19.44	4.66	73.481	14.30	2.00
2010-11	0.025	0.00	47.06	106.637	20.30	6.78	69.443	13.22	-5.50
2011-12	0.023	0.00	-8.00	109.792	20.51	2.96	69.560	12.99	0.17
2012-13	0.014	0.00	-39.13	119.180	20.92	8.55	60.410	10.60	-13.15

Year	State: Maharashtra			State: Meghalaya			State: Orissa		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
2003-04	32.582	9.10	2.53	5.439	1.52	18.99	59.443	16.60	15.74
2004-05	33.523	8.85	2.89	5.345	1.41	-1.76	66.781	17.64	12.34
2005-06	34.792	8.80	3.79	5.566	1.41	3.97	69.136	17.48	3.53
2006-07	35.508	8.46	2.06	5.787	1.38	3.82	77.585	18.48	12.22
2007-08	37.389	8.24	5.30	6.541	1.44	11.53	85.147	18.77	9.75
2008-09	39.238	8.02	4.95	5.489	1.12	-19.17	93.316	19.08	9.59
2009-10	40.743	7.93	3.84	5.767	1.12	4.82	100.591	19.58	7.80
2010-11	38.240	7.28	-6.14	6.974	1.33	17.31	104.359	19.87	3.75
2011-12	38.108	7.12	-0.35	7.206	1.35	3.22	104.819	19.58	0.44
2012-13	38.155	6.70	0.12	7.137	1.25	-0.97	114.213	20.05	8.96

Contd....

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

(Million Tonnes)

Year	State: Uttar Pradesh			State: West Bengal			State : Arunachal Pradesh		
	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)	Quantity	Share (%)	Growth(%)
(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
2003-04	15.529	4.34	-10.30	20.559	5.74	2.52			
2004-05	17.019	4.49	9.59	22.244	5.87	8.20			
2005-06	15.853	4.01	-6.85	24.114	6.10	8.41			
2006-07	12.393	2.95	-21.83	25.030	5.96	3.80			
2007-08	11.216	2.47	-9.50	22.155	4.88	-11.49	0.076	0.02	0.00
2008-09	12.448	2.54	10.98	22.817	4.66	2.99	0.129	0.03	69.74
2009-10	13.587	2.64	9.15	22.259	4.33	-2.45	0.226	0.04	75.19
2010-11	15.393	2.93	13.29	23.203	4.42	4.24	0.245	0.05	8.41
2011-12	15.467	2.89	0.48	23.203	4.33	0.00	0.322	0.06	31.43
2012-13	29.089	5.11	88.07	26.686	4.68	15.01	0.055	0.01	-82.92

Year	All India	
	Quantity	**Growth(%)**
(41)	(42)	(43)
2003-04	**357.992**	**5.72**
2004-05	**378.658**	**5.77**
2005-06	**395.587**	**4.47**
2006-07	**419.800**	**6.12**
2007-08	**453.567**	**8.04**
2008-09	**489.172**	**7.85**
2009-10	**513.792**	**5.03**
2010-11	**525.229**	**2.23**
2011-12	**535.299**	**1.92**
2012-13	**569.767**	**6.44**

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

(Million Tonnes)

Year	State: Tamilnadu			State: Gujarat		
	Quantity	Share (%)	Growth (%)	Quantity	Share (%)	Growth (%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2003-04	21.116	74.13	13.47	6.692	23.49	-3.41
2004-05	21.237	70.59	0.57	8.302	27.59	24.06
2005-06	20.551	67.74	-3.23	9.111	30.03	9.74
2006-07	20.511	66.60	-0.19	9.819	31.88	7.77
2007-08	22.259	64.23	8.52	11.792	34.02	20.09
2008-09	20.748	65.26	-6.79	10.046	31.60	-14.81
2009-10	22.812	66.26	9.95	10.411	30.24	3.63
2010-11	23.081	61.25	1.18	13.079	34.71	25.63
2011-12	24.472	58.43	6.03	14.448	34.50	10.47
2012-13	25.691	55.47	4.98	14.670	31.68	1.54

Year	State: Rajasthan			**ALL INDIA**	
	Quantity	Share (%)	Growth (%)	**Quantity**	**Growth (%)**
(8)	(9)	(10)	(11)	(12)	(13)
2002-03	0.473	1.82	70.76	**26.010**	**5.83**
2003-04	0.678	2.38	43.34	**28.486**	**9.52**
2004-05	0.548	1.82	-19.17	**30.087**	**5.62**
2005-06	0.677	2.23	23.54	**30.339**	**0.84**
2006-07	0.467	1.52	-31.02	**30.797**	**1.51**
2007-08	0.606	1.75	29.76	**34.657**	**12.53**
2008-09	0.999	3.14	64.85	**31.793**	**-8.26**
2009-10	1.207	3.51	20.82	**34.430**	**8.29**
2010-11	1.525	4.05	26.35	**37.685**	**9.45**
2011-12	2.963	7.07	94.30	**41.883**	**11.14**
2012-13	5.951	12.85	100.84	**46.312**	**10.57**

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

(Million Tonnes)

Company	2010-11				2011-12				2012-13			
	Coking	Non-Coking	**Total**	% of all India	Coking	Non-Coking	**Total**	% of all India	Coking	Non-Coking	**Total**	% of all India
(1)	(2)	(3)	**(4)**	(5)	(6)	(7)	**(8)**	(9)	(10)	(11)	**(12)**	(13)
ECL	0.050	29.314	**29.364**	5.61	0.099	30.392	**30.491**	5.70	0.043	35.501	**35.544**	6.24
BCCL	25.674	3.577	**29.251**	5.59	27.132	2.938	**30.070**	5.62	28.966	3.999	**32.965**	5.79
CCL	14.555	31.663	**46.218**	8.83	15.701	32.332	**48.033**	8.97	17.532	35.354	**52.886**	9.28
NCL		64.208	**64.208**	12.27		63.605	**63.605**	11.88		67.285	**67.285**	11.81
WCL	0.421	42.130	**42.551**	8.13	0.310	41.649	**41.959**	7.84	0.317	41.222	**41.539**	7.29
SECL	0.163	108.837	**109.000**	20.82	0.189	114.950	**115.139**	21.51	0.155	121.818	**121.973**	21.41
MCL	0.000	102.087	**102.087**	19.50		102.521	**102.521**	19.15		111.959	**111.959**	19.65
NEC	0.000	1.102	**1.102**	0.21		0.800	**0.800**	0.15		0.618	**0.618**	0.11
CIL	**40.863**	**382.918**	**423.781**	**80.96**	**43.431**	**389.187**	**432.618**	**80.82**	**47.013**	**417.756**	**464.769**	**81.57**
SCCL		50.046	**50.046**	9.56		51.389	**51.389**	9.60		53.279	**53.279**	9.35
JKML		0.025	**0.025**	0.00		0.023	**0.023**	0.00		0.014	**0.014**	0.00
JSMDCL		0.399	**0.399**	0.08		0.118	**0.118**	0.02			**0.000**	0.00
DVC	0.193	0	**0.193**	0.04	0.410	0	**0.410**	0.08	0.226		**0.226**	0.04
IISCO	0.855	0.234	**1.089**	0.21	0.434	0.164	**0.598**	0.11	0.590	0.156	**0.746**	0.13
APMDTCL		0.245	**0.245**	0.05		0.322	**0.322**	0.06		0.055	**0.055**	0.01
SAIL	0.014		**0.014**	0.00	0.040		**0.040**	0.01	0.065		**0.065**	0.01
WBPDCL		0.268	**0.268**	0.05		0.213	**0.213**	0.04		0.254	**0.254**	0.04
DVC EMTA						1.169	**1.169**	0.22		1.844	**1.844**	0.32
RRUVNL										0.003	**0.003**	0.00
WBMDTCL										0.265	**0.265**	0.05
Total Public	**41.925**	**434.135**	**476.060**	**90.94**	**44.315**	**442.585**	**486.900**	**90.96**	**47.894**	**473.626**	**521.520**	**91.53**
BECML		2.883	**2.883**	0.55		2.581	**2.581**	0.48		3.002	**3.002**	0.53
ICML		2.923	**2.923**	0.56		3.168	**3.168**	0.59		3.221	**3.221**	0.57
JSPL		5.995	**5.995**	1.15		5.993	**5.993**	1.12		5.999	**5.999**	1.05
Meghalaya		6.974	**6.974**	1.33		7.206	**7.206**	1.35		7.137	**7.137**	1.25
TISCO	7.003	0.023	**7.026**	1.34	7.371	0.067	**7.438**	1.39	7.233	0.081	**7.314**	1.28
MIL		0.960	**0.960**	0.18		0.846	**0.846**	0.16		0.798	**0.798**	0.14
BLA		0.297	**0.297**	0.06		0.299	**0.299**	0.06		0.300	**0.300**	0.05
CML												
HIL		2.272	**2.272**	0.43		2.298	**2.298**	0.43		2.254	**2.254**	0.40
PANEM		8.126	**8.126**	1.55		8.278	**8.278**	1.55		6.799	**6.799**	1.19
PIL		1.000	**1.000**	0.19		1.000	**1.000**	0.19		1.000	**1.000**	0.18
JNL		0.477	**0.477**	0.09		0.457	**0.457**	0.09		0.479	**0.479**	0.08
JPL		5.249	**5.249**	1.00		5.249	**5.249**	0.98		5.251	**5.251**	0.92
SIL		0.102	**0.102**	0.02		0.164	**0.164**	0.03		0.244	**0.244**	0.04
ESCL	0.022		**0.022**	0.00	0.037		**0.037**	0.01	0.085		**0.085**	0.01
UML		0.300	**0.300**	0.06		0.351	**0.351**	0.07		0.564	**0.564**	0.10
KEMTA		2.368	**2.368**	0.45		2.205	**2.205**	0.41		2.501	**2.501**	0.44
SEML		0.431	**0.431**	0.08		0.784	**0.784**	0.15		0.893	**0.893**	0.16
BS ISPAT						0.006	**0.006**	0.00		0.019	**0.019**	0.00
TUML						0.039	**0.039**	0.01		0.220	**0.220**	0.04
SPL										0.081	**0.081**	0.01
SOVA										0.086	**0.086**	0.02
Total Private	**7.025**	**40.380**	**47.405**	**9.06**	**7.408**	**40.991**	**48.399**	**9.04**	**7.318**	**40.929**	**48.247**	**8.47**
ALL INDIA	**48.950**	**474.515**	**523.465**	**100.00**	**51.723**	**483.576**	**535.299**	**100.00**	**55.212**	**514.555**	**569.767**	**100.00**
LIGNITE :												
NLC			**23.081**	61.25			**24.472**	58.43			**25.691**	55.47
GMDCL			**10.232**	27.15			**11.343**	27.08			**10.905**	23.55
GIPCL			**2.548**	6.76			**2.716**	6.48			**3.482**	7.52
RSMML			**0.883**	2.34			**2.120**	5.06			**1.387**	2.99
GHCL			**0.299**	0.79			**0.389**	0.93			**0.283**	0.61
VS LIGNITE			**0.642**	1.70			**0.843**	2.01			**0.814**	1.76
BLMCL											**3.750**	8.10
ALL INDIA			**37.685**	**100.00**			**41.883**	**100.00**			**46.312**	**100.00**
COAL & LIGNITE			**561.150**				**577.182**				**616.079**	

