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CHAPTER



A Bucket wheel excavator

COAL AND LIGNITE PRODUCTION

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Coal Demand and Supply

There has been a continuous increase in consumption of coal over the years. Consumption / actual supply of coal (including import) increased from 713.39 MT in 2012-13 to 820.32 MT in 2014-15. The sector wise breakup of actual supply of coal during the period 2012-13 to 2014-15 vis-à-vis the demand as estimated at the beginning of 2015-16 and actual supply from April-December 2015 is given in the table below:

	Sector	2012-13 Actual	2013-14 Actual	2014-15 Actual (P)	2015-16 Est Demand	2015-16 Actual (Apr-Dec 15)
I.	Coking Coal					
1	Steel / Coke Oven & Cokeries (Indigenous)	16.90	15.49	22.28	--	10.68
2	Steel (Import)	35.56	36.87	43.72	--	26.79
	Sub Total	52.46	52.36	66.00	77.00	37.47
II.	Non Coking Coal					
3	Power (Utilities)	457.43	438.83	418.50	604.00	347.71
4	Power (Captive)	55.05	54.42	51.23	69.00	009.04
5	Cement	22.39	11.94	11.36	38.00	006.16
6	Sponge Iron/ CDI	20.90	18.49	14.68	34.00	000.19
7	BRK & Others including Fertilizer and colliery consumption	107.95	163.31	258.55	88.00	174.00
	Sub Total	662.94	686.99	754.32	833.00	537.10
	Total Raw Coal	713.39	739.35	820.32	910.00	574.57
P- Provisional		Source : Coal Controller Organisation				

Coal Production

The Production of coal by the CIL during April-December, 2015 was 447.48 MT in 2015-16 as against the annual target of

700 MT. The SCCL produced 43.24 MT of coal during 2015-16 against the annual target of 56 MT. The company wise raw coal production target for 2015-16 and achievement is given in the table.

**Company wise production of Coal
(in million tonnes)**

Company	2012-13 (Actual)	2013-14 (Actual)	2014-15 (Actual)	2015-16 Target	2015-16 Actual (Apr-Dec 15.)	2015-16 Estimated prov. Jan 16–March 16
ECL	033.91	036.05	040.00	042.13	026.11	16.02
BCCL	031.21	032.61	034.51	035.85	025.40	10.45
CCL	048.06	050.02	055.65	060.60	041.46	19.14
NCL	070.02	068.64	072.48	078.10	056.48	21.62
WCL	042.29	039.73	041.15	045.10	030.30	14.80
SECL	118.22	124.26	128.28	137.00	096.17	38.24
MCL	107.89	110.44	121.38	150.00	097.39	42.61
NEC	000.61	000.66	000.78	001.22	000.17	0.34
CIL	452.21	462.41	494.23	550.00	373.48	163.22
SCCL	053.19	050.47	052.54	056.00	043.24	12.76
Others	051.00	052.89	065.67	094.00	030.76	10.25
Total	556.40	565.77	612.44	700.00	447.48	186.23

2015-16: Jan 16-March 16 production has been estimated in respect of CIL & SCCL on the basis of RE and actual up to Dec 2015.
2015-16: Jan 16-March 16 production has been estimated in respect of Captive & Others on prorata basis.

Import

The total import of coal as per information available (up to October, 2015), was placed at 111.68 MT. Accordingly, the source wise break up of actual supply is presented for Apr-Dec. 2015 in the following table along with figures for 2014-15.

(In million tonnes)

Coal Supply and Demand				
Source	2014-15 Target/ Estimate	2014-15 Actual	2015-16 Target/ Estimate	2015-16 Actual Apr-Dec 15
CIL	520.00	488.92	550.00	389.00
SCCL	055.50	052.66	056.00	043.57
Others	068.25	066.05	094.00	030.00
Total indigenous supply	643.75	607.63	700.00	462.56
Demand projected / Actual supply (Domestic+ Import)	787.03	819.73	910.03	574.24
Import– Estimated / Actual	143.28	212.10	210.03	111.68 #

Note: Demand is assessed by the Planning Commission at the beginning of each Annual Plan whereas the supply figures are based on actual as realized by the end of the reporting period

Import up to the month of October, 2015.

Lignite Production and Power Generation

The Neyveli Lignite Corporation (NLC) had a target of 25.67 MT of lignite and 20944.52 MU of power generation for 2015-16. Against which actual production of lignite was 15.60 MT and 13977.05 MU of power generation during Apr-Dec 2015-16 and the provisional production of lignite and power generation for the period January 2016 to March 2016 is estimated at 8.18 MT. and 5945.98 MU respectively. The details of which are given in the table.

Year	Lignite Production (MT)	Power Generation (MU)
2012-13 (Actual)	26.22	19902.34
2013-14 (Actual)	26.61	19988.65
2014-15 (Actual)	26.54	19729.13
2015-16 (BE)	25.67	20944.52
2015-16 (Actual)* (Apr- Dec.15)	15.60	13977.05
2015-16 (Prov) Jan 16 – March 16	08.18	05945.98
2016-17 (BE)	26.80	21567.76
*Provisional.		

Output per Man shift (OMS)
(In metric tonnes)

Year	Coal India Ltd.			Singareni Collieries Co. Ltd.		
	UG	OC	Overall	UG	OC	Overall
2012-13 (Actual)	0.77	11.48	5.32	1.13	11.87	3.94
2013-14 (Actual)	0.76	12.02	5.59	1.12	11.10	3.86
2014-15 (Actual)	0.78	12.97	6.05	1.10	12.14	4.20
2015-16 (BE)	0.86	13.48	6.65	1.42	13.24	4.52
2015-16 (RE)	-	-	-	1.26	13.27	4.52
2015-16 (Actual) (April-Dec.15)	0.88	14.15	6.96	1.20	13.38	4.49
2016-17(BE)	-	-	-	1.48	14.33	4.79

Capital Outlay

The details of Capital Outlay for the year 2012-13 to 2014-15 (Actual), 2015-16 (BE &RE) and 2016-17 (BE) are as under:

(Rs. in crore)

Schemes	2012-13 Actual	2013-14 Actual	2014-15 Actual	2015-16 BE	2015-16 RE	2015-16 Apr-Dec 15	2016-17 BE
CIL	2915.23	4329.86	5173.49	5990.50	6600.00	3334.04	7765.00
SCCL	2047.26	2455.45	2809.00	2390.00	3550.00	1687.24	2300.00
NLC-Mines	57.90	71.94	85.97	731.00	194.00	--	415.52
Power	1770.00	1745.38	1883.79	3474.00	2769.00	--	5863.40
Total NLC	1827.90	1817.32	1969.76	4205.00	2963.00	1134.85	6278.92
Sub Total	6790.39	8602.63	9952.25	12585.50	13313.00	6156.13	16343.92
Research & Development (S&T)	11.40	11.65	17.95	20.25	20.25	14.00	
Regional Exploration	13.00	59.21	58.82	115.00	115.00	103.50	
Detailed Drilling	188.29	170.10	135.71	168.00	168.00	151.20	
EMSC	0.00	0.35	0.00	0.50	0.50	0.0	
Conservation and safety in coal mines	106.30	171.90	185.00	170.00	170.00	170.00	
Dev. Of Transportation Infra. In coalfield areas	40.00	76.06	75.00	75.00	75.00	75.00	
Coal Controller	0.25	0.18	0.15	1.00	1.00	0.15	
Information Technology	0.50	1.25	1.24	1.25	1.25	0.40	
Lump sum prov. For TSP