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

(Million Tonnes)

States	Company	2010-11			2011-12			2012-13		
		Coking	N-Coking	**Total**	Coking	N-Coking	**Total**	Coking	N-Coking	**Total**
(1)	(2)	(9)	(10)	**(11)**	(9)	(10)	**(11)**	(9)	(10)	**(11)**
Andhra Pradesh	**SCCL**		**50.046**	**50.046**		**51.389**	**51.389**		**53.279**	**53.279**
Arunachal Pradesh	**APMDTCL**		**0.245**	**0.245**		**0.322**	**0.322**		**0.055**	**0.055**
Assam	**NEC**		**1.102**	**1.102**		**0.800**	**0.800**		**0.618**	**0.618**
Chhattisgarh	SECL	0.163	95.287	**95.450**	0.189	100.092	**100.281**	0.155	106.353	**106.508**
Chhattisgarh	JSPL		5.995	**5.995**		5.993	**5.993**		5.999	**5.999**
Chhattisgarh	MIL		0.960	**0.960**		0.846	**0.846**		0.798	**0.798**
Chhattisgarh	PIL		1.000	**1.000**		1.000	**1.000**		1.000	**1.000**
Chhattisgarh	JNL		0.477	**0.477**		0.457	**0.457**		0.479	**0.479**
Chhattisgarh	JPL		5.249	**5.249**		5.249	**5.249**		5.251	**5.251**
Chhattisgarh	SEML		0.431	**0.431**		0.784	**0.784**		0.893	**0.893**
Chhattisgarh	RRUVNL								0.003	**0.003**
Chhattisgarh	**TOTAL**	**0.163**	**109.399**	**109.562**	**0.189**	**114.421**	**114.610**	**0.155**	**120.776**	**120.931**
Jammu & Kashmir	**JKML**	**0.000**	**0.025**	**0.025**	**0.000**	**0.023**	**0.023**	**0.000**	**0.014**	**0.014**
Jharkhand	ECL	0.043	14.239	**14.282**	0.084	14.531	**14.615**	0.032	17.672	**17.704**
Jharkhand	BCCL	25.642	3.560	**29.202**	27.100	2.938	**30.038**	28.950	3.997	**32.947**
Jharkhand	CCL	14.555	31.663	**46.218**	15.701	32.332	**48.033**	17.532	35.354	**52.886**
Jharkhand	JSMDCL		0.399	**0.399**		0.118	**0.118**		0.000	**0.000**
Jharkhand	DVC	0.193		**0.193**	0.410		**0.410**	0.226		**0.226**
Jharkhand	IISCO	0.855		**0.855**	0.434		**0.434**	0.590		**0.590**
Jharkhand	TISCO	7.003	0.023	**7.026**	7.371	0.067	**7.438**	7.233	0.081	**7.314**
Jharkhand	CML									
Jharkhand	PANEM		8.126	**8.126**		8.278	**8.278**		6.799	**6.799**
Jharkhand	UML		0.300	**0.300**		0.351	**0.351**		0.564	**0.564**
Jharkhand	ESCL	0.022		**0.022**	0.037		**0.037**	0.085		**0.085**
Jharkhand	SAIL	0.014		**0.014**	0.040		**0.040**	0.065		**0.065**
Jharkhand	**TOTAL**	**48.327**	**58.310**	**106.637**	**51.177**	**58.615**	**109.792**	**54.713**	**64.467**	**119.180**
Madhya Pradesh	NCL		48.815	**48.815**		48.138	**48.138**		38.196	**38.196**
Madhya Pradesh	WCL	0.421	6.360	**6.781**	0.310	5.955	**6.265**	0.317	6.051	**6.368**
Madhya Pradesh	SECL		13.550	**13.550**		14.858	**14.858**		15.465	**15.465**
Madhya Pradesh	BLA		0.297	**0.297**		0.299	**0.299**		0.300	**0.300**
Madhya Pradesh	SPL								0.081	**0.081**
Madhya Pradesh	**TOTAL**	**0.421**	**69.022**	**69.443**	**0.310**	**69.250**	**69.560**	**0.317**	**60.093**	**60.410**
Maharashtra	WCL		35.770	**35.770**		35.694	**35.694**		35.171	**35.171**
Maharashtra	SIL		0.102	**0.102**		0.164	**0.164**		0.244	**0.244**
Maharashtra	KEMTA		2.368	**2.368**		2.205	**2.205**		2.501	**2.501**
Maharashtra	BS ISPAT					0.006	**0.006**		0.019	**0.019**
Maharashtra	TUML					0.039	**0.039**		0.220	**0.220**
Maharashtra	**TOTAL**	**0.000**	**38.240**	**38.240**	**0.000**	**38.108**	**38.108**	**0.000**	**38.155**	**38.155**
Meghalaya	**MEGHALAYA**		**6.974**	**6.974**		**7.206**	**7.206**		**7.137**	**7.137**
Orissa	MCL		102.087	**102.087**		102.521	**102.521**		111.959	**111.959**
Orissa	HIL		2.272	**2.272**		2.298	**2.298**		2.254	**2.254**
Orissa	**TOTAL**		**104.359**	**104.359**		**104.819**	**104.819**		**114.213**	**114.213**
Uttar Pradesh	**NCL**		**15.393**	**15.393**		**15.467**	**15.467**		**29.089**	**29.089**
West Bengal	ECL	0.007	15.075	**15.082**	0.015	15.861	**15.876**	0.011	17.829	**17.840**
West Bengal	BCCL	0.032	0.017	**0.049**	0.032		**0.032**	0.016	0.002	**0.018**
West Bengal	IISCO		0.234	**0.234**		0.164	**0.164**		0.156	**0.156**
West Bengal	BECML		2.883	**2.883**		2.581	**2.581**		3.002	**3.002**
West Bengal	ICML		2.923	**2.923**		3.168	**3.168**		3.221	**3.221**
West Bengal	WBPDCL		0.268	**0.268**		0.213	**0.213**		0.254	**0.254**
West Bengal	DVC EMTA					1.169	**1.169**		1.844	**1.844**
West Bengal	SOVA								0.086	**0.086**
West Bengal	WBMDTCL								0.265	**0.265**
West Bengal	**TOTAL**	**0.039**	**21.400**	**21.439**	**0.047**	**23.156**	**23.203**	**0.027**	**26.659**	**26.686**
Total Public		**41.925**	**434.135**	**476.060**	**44.315**	**442.585**	**486.900**	**47.894**	**473.626**	**521.520**
Total Private		**7.025**	**40.380**	**47.405**	**7.408**	**40.991**	**48.399**	**7.318**	**40.929**	**48.247**
All India		**48.950**	**474.515**	**523.465**	**51.723**	**483.576**	**535.299**	**55.212**	**514.555**	**569.767**

TABLE 3.10: GRADEWISE DESPATCH OF COKING COAL BY COMPANIES IN 2012-13

(Million Tonnes)

Companies	DESPATCH OF COKING COAL										
	Steel-I	Steel-II	SC-1	Wash-I	Wash-II	Wash-III	Wash-IV	SLV1	Met Coal	Non Met	**Total Coking**
ECL			0.011			0.032			0.011	0.032	**0.043**
BCCL	0.074	1.671		0.297	1.358	8.416	17.147	0.003	4.084	24.882	**28.966**
CCL					0.127	2.851	14.554		2.398	15.134	**17.532**
NCL											**0.000**
WCL					0.317				0.281	0.036	**0.317**
SECL			0.155							0.157	**0.155**
MCL											**0.000**
NEC											**0.000**
CIL	**0.074**	**1.671**	**0.166**	**0.297**	**1.802**	**11.299**	**31.701**	**0.003**	**6.774**	**40.241**	**47.013**
SCCL											**0.000**
JKML											**0.000**
JSMDCL											**0.000**
DVC							0.226			0.226	**0.226**
DVCEMTA											**0.000**
IISCO						0.032	0.558		0.590		**0.590**
SAIL							0.065		0.065		**0.065**
APMDTCL											**0.000**
WBPDCL											0.000
RRUVNL											**0.000**
WBMDTCL											**0.000**
PUBLIC	**0.074**	**1.671**	**0.166**	**0.297**	**1.802**	**11.331**	**32.550**	**0.003**	**7.429**	**40.467**	**47.894**
BECML											**0.000**
ICML											**0.000**
JSPL											**0.000**
HIL											**0.000**
MEG											**0.000**
TISCO					0.238	1.085	5.910		7.233		**7.233**
MIL											**0.000**
BLA											**0.000**
CML											**0.000**
PANEM											**0.000**
PIL											**0.000**
JNL											**0.000**
JPL											**0.000**
SIL											**0.000**
ESCL							0.085			0.099	**0.085**
UML											**0.000**
KEMTA											**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**	**0.238**	**1.085**	**5.995**	**0.000**	**7.233**	**0.099**	**7.318**
GRAND TOTAL	**0.074**	**1.671**	**0.166**	**0.297**	**2.040**	**12.416**	**38.545**	**0.003**	**14.662**	**40.566**	**55.212**

Contd....

TABLE 3.10: GRADEWISE DESPATCH OF NON COKING COAL BY COMPANIES IN 2012-13

(Million Tonnes)

Companies	DESPATCH OF NON-COKING COAL																		Total Coal
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	Total N-coking	
ECL		0.080	1.331	11.977	4.628	1.871	0.580	0.358			14.676							**35.501**	**35.544**
BCCL		0.066	0.888	0.100	0.407	2.478	0.049	0.011										**3.999**	**32.965**
CCL			0.056	0.407	2.787	0.455	1.133	0.873	22.442	3.172	3.426						0.603	**35.354**	**52.886**
NCL					0.915	0.122	16.019	8.953	41.276									**67.285**	**67.285**
WCL				0.033	0.512	1.730	3.235	8.935	26.777									**41.222**	**41.539**
SECL			2.697	5.534	6.958	7.810	4.419	1.026		9.887	75.188	8.299						**121.818**	**121.973**
MCL					0.416		0.030	0.934	0.320	9.161	6.588	45.591	48.919					**111.959**	**111.959**
NEC	0.224	0.394																**0.618**	**0.618**
CIL	**0.224**	**0.540**	**4.972**	**18.051**	**16.623**	**14.466**	**25.465**	**21.090**	**90.815**	**22.220**	**99.878**	**53.890**	**48.919**	**0.000**	**0.000**	**0.000**	**0.603**	**417.756**	**464.769**
SCCL		0.035			0.687		7.291		13.124	0.172	15.985		12.552		2.147		1.286	**53.279**	**53.279**
JKML																	0.014	**0.014**	**0.014**
JSMDCL																		**0.000**	**0.000**
DVC																		**0.000**	**0.226**
DVCEMTA						0.553	1.291											**1.844**	**1.844**
IISCO		0.014		0.029	0.113													**0.156**	**0.746**
SAIL																		**0.000**	**0.065**
APMDTCL																	0.055	**0.055**	**0.055**
WBPDCL				0.254														**0.254**	**0.254**
RRUVNL								0.003										**0.003**	**0.003**
WBMDTCL				0.230	0.035													**0.265**	**0.265**
PUBLIC	**0.224**	**0.589**	**4.972**	**18.564**	**17.458**	**15.019**	**34.047**	**21.093**	**103.939**	**22.392**	**115.863**	**53.890**	**61.471**	**0.000**	**2.147**	**0.000**	**1.958**	**473.626**	**521.520**
BECML						3.002												**3.002**	**3.002**
ICML											3.221							**3.221**	**3.221**
JSPL						0.772											5.227	**5.999**	**5.999**
HIL													1.544	0.710				**2.254**	**2.254**
MEG	7.137																	**7.137**	**7.137**
TISCO																	0.081	**0.081**	**7.314**
MIL							0.421					0.377						**0.798**	**0.798**
BLA						0.050	0.104	0.026		0.093	0.012		0.004				0.011	**0.300**	**0.300**
CML																		**0.000**	**0.000**
PANEM						2.380		3.399	1.020									**6.799**	**6.799**
PIL									1.000									**1.000**	**1.000**
JNL									0.372			0.107						**0.479**	**0.479**
JPL												1.977	0.163	1.635		1.476		**5.251**	**5.251**
SIL									0.244									**0.244**	**0.244**
ESCL																		**0.000**	**0.085**
UML						0.564												**0.564**	**0.564**
KEMTA									2.501									**2.501**	**2.501**
SEML						0.257	0.636											**0.893**	**0.893**
BSIL													0.019					**0.019**	**0.019**
TUML															0.220			**0.220**	**0.220**
SPL								0.081										**0.081**	**0.081**
SOVA								0.086										**0.086**	**0.086**
PRIVATE	**7.137**	**0.000**	**0.000**	**0.000**	**0.000**	**7.025**	**1.161**	**3.592**	**5.137**	**0.093**	**3.233**	**2.461**	**1.730**	**2.345**	**0.220**	**1.476**	**5.319**	**40.929**	**48.247**
GRAND TOTAL	**7.361**	**0.589**	**4.972**	**18.564**	**17.458**	**22.044**	**35.208**	**24.685**	**109.076**	**22.485**	**119.096**	**56.351**	**63.201**	**2.345**	**2.367**	**1.476**	**7.277**	**514.555**	**569.767**

TABLE 3.11: MODEWISE COMPANYWISE DESPATCHES OF RAW COAL IN 2012-13 (External & Internal)

(Million Tonnes)

Company	YEAR 2012-13 (External)							YEAR 2012 - 13 (Internal)							
	Rail	Road	MGR	Rope	Belt	Other	**Total External**	Rail	Road	MGR	Rope	Belt	Other	**Total Internal**	**Total Despatch**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	**(8)**	(9)	(10)	(11)	(12)	(13)	(14)	**(15)**	**(16)**
ECL	24.160	2.117	9.267				**35.544**							**0.000**	**35.544**
BCCL	23.547	6.507					**30.054**	1.110	1.801					**2.911**	**32.965**
CCL	29.032	13.233					**42.265**		10.621					**10.621**	**52.886**
NCL	22.761	5.886	34.417				**63.064**		4.221					**4.221**	**67.285**
WCL	21.126	15.413	0.970	2.760	0.989		**41.258**						0.281	**0.281**	**41.539**
SECL	45.551	43.708	24.328		5.082	3.304	**121.973**							**0.000**	**121.973**
MCL	68.727	25.220	16.192		1.820		**111.959**							**0.000**	**111.959**
NEC	0.505	0.113					**0.618**							**0.000**	**0.618**
CIL	**235.409**	**112.197**	**85.174**	**2.760**	**7.891**	**3.304**	**446.735**	**1.110**	**16.643**	**0.000**	**0.000**	**0.000**	**0.281**	**18.034**	**464.769**
SCCL	27.844	11.282	9.420	0.449		4.284	**53.279**							**0.000**	**53.279**
JKML		0.014					**0.014**							**0.000**	**0.014**
JSMDCL							**0.000**							**0.000**	**0.000**
DVC		0.226					**0.226**							**0.000**	**0.226**
DVCEMTA		1.844					**1.844**							**0.000**	**1.844**
IISCO							**0.000**		0.746					**0.746**	**0.746**
SAIL		0.065					**0.065**							**0.000**	**0.065**
APMDTCL		0.055					**0.055**							**0.000**	**0.055**
WBPDCL	0.254						**0.254**							**0.000**	**0.254**
RRUVNL		0.003					**0.003**							**0.000**	**0.003**
WBMDTCL		0.265					**0.265**							**0.000**	**0.265**
PUBLIC	**263.507**	**125.951**	**94.594**	**3.209**	**7.891**	**7.588**	**502.740**	**1.110**	**17.389**	**0.000**	**0.000**	**0.000**	**0.281**	**18.780**	**521.520**
BECML	3.002						**3.002**							**0.000**	**3.002**
ICML		3.221					**3.221**							**0.000**	**3.221**
JSPL		0.271					**0.271**					5.728		**5.728**	**5.999**
HIL		2.254					**2.254**							**0.000**	**2.254**
MEG		7.137					**7.137**							**0.000**	**7.137**
TISCO							**0.000**		0.551		2.181	4.582		**7.314**	**7.314**
MIL		0.798					**0.798**							**0.000**	**0.798**
BLA							**0.000**		0.300					**0.300**	**0.300**
CML							**0.000**							**0.000**	**0.000**
PANEM	6.799						**6.799**							**0.000**	**6.799**
PIL		1.000					**1.000**							**0.000**	**1.000**
JNL		0.479					**0.479**							**0.000**	**0.479**
JPL					5.251		**5.251**							**0.000**	**5.251**
SIL	0.244						**0.244**							**0.000**	**0.244**
ESCL		0.085					**0.085**							**0.000**	**0.085**
UML		0.564					**0.564**							**0.000**	**0.564**
KEMTA	2.501						**2.501**							**0.000**	**2.501**
SEML		0.273					**0.273**		0.620					**0.620**	**0.893**
BSIL		0.019					**0.019**							**0.000**	**0.019**
TUML		0.220					**0.220**							**0.000**	**0.220**
SPL		0.081					**0.081**							**0.000**	**0.081**
SOVA		0.086					**0.086**							**0.000**	**0.086**
PRIVATE	**12.546**	**16.488**	**0.000**	**0.000**	**5.251**	**0.000**	**34.285**	**0.000**	**1.471**	**0.000**	**2.181**	**10.310**	**0.000**	**13.962**	**48.247**
GRAND TOTAL	**276.053**	**142.439**	**94.594**	**3.209**	**13.142**	**7.588**	**537.025**	**1.110**	**18.860**	**0.000**	**2.181**	**10.310**	**0.281**	**32.742**	**569.767**

TABLE 3.12: COMPANYWISE OFF-TAKE OF RAW COAL & LIGNITE TO DIFFERENT PRIORITY SECTORS DURING 2012-13

(Million Tonnes)

Company	Power (Utility)	Power (Captive)	Steel	Steel (Boilers)	Cement	Fertilisers	Sponge Iron	Other basic-Metal (Aluminium	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	30.002	0.244	0.011	0.320	0.138		0.275			0.059			4.495	**35.544**	0.301	**35.845**
BCCL	25.280	0.058	2.937			1.115							3.575	**32.965**	0.076	**33.041**
CCL	36.030	1.918	3.607			0.644	0.997		0.025	0.004			9.661	**52.886**	0.005	**52.891**
NCL	60.597	3.922			0.170		0.105	0.264				1.963	0.264	**67.285**		**67.285**
WCL	30.066	1.634	0.317		2.060		0.355		0.100	0.521	0.085		6.401	**41.539**	0.007	**41.546**
SECL	86.497	11.473	0.155	0.385	4.391	0.682	4.391		0.004	0.260	0.045		13.690	**121.973**	0.015	**121.988**
MCL	73.135	14.970			0.348	0.061	4.628	0.491	0.011	0.359			17.956	**111.959**	0.005	**111.964**
NEC	0.229	0.015			0.026			0.238		0.049			0.061	**0.618**		**0.618**
CIL	**341.836**	**34.234**	**7.027**	**0.705**	**7.133**	**2.502**	**10.751**	**0.993**	**0.140**	**1.252**	**0.130**	**1.963**	**56.103**	**464.769**	**0.409**	**465.178**
SCCL	38.160	3.457	0.075		6.116		0.598		0.203	0.878	0.167	0.008	3.617	**53.279**	0.055	**53.334**
JKML					0.002						0.001	0.011		**0.014**		**0.014**
JSMDCL														**0.000**		**0.000**
DVC	0.226													**0.226**	0.001	**0.227**
DVCEMTA	1.844													**1.844**		**1.844**
IISCO			0.590	0.100									0.056	**0.746**		**0.746**
SAIL			0.065											**0.065**		**0.065**
APMDTCL													0.055	**0.055**		**0.055**
WBPDCL	0.254													**0.254**		**0.254**
RRUVNL		0.003												**0.003**		**0.003**
WBMDTCL	0.265													**0.265**		**0.265**
PUBLIC	**382.585**	**37.694**	**7.757**	**0.805**	**13.251**	**2.502**	**11.349**	**0.993**	**0.343**	**2.130**	**0.298**	**1.982**	**59.831**	**521.520**	**0.465**	**521.985**
BECML	3.002													**3.002**		**3.002**
ICML	3.221													**3.221**		**3.221**
JSPL							5.999							**5.999**		**5.999**
HIL		2.254												**2.254**		**2.254**
MEG													7.137	**7.137**		**7.137**
TISCO	0.081		7.233											**7.314**		**7.314**
MIL							0.798							**0.798**		**0.798**
BLA					0.300									**0.300**		**0.300**
CML														**0.000**		**0.000**
PANEM	6.799													**6.799**		**6.799**
PIL							1.000							**1.000**		**1.000**
JNL							0.479							**0.479**	0.001	**0.480**
JPL		5.251												**5.251**		**5.251**
SIL							0.244							**0.244**		**0.244**
ESCL			0.085											**0.085**		**0.085**
UML							0.564							**0.564**		**0.564**
KEMTA	2.501													**2.501**		**2.501**
SEML	0.620						0.273							**0.893**		**0.893**
BSIL							0.019							**0.019**		**0.019**
TUML	0.159						0.061							**0.220**		**0.220**
SPL		0.081												**0.081**		**0.081**
SOVA		0.044					0.042							**0.086**		**0.086**
PRIVATE	**16.383**	**7.630**	**7.318**	**0.000**	**0.300**	**0.000**	**9.479**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**7.137**	**48.247**	**0.001**	**48.248**
GRAND TOTAL	**398.968**	**45.324**	**15.075**	**0.805**	**13.551**	**2.502**	**20.828**	**0.993**	**0.343**	**2.130**	**0.298**	**1.982**	**66.968**	**569.767**	**0.466**	**570.233**
LIGNITE:																
GIPCL		3.582												**3.582**		**3.582**
GMDCL	2.540	0.902			0.254	0.001			0.562	0.668	3.401	0.857	1.720	**10.905**		**10.905**
GHCL		0.283												**0.283**		**0.283**
NLCL	22.936	1.900		0.049	0.668				0.018	0.027	0.003	0.009	0.081	**25.691**		**25.691**
RSMML	0.601				0.175				0.013		0.064		0.534	**1.387**		**1.387**
VSLPPL		0.814												**0.814**		**0.814**
BLMCL		3.750												**3.750**		**3.750**
TOTAL	**26.077**	**11.231**	**0.000**	**0.049**	**1.097**	**0.001**	**0.000**	**0.000**	**0.593**	**0.695**	**3.468**	**0.866**	**2.335**	**46.412**	**0.000**	**46.412**

TABLE 3.13: AVAILABILITY AND OFF-TAKE OF INDIAN RAW COAL BY COMPANIES DURING 2011-12 & 2012-13

(Million Tonnes)

Company	2011-12							2012-13						
	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	68.900	435.838	504.738	432.618	0.465	433.083	69.551	69.551	452.211	521.762	464.769	0.409	465.178	57.129
SCCL	2.413	52.211	54.624	51.389	0.115	51.504	3.038	3.038	53.190	56.228	53.279	0.055	53.334	2.985
JKML	0.004	0.020	0.024	0.023		0.023	0.003	0.003	0.019	0.022	0.014		0.014	0.005
JSMDCL	0.000	0.118	0.118	0.118		0.118	0.000	0.000	0.000	0.000	0.000		0.000	0.000
DVC	0.117	0.328	0.445	0.410	0.001	0.411	0.000	0.000	0.203	0.203	0.226	0.001	0.227	0.011
DVCEMTA	0.021	1.165	1.186	1.169		1.169	0.017	0.017	1.836	1.853	1.844		1.844	0.009
IISCO	0.008	0.598	0.606	0.598		0.598	0.009	0.009	0.746	0.755	0.746		0.746	0.009
SAIL	0.000	0.040	0.040	0.040		0.040	0.000	0.000	0.071	0.071	0.065		0.065	0.007
APMDTCL	0.104	0.221	0.325	0.322		0.322	0.004	0.004	0.073	0.077	0.055		0.055	0.022
WBPDCL	0.002	0.216	0.218	0.213		0.213	0.006	0.006	0.261	0.267	0.254		0.254	0.013
RRUVNL									0.293	0.293	0.003		0.003	0.290
WBMDTCL									0.350	0.350	0.265		0.265	0.086
PUBLIC	**71.569**	**490.755**	**562.324**	**486.900**	**0.581**	**487.481**	**72.628**	**72.628**	**509.253**	**581.881**	**521.520**	**0.465**	**521.985**	**60.566**
BECML	0.006	2.598	2.604	2.581		2.581	0.023	0.023	3.005	3.028	3.002		3.002	0.026
ICML	0.363	3.745	4.108	3.168		3.168	0.941	0.941	3.128	4.069	3.221		3.221	0.848
JSPL	0.005	5.998	6.003	5.993		5.993	0.010	0.010	5.999	6.009	5.999		5.999	0.010
HIL	0.008	2.357	2.365	2.298		2.298	0.139	0.139	2.237	2.376	2.254		2.254	0.122
Meghalaya	0.000	7.206	7.206	7.206		7.206	0.000	0.000	7.137	7.137	7.137		7.137	0.000
TISCO	0.010	7.461	7.471	7.438		7.438	0.034	0.034	7.295	7.329	7.314		7.314	0.014
MIL	0.007	0.851	0.858	0.846		0.846	0.012	0.012	0.795	0.807	0.798		0.798	0.008
BLA	0.008	0.299	0.307	0.299		0.299	0.000	0.000	0.300	0.300	0.300		0.300	0.001
CML	0.020	0.000	0.020	0.000		0.000	0.020	0.020	0.000	0.020			0.000	0.000
PANEM	0.006	8.301	8.307	8.278		8.278	0.029	0.029	6.853	6.882	6.799		6.799	0.083
PIL	0.001	1.000	1.001	1.000		1.000	0.001	0.001	1.000	1.001	1.000		1.000	0.001
JNL	0.001	0.480	0.481	0.457	0.001	0.458	0.023	0.023	0.480	0.503	0.479	0.001	0.480	0.025
JPL	0.001	5.250	5.251	5.249		5.249	0.002	0.002	5.250	5.252	5.251		5.251	0.001
SIL	0.019	0.160	0.179	0.164		0.164	0.015	0.015	0.248	0.263	0.244		0.244	0.020
ESCL	0.040	0.106	0.146	0.037		0.037	0.108	0.108	0.099	0.207	0.085		0.085	0.122
UML	0.005	0.351	0.356	0.351		0.351	0.005	0.005	0.560	0.565	0.564		0.564	0.001
KEMTA	0.025	2.189	2.214	2.205		2.205	0.009	0.009	2.506	2.515	2.501		2.501	0.014
SEML	0.011	0.774	0.785	0.784		0.784	0.001	0.001	0.976	0.977	0.893		0.893	0.084
BSIL	0.015	0.003	0.018	0.006		0.006	0.013	0.013	0.062	0.075	0.019		0.019	0.056
TUML		0.066	0.066	0.039		0.039	0.027	0.027	0.210	0.237	0.220		0.220	0.001
SPL								0.000	0.225	0.225	0.081		0.081	0.144
SOVA								0.000	0.089	0.089	0.086		0.086	0.003
PRIVATE	**0.551**	**49.195**	**49.746**	**48.399**	**0.001**	**48.400**	**1.412**	**1.412**	**48.454**	**49.866**	**48.247**	**0.001**	**48.248**	**1.584**
INDIA	**72.120**	**539.950**	**612.070**	**535.299**	**0.582**	**535.881**	**74.040**	**74.040**	**557.707**	**631.747**	**569.767**	**0.466**	**570.233**	**62.150**

TABLE-4.1:TRENDS OF PIT-HEAD CLOSING STOCK OF DIFFERENT SOLID FOSSIL FUELS IN LAST TEN YEARS

(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)
2003-04	21.291	99.01	9.78	0.212	0.99	-71.00	21.503	6.85
2004-05	23.969	97.81	12.58	0.536	2.19	152.83	24.505	13.96
2005-06	34.334	98.49	43.24	0.525	1.51	-2.05	34.859	42.25
2006-07	44.348	97.79	29.17	1.002	2.21	90.86	45.350	30.10
2007-08	46.779	99.30	5.48	0.328	0.70	-67.27	47.107	3.87
2008-09	47.317	98.13	1.15	0.903	1.87	175.30	48.220	2.36
2009-10	64.863	99.14	37.08	0.565	0.86	-37.43	65.428	35.69
2010-11	72.192	99.16	11.30	0.610	0.84	7.96	72.802	11.27
2011-12	74.040	98.60	2.56	1.051	1.40	72.30	75.091	3.14
2012-13	62.150	97.65	-16.06	1.493	2.35	42.06	63.643	-15.25

TABLE-4.2 : MONTHLY PIT-HEAD CLOSING STOCK OF COAL, LIGNITE AND VARIOUS COAL PRODUCTS IN 2012-13

(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-12	69.088	1.100	0.271	0.322	0.244	2.012	0.037
May-12	67.197	1.194	0.301	0.303	0.220	1.983	0.028
Jun-12	63.047	1.377	0.242	0.295	0.217	1.740	0.04
1st Quarter	**63.047**	**1.377**	**0.244**	**0.295**	**0.217**	**1.74**	**0.04**
Jul-12	58.676	1.175	0.269	0.276	0.201	1.566	0.048
Aug-12	54.634	1.028	0.187	0.334	0.132	1.549	0.039
Sep-12	51.166	0.915	0.232	0.282	0.110	1.499	0.028
2nd Quarter	**51.166**	**0.915**	**0.232**	**0.282**	**0.110**	**1.499**	**0.028**
Oct-12	48.373	0.864	0.242	0.214	0.081	1.408	0.040
Nov-12	47.694	**0.716**	0.195	0.217	0.130	1.311	0.023
Dec-12	50.501	0.515	0.186	0.180	0.090	1.166	0.053
3rd Quarter	**50.501**	**0.515**	**0.259**	**0.18**	**0.09**	**1.166**	**0.053**
Jan-13	53.663	0.507	0.196	0.140	0.133	1.075	0.045
Feb-13	57.811	0.687	0.190	0.187	0.140	0.992	0.026
Mar-13	62.150	1.493	0.224	0.161	0.173	1.075	0.009
4th Quarter	**62.150**	**1.493**	**0.224**	**0.161**	**0.173**	**1.075**	**0.009**

TABLE-4.3 : TRENDS OF PIT-HEAD CLOSING STOCK OF RAW COAL AND LIGNITE BY COMPANIES IN LAST FIVE YEARS

(Million Tonnes)

Company	2008-09		2009-10		2010-11		2011-12		2012-13	
	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India	Quantity	% of All India
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(6)	(7)	(6)	(7)
COAL :										
ECL	2.521	5.3	3.282	5.06	4.342	6.01	4.046	5.46	2.115	3.40
BCCL	5.846	12.4	8.283	12.77	7.951	11.01	6.955	9.39	5.090	8.19
CCL	12.100	25.6	14.868	22.92	16.163	22.39	15.099	20.39	10.854	17.46
NCL	1.010	2.1	2.010	3.10	4.055	5.62	6.843	9.24	9.579	15.41
WCL	2.630	5.6	2.856	4.40	3.950	5.47	5.093	6.88	5.823	9.37
SECL	4.812	10.2	6.930	10.68	10.615	14.70	9.298	12.56	5.541	8.92
MCL	17.399	36.8	23.343	35.99	21.531	29.82	22.122	29.88	18.050	29.04
NEC	0.252	0.5	0.294	0.45	0.293	0.41	0.095	0.13	0.077	0.12
CIL	**46.570**	**98.4**	**61.866**	**95.38**	**68.900**	**95.44**	**69.551**	**93.94**	**57.129**	**91.92**
SCCL	0.152	0.3	1.224	1.89	2.413	3.34	3.038	4.10	2.985	4.80
JKML	0.002	0.0	0.008	0.01	0.004	0.01	0.003	0.00	0.005	0.01
JSMDCL										
DVC	0.064	0.1			0.117	0.16		0.00	0.011	0.02
IISCO	0.010	0.0	0.015	0.02	0.008	0.01	0.009	0.01	0.009	0.01
APMDTCL	0.022	0.0	0.049	0.08	0.104	0.14	0.004	0.01	0.022	0.04
SAIL									0.007	0.01
WBPDCL			0.013	0.02	0.002	0.00	0.006	0.01	0.013	0.02
DVC EMTA					0.021	0.03	0.017	0.02	0.009	0.01
RRUVNL									0.290	0.47
WBMDTCL									0.086	0.14
PUBLIC	**46.820**	**98.9**	**63.175**	**97.40**	**71.569**	**99.14**	**72.628**	**98.09**	**60.566**	**97.45**
BECML	0.014	0.0	0.013	0.02	0.006	0.01	0.023	0.03	0.026	0.04
ICML	0.129	0.3	0.357	0.55	0.363	0.50	0.941	1.27	0.848	1.36
JSPL	0.001	0.0	0.001	0.00	0.005	0.01	0.010	0.01	0.010	0.02
HIL	0.075	0.2	0.066	0.10	0.080	0.11	0.139	0.19	0.122	0.20
Megha										
TISCO	0.030	0.1	0.018	0.03	0.010	0.01	0.034	0.05	0.014	0.02
MIL	0.016	0.0	0.016	0.02	0.007	0.01	0.012	0.02	0.008	0.01
BLA	0.003	0.0			0.008	0.01		0.00	0.001	0.00
CML	0.020	0.0	0.020	0.03	0.020	0.03	0.020	0.03		
PANEM	0.093	0.2	0.100	0.15	0.006	0.01	0.029	0.04	0.083	0.13
PIL	0.001	0.0	0.001	0.00	0.001	0.00	0.001	0.00	0.001	0.00
JNL	0.031	0.1	0.072	0.11	0.001	0.00	0.023	0.03	0.025	0.04
JPL	0.047	0.1	0.842	1.30	0.001	0.00	0.002	0.00	0.001	0.00
SIL	0.003	0.0	0.006	0.01	0.019	0.03	0.015	0.02	0.020	0.03
ESCL	0.001	0.0	0.028	0.04	0.040	0.06	0.108	0.15	0.122	0.20
UML			0.004	0.01	0.005	0.01	0.005	0.01	0.001	0.00
KEMTA	0.026	0.1	0.119	0.18	0.025	0.03	0.009	0.01	0.014	0.02
SEML	0.007	0.0	0.025	0.04	0.011	0.02	0.001	0.00	0.084	0.14
BSIL					0.015	0.02	0.013	0.02	0.056	0.09
TUML							0.027	0.04	0.001	0.00
SPL									0.144	0.23
SOVA									0.003	0.00
PRIVATE	**0.497**	**1.1**	**1.688**	**2.60**	**0.623**	**0.86**	**1.412**	**1.91**	**1.584**	**2.55**
ALL INDIA	**47.317**	**100**	**64.863**	**100.00**	**72.192**	**100.00**	**74.040**	**100.00**	**62.150**	**100.00**
LIGNITE :										
NLC	0.862	95.5	0.410	72.57	0.471	77.21	0.589	56.04	1.121	75.08
GMDCL					0.000					
GIPCL	0.034	3.8	0.155	27.43	0.127	20.82	0.452	43.01	0.296	19.83
GHCL	0.007	0.8			0.012	1.97	0.010	0.95	0.024	1.61
RSMML										
VSLPPL										
BLMCL									0.052	3.48
ALL INDIA	**0.903**	**100**	**0.565**	**100.00**	**0.610**	**100.00**	**1.051**	**100.00**	**1.493**	**100.00**
COAL & LIGNITE	**48.220**		**65.428**		**72.802**		**75.091**		**63.643**	

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

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

Year	Coking Coal		Non-Coking Coal		**Total Coal**		Coke		Lignite	
	Quantity	Value	Quantity	Value	**Quantity**	**Value**	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(8)	(9)
2003-04	12.992	36702	8.691	13385	**21.683**	**50087**	1.894	14741		
2004-05	16.925	72432	12.025	30228	**28.950**	**102660**	2.840	38018		
2005-06	16.891	95373	21.695	53722	**38.586**	**149095**	2.619	22186		
2006-07	17.877	101806	25.204	65080	**43.081**	**166886**	4.686	40211		
2007-08	22.029	121025	27.765	86358	**49.794**	**207384**	4.248	51231		
2008-09	21.080	226140	37.923	187268	**59.003**	**413408**	1.881	46051		
2009-10	24.690	201311	48.565	190489	**73.255**	**391800**	2.355	33311		
2010-11	19.484	208621	49.434	206875	**68.918**	**415496**	1.490	31204		
2011-12	31.801	424692	71.052	363683	**102.853**	**788376**	2.365	47585		
2012-13	32.557	348597	105.002	461531	**137.559**	**810128**	3.077	56868	0.0005	10

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

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

Year	Coking Coal		Non-Coking Coal		**Total Coal**		Coke		Lignite	
	Quantity	Value	Quantity	Value	**Quantity**	**Value**	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(8)	(9)
2003-04	0.158	252	1.469	2670	**1.627**	**2922**	0.197	100		
2004-05	0.240	378	1.134	2040	**1.374**	**2418**	0.155	841		
2005-06	0.046	88	1.943	2585	**1.989**	**2673**	0.157	790		
2006-07	0.107	222	1.447	2915	**1.554**	**3137**	0.076	323		
2007-08	0.036	84	1.591	2684	**1.627**	**2768**	0.097	987		
2008-09	0.109	245	1.546	3240	**1.655**	**3485**	1.338	7246		
2009-10	0.270	696	2.180	4347	**2.450**	**5042**	0.129	2080		
2010-11	0.111	265	1.764	4544	**1.875**	**4809**	0.729	11647		
2011-12	0.097	287	1.917	5525	**2.015**	**5812**	0.613	11525		
2012-13	0.192	302	2.633	7785	**2.825**	**8087**	1.050	5375	0.1065	593

Note: **Source:** DGCI & S , KOLKATA 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 2012-13

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

Country	Coking Coal		Non Coking Coal		**Total Coal**		Coke		Lignite	
	Quantity	Value	Quantity	Value	**Quantity**	**Value**	Quantity	Value	Quantity	Value
AUSTRALIA	24.450	265119	2.549	17229	**26.999**	**282348**	0.044	721		
AUSTRIA	0.017	181	0.000	0	**0.017**	**181**				
BOSNIA-HRZGOVIN							0.042	763		
BRAZIL							0.022	456		
CANADA	0.850	9859	0.133	712	**0.984**	**10571**				
CHINA P RP	0.035	438	0.029	358	**0.065**	**796**	0.104	2417	0.0003	5
COLOMBIA	0.070	678	0.185	1354	**0.255**	**2032**	0.298	4891		
FRANCE							0.005	79		
GERMANY			0.000	12	**0.000**	**12**	0.000	0		
INDONESIA	0.309	3302	79.995	318435	**80.304**	**321736**	0.036	648		
ITALY	0.008	73	0.020	131	**0.028**	**204**	0.015	236		
JAPAN			0.030	126	**0.030**	**126**	0.663	12820		
KOREA RP			0.001	3	**0.001**	**3**	0.015	261		
MALAYSIA	0.002	24	0.014	80	**0.016**	**104**	0.002	37		
MONGOLIA	0.033	417	0.034	167	**0.067**	**584**				
MOZAMBIQUE	0.899	9698	0.016	81	**0.916**	**9779**				
NEW ZEALAND	0.966	10438	0.005	42	**0.971**	**10480**				
POLAND							0.409	7761		
RUSSIA	0.092	997	0.328	3017	**0.420**	**4013**	0.369	6765		
SINGAPORE			0.065	367	**0.065**	**367**				
SOUTH AFRICA	1.451	9099	16.190	89272	**17.641**	**98371**	0.022	345		
SPAIN	0.000	1	0.000	3	**0.000**	**4**	0.000	6		
THAILAND	0.016	131	0.016	110	**0.032**	**241**	0.002	36		
TURKEY	0.005	50	0.000	11	**0.005**	**61**			0.0002	4
U K	0.007	87	0.007	37	**0.014**	**124**	0.022	449		
U S A	3.277	36940	2.820	15732	**6.097**	**52672**			0.0001	1
UKRAINE			0.259	2509	**0.259**	**2509**	0.906	16288		
VIETNAM SOC REP			0.064	969	**0.064**	**969**	0.099	1882		
OTHERS	0.069	1068	2.239	10772	**2.309**	**11840**	0.000	4		
TOTAL	**32.557**	**348597**	**105.002**	**461531**	**137.558**	**810128**	**3.077**	**56868**	**0.0006**	**10**

Table 5.4 : Destination Country- wise Export of Coal, Coke and Lignite to India during 2012-13

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

Country	Coking Coal		Non Coking Coal		**Total Coal**		Coke		Lignite	
	Quantity	Value	Quantity	Value	**Quantity**	**Value**	Quantity	Value	Quantity	Value
BAHARAIN IS			0.000	2	**0.000**	**2**	0.004	71		
BANGLADESH PR	0.035	166	1.436	5011	**1.471**	**5177**	0.001	11	0.0001	1
BHUTAN	0.005	62	0.091	366	**0.096**	**428**	0.629	436	0.0034	40
BRAZIL							0.139	2502		
DJIBOUTI	0.000	0			**0.000**	**0**			0.0475	229
MALAYSIA			0.001	15	**0.001**	**15**	0.081	1282		
NEPAL	0.150	69	0.998	1914	**1.149**	**1983**	0.167	442	0.0541	226
OMAN	0.000	2	0.000	1	**0.000**	**3**	0.000	0	0.0001	14
PAKISTAN IR			0.046	218	**0.046**	**218**	0.010	225		
SAUDI ARAB			0.000	3	**0.000**	**3**	0.001	18		
SRI LANKA DSR			0.001	1	**0.001**	**1**	0.001	36	0.0000	1
TAIWAN							0.012	233		
U ARAB EMTS			0.050	212	**0.050**	**212**	0.001	23	0.0001	2
U S A			0.000	0	**0.000**	**0**	0.000	0	0.0004	39
OTHERS	0.000	2	0.010	42	**0.010**	**44**	0.004	97	0.0009	42
TOTAL	**0.192**	**302**	**2.633**	**7785**	**2.825**	**8087**	**1.050**	**5375**	**0.1065**	**593**

Table 5.5 : Port Wise Import of Coal, Coke and Lignite to India during 2012-13

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

Port	Coking Coal		Non Coking Coal		**Total Coal**		Coke		Lignite	
	Quantity	Value	Quantity	Value	**Quantity**	**Value**	Quantity	Value	Quantity	Value
AHMEDABAD AIR CARGO COMPLEX								0		
APPIIC MULTI PROD SEZ VIZAG DC			0.010	73	**0.010**	**73**				
ATTARIROAD,AMRITSAR			0.003	21	**0.003**	**21**				
BEDI SEA	0.329	2921	3.611	10737	**3.939**	**13658**				
BHAVNAGAR			0.305	1050	**0.305**	**1050**				
CHENNAI AIR	0.000	0			**0.000**	**0**				
CHENNAI SEA	0.110	1314	4.526	22191	**4.637**	**23505**				
COCHIN SEA			0.018	64	**0.018**	**64**				
DEHEJ SEA			7.750	32961	**7.750**	**32961**				
DELHI (ICD)			0.000	0	**0.000**	**0**				
ENNORE SEA	0.083	773	1.422	4473	**1.506**	**5246**	0.075	1349		
GANGAVARAM PORT	4.630	51119	5.207	24233	**9.837**	**75351**				
HYDERABAD AIRPORT	0.000	0			**0.000**	**0**				
ICD BANGALORE			0.000	2	**0.000**	**2**				
ICD BHUSAWAL										
ICD LUDHIANA			0.001	12	**0.001**	**12**				
KAKINADA SEA			2.127	8789	**2.127**	**8789**				
KANDLA SEA	0.329	3521	3.921	13477	**4.249**	**16998**				
KARIKAL	0.681	7501	3.294	16009	**3.975**	**23510**				
KIADB FOOD SEZ KARNATAKA			0.015	44	**0.015**	**44**				
KIADB TEXTILE SEZ KARNATAKA			0.078	241	**0.078**	**241**				
KOLKATA AIR	0.000	0			**0.000**	**0**				
KOLKATA SEA	4.412	49663	2.161	11364	**6.573**	**61026**	0.853	16256	0.0003	5
KRISHNAPATNAM	1.384	13446	12.170	54699	**13.555**	**68145**	0.039	773		
MAGDALLA PORT SEA	0.762	6195	3.929	16381	**4.692**	**22575**	0.983	17609		
MARMAGOA SEA	5.407	55078	1.162	6339	**6.569**	**61417**	0.087	1642		
MULDWARKA			0.631	3047	**0.631**	**3047**				
MUMBAI AIR		0	0.000	1	**0.000**	**1**				
MUMBAI SEA			4.407	24239	**4.407**	**24239**				
MUNDRA	1.407	13524	12.318	52186	**13.725**	**65710**	0.001	4	0.0000	1
NAVLAKHI	0.005	24	6.307	25410	**6.312**	**25434**				
NEWMANGALORE SEA	0.684	6275	5.627	26545	**6.312**	**32820**	0.086	1400		
NHAVA SHEVA SEA	0.001	12	0.009	214	**0.010**	**226**	0.000	3	0.0003	5
OKHA	0.107	1102	1.188	6472	**1.295**	**7573**				
PARADIP SEA	5.636	63556	10.991	50638	**16.627**	**114194**	0.689	12657		
PETRAPOLE LAND							0.000	4		
PIPAVAB(VICYOR)	0.081	842	1.294	6758	**1.375**	**7600**				
PORBANDAR	0.009	100	0.552	2675	**0.561**	**2774**				
SEZ Dahej			0.001	3	**0.001**	**3**				
SIKKA			0.102	653	**0.102**	**653**				
TUTICORIN SEA			5.086	21688	**5.086**	**21688**	0.002	49		
VISAKHAPATNAM SEA	6.500	71632	4.778	17845	**11.278**	**89478**	0.263	5121		
TOTAL	**32.557**	**348597**	**105.002**	**461531**	**137.558**	**810128**	**3.077**	**56868**	**0.0006**	**10**

Table 5.6 : Port Wise Export of Coal, Coke and Lignite to India during 2012-13

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

Port	Coking Coal		Non Coking Coal		**Total Coal**		Coke		Total Lignite	
	Quantity	Value	Quantity	Value	**Quantity**	**Value**	Quantity	Value	Quantity	Value
BANGALORE AIRPORT			0.000	0	**0.000**	**0**				
BEDI SEA									0.048	229
BHITHAMORE			0.000	1	**0.000**	**1**				
BHOLLAGANJ	0.001	34	0.008	31	**0.009**	**65**				
BORSORAH			0.998	3358	**0.998**	**3358**				
CFS MULUND									0.000	18
CFS PATPARGANJ			0.000	0	**0.000**	**0**				
CHASUAPARA	0.034	132	0.177	709	**0.210**	**841**				
CHENNAI AIR										
CHENNAI SEA	0.000	0	0.001	0	**0.001**	**0**	0.000	0	0.000	1
COCHIN SEA			0.000	0	**0.000**	**0**				
DALU			0.014	45	**0.014**	**45**				
DAWKI	0.000	0	0.190	665	**0.190**	**665**				
DELHI (ICD)			0.000	1	**0.000**	**1**				
GHAJADANGA	0.000	1	0.000	0	**0.000**	**1**	0.000	1	0.000	1
GOURIPHANTA	0.001	8	0.016	72	**0.018**	**80**				
HILI (WEST)	0.000	0	0.000	0	**0.000**	**0**	0.000	0		
HYDERABAD AIRPORT				0		**0**				
ICD HYDERABAD										
ICD LUDHIANA			0.000	0	**0.000**	**0**				
ICD SABARMATI			0.000	0	**0.000**	**0**	0.000	0		
ICD TONDIAR-PET CHENNAI							0.000	0		
JAIGAON	0.005	62	0.091	366	**0.096**	**428**	0.629	436	0.003	40
JOGBANI	0.136	1	0.654	38	**0.790**	**39**	0.002	6	0.018	0
JOYNAGAR	0.001	6	0.016	5	**0.018**	**12**	0.040	1		
KANDLA SEA			0.000	3	**0.000**	**3**	0.116	1882		
KOLKATA AIR										
KOLKATA SEA			0.001	13	**0.001**	**13**	0.000	5		
KOTWALIGATE (MOHEDIPUR)			0.000	0	**0.000**	**0**				
L C S KHUNWA			0.000	0	**0.000**	**0**			0.000	0
MAGDALLA PORT SEA			0.096	428	**0.096**	**428**				
MAHENDRAGANJ			0.000	0	**0.000**	**0**				
MANKACHAR			0.000	0	**0.000**	**0**				
MARMAGOA SEA							0.000	11		
MUMBAI AIR			0.000	0	**0.000**	**0**	0.000	0		
MUNDRA	0.000	0	0.000	2	**0.000**	**2**	0.137	2591	0.001	69
NAUTANWA (SONAULI)	0.000	0	0.044	201	**0.044**	**201**	0.063	285	0.001	2
NEPALGANJ	0.000	2	0.021	109	**0.022**	**111**	0.003	16	0.001	4
NHAVA SHEVA SEA	0.000	2	0.000	6	**0.000**	**8**	0.000	1	0.000	9
PANITANKI	0.011	53	0.229	1393	**0.240**	**1446**	0.038	40	0.034	220
PETRAPOLE LAND			0.000	0	**0.000**	**0**	0.000	5		
RAXAUL LAND	0.000	0	0.018	97	**0.018**	**98**	0.021	95		
SUTARKANDI			0.058	237	**0.058**	**237**				
TANAKPUR (NAINATAL)							0.000	0		
TUTICORIN SEA	0.000	1			**0.000**	**1**				
TOTAL	**0.192**	**302**	**2.633**	**7785**	**2.825**	**8087**	**1.050**	**5375**	0.107	593

Table 6.1.: SUMMARY OF ALLOCATION OF COAL & LIGNITE BLOCKS TILL 31.03.2013

Sector	End Use	Mode of Allotment	No of blocks	Geological Reserves (MT)
(1)	(2)	(3)	(4)	(5)
A. COAL BLOCKS				
Public Sector Undertakings	Power	Govt. dispensation	25	12774.3
	Power	Captive dispensation	24	4012.0
		Sub total	**49**	**16786.3**
	Commercial Mining	Govt. dispensation	38	6692.6
	Iron & Steel	Govt. dispensation	2	84.0
	Iron & Steel	Captive dispensation	2	393.8
		Sub total	**4**	**477.8**
		PSU Total	**91**	**23956.7**
Private Companies	Power	Captive dispensation	29	6609.4
	Power	Ultra Mega Power Project	7	2607.0
		Sub total	**36**	**9216.4**
	Iron & Steel	Captive dispensation	65	10064.8
	Cement	Captive dispensation	4	282.4
	Small and Isolated Patch (Commercial Mining)	Captive dispensation	2	9.3
	Coal To Oil	Captive dispensation	2	3000.0
		Pvt. Total	**109**	**22572.9**
ALL INDIA	Power		85	26002.6
	Iron & Steel		69	10542.6
	Cement		4	282.4
	Commercial Mining		40	6701.9
	Coal To Oil		2	3000.0
		Grand Total	**200**	**46529.6**
B. LIGNITE BLOCKS				
State PSU	Power	Govt. dispensation	7	1211.2
	Commercial	Govt. dispensation	13	640.6
	Subtotal		**21**	**1851.9**
Private	Power	Captive dispensation	9	371.7
ALL INDIA	Power		15	1582.9
	Commercial		13	640.6
	Grand Total		**28**	**2223.5**

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

Table 6.2: Yearwise and Sectorwise Allotment of Captive Coal Blocks (till 31.03.2013)

GR in Mill. Tonnes.

Year of Allotment	Power		Iron & Steel		Govt. Commmercial		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**
(1)	(2)	(3)	(4)	(5)	(5)	(6)	(7)	(8)	(9)	(10)	**(11)**	**(12)**
1993	1	140.5	0	0.0	0	0.0	0	0.0			**1**	**140.5**
1994	1	22.6	0	0.0	0	0.0	0	0.0			**1**	**22.6**
1995	1	84.5	0	0.0	0	0.0	0	0.0			**1**	**84.5**
1996	1	125.7	3	535.0	0	0.0	2	9.3			**6**	**670.1**
1997	0	0.0	0	0.0	0	0.0	0	0.0			**0**	**0.0**
1998	3	454.8	0	0.0	0	0.0	0	0.0			**3**	**454.8**
1999	0	0.0	3	233.2	0	0.0	0	0.0			**3**	**233.2**
2000	0	0.0	1	156.0	0	0.0	0	0.0			**1**	**156.0**
2001	1	562.0	1	34.3	0	0.0	0	0.0			**2**	**596.3**
2002	1	92.3	0	0.0	0	0.0	0	0.0			**1**	**92.3**
2003	10	234.9	7	442.1	3	439.8	0	0.0			**20**	**1116.9**
2004	4	2143.5	0	0.0	0	0.0	0	0.0			**4**	**2143.5**
2005	5	1057.6	15	2013.5	1	103.2	0	0.0			**21**	**3174.3**
2006	19	7394.0	14	3640.4	17	4172.2	0	0.0			**50**	**15206.6**
2007	22	8685.7	8	782.5	15	1836.8	2	225.4			**47**	**11530.5**
2008	10	2596.0	8	686.4	1	84.0	2	57.1			**21**	**3423.5**
2009	5	1608.6	8	1940.6	0	0.0	0	0.0	2	3000.0	**15**	**6549.2**
2010	1	800.0	0		0		0		0		**1**	**800.0**
2011			1	78.4	1	56.7	0		0		2	**135.1**
2012*	0				0		0		0			
2013*	0				0		0		0			
Total	**85**	**26002.6**	**69**	**10542.6**	**38**	**6692.7**	**6**	**291.8**	**2**	**3000.0**	**200**	**46529.7**

Note: * Till March'2013 GR=Geological Reserves as estimated during allocation.
GR quantities are GR value as available with this office and subject to change for few blocks with approval of Mine Plan.

Table 6.3: Statewise and Sectorwise Allotment of Captive Coal Blocks - (till 31.03.2013)

GR in Mill. Tonnes.

State	Power		Iron & Steel		Govt. Commmercial		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
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Arunachal Pradesh	0	0.0	0	0.0	1	27.0	0	0.0			**1**	**27.0**
Andhra Pradesh	1	61.3	0	0.0	0	0.0	0	0.0			**1**	**61.3**
Chhattisgarh	17	5185.4	14	1832.0	9	2036.4	1	36.2			**41**	**9090.0**
Jharkhand	24	8254.9	22	3057.0	10	1559.5	0	0.0			**56**	**12871.3**
Maharashtra	8	338.1	14	621.7	2	84.0					**24**	**1043.8**
Madhya Pradesh	5	1859.2	7	445.3	8	792.3	5	255.6			**25**	**3352.4**
Orissa	21	9517.7	8	2863.1	2	886.3	0	0.0	2	3000.0	**33**	**16267.1**
West Bengal	9	786.0	4	1723.6	6	1307.2	0	0.0			**19**	**3816.7**
Total	**85**	**26002.6**	**69**	**10542.6**	**38**	**6692.6**	**6**	**291.8**	**2**	**3000.0**	**200**	**46529.7**

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

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

Year	Target / Achivement	Power		Iron & Steel		Govt. Comm		Private Comm & Cements		**Total**	
		No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)	No. of Coal Blocks	Production (Mill. Tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1997-98	Achievement	2	0.710							**2**	**0.710**
1998-99		2	1.792	1	0.037					**3**	**1.829**
1999-00		2	2.165	1	0.781					**3**	**2.946**
2000-01		2	2.411	1	1.416					**3**	**3.827**
2001-02		2	2.911	1	1.549					**3**	**4.460**
2002-03		3	3.404	1	2.116					**4**	**5.520**
2003-04		4	5.364	1	2.466					**5**	**7.830**
2004-05		4	6.923	2	3.091			2	0.096	**8**	**10.110**
2005-06		5	7.578	2	5.760			2	0.282	**9**	**13.620**
2006-07		5	10.072	4	7.320			2	0.218	**11**	**17.610**
XI th Five Plan											
2007-08	Target 1	13	13.900	4	8.050	1	0.200	2	0.330	**28**	**22.480**
2007-08	Achvmt	7	12.828	5	8.009	1	0.079	2	0.329	**15**	**21.245**
2008-09	Target 1	20	22.530	14	11.210	3	1.650	3	0.330	**58**	**35.720**
2008-09	Achvmt	14	21.248	8	8.387	1	0.142	2	0.236	**25**	**30.013**
2009-10	Target 1	30	24.900	37	19.040	6	2.850	2	0.300	**77**	**47.090**
2009-10	Achvmt	14	25.735	9	9.170	2	0.299	1	0.251	**26**	**35.455**
2010-11	Target 1	33	35.800	41	31.200	8	5.700	2	0.300	**86**	**73.000**
2010-11	Target 2	15	25.500	9	9.640	1	0.200	2	0.300	**27**	**35.640**
2010-11	Achvmt	15	24.362	10	9.266	1	0.299	2	0.297	**28**	**34.224**
2011-12	Target 1	42	54.280	41	41.300	8	8.200	2	0.300	**93**	**104.080**
2011-12	Target 2	18	27.300	16	10.350	2	0.300	2	0.300	**38**	**38.250**
2011-12	Achvmt	15	25.818	11	9.828	1	0.222	2	0.299	**29**	**36.167**
2012-13	Target	17	26.800	17	11.101	3	1.000	2	0.300	**39**	**39.201**
2012-13	Achvmt	19	25.594	12	10.723	2	0.419	2	0.300	**35**	**37.036**

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

ABBREVIATIONS

O.C.	OPENCAST
U.G.	UNDERGROUND

COAL COMPANY :

APMDTCL	Arunachal Pradesh Mineral Development & Trading Corp. Ltd. - Public - Non Captive
BCCL	Bharat Coking Coal Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
BECML	Bengal Emta Coal Mines Limited - Private - Captive
BLA	BLA Industries Limited - Private - Captive
BS ISPAT	B. S. Ispat Limited - Private - Captive
CCL	Central Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
CML	Castron Mining Limited - Private - Captive
DVC	Damodar Valley Corporation - Public - Captive
DVC EMTA	D. V. C. Emta Coal Mines Limited - Public - Captive
ECL	Eastern Coalfields Limited (Coal India Ltd. Subsidiary) -Public - Non Captive
ESCL	Electro Steel Casting Limited - Private - Captive
HIL	Hindalco Industries Limited - Private - Captive
ICML	Integrated Coal Mining Limited - Private - Captive
IISCO	Indian Iron & Steel Company Limited - Public - Captive
JKML	Jammu & Kashmir Minerals Limited - Public - Non Captive
JNL	Jayswal Neco Limited - Private - Captive
JPL	Jindal Power Open Cast Coal Mine - Private - Captive
JSMDCL	Jharkhand State Mineral Development Corporation Limited - Public - Non Captive
JSPL	Jindal Steel & Power Limited - Private - Captive
KEMTA	Karnataka Emta-Private-Captive
MCL	Mahanadi Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
MIL	Monnet Ispat & Energy Lilited - Private - Captive
NCL	Northern Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
NEC	North Eastern Coalfields (Coal India Ltd. Subsidiary) - Public - Non Captive
PANEM	PANEM Coal Mines Limited - Private - Captive
PIL	Prakash Industries Limited - Private - Captive
RRVUNL	Rajasthan Rajya Viduyt Unnayan Nigam Limited - Public - Captive
SAIL	Steel Authority of India Limited - Public - Captive
SCCL	Singareni Collieries Company Limited - Public - Non Captive
SECL	South Eastern Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive
SEML	Sarda Energy & Minarals Limited - Private - Captive
SIL	Sunflag Iron & Steel Company Limited - Private - Captive
SOVA	Sova Ispat Limited - Private - Captive
SPL	Sasan Power Limited - Private - Captive
TISCO	Tata Steel Company Limited - Private - Captive
TUML	Topworth Urja & Metals Limited - Private - Captive
UML	Usha Martin Limited - Private - Captive
WBMDTCL	West Bengal Mineral Development & Trading Corporation Limited - Public - Captive
WBPDCL	West Bengal Power Development Corporation Limited - Public - Captive
WCL	Western Coalfields Limited (Coal India Ltd. Subsidiary) - Public - Non Captive

LIGNITE COMPANY :

GHCL	Gujarat Heavy Chemical Limited - Private - Captive
GIPCL	Gujarat Industries Power Company Limited - Public - Captive
GMDCL	Gujarat Mineral Development Corporation Limited - Public - Non Captive
NLC	Neyveli Lignite Corporation Limited - Public - Non 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
R/P Ratio	Reserve/ Production ratio, calculated at the end of the year indicates the number of years the remaining reserve would last if the production were to continue at that level.

Appendix - A

Concepts, Definitions and Practices

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

2. Classification of Coal

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

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

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

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

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

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

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

ii) **Brown coal** - Non-agglomerating coal with 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 clan 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 carbonaisation 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,

Off-take = Despatches + 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. (JSMDCL) 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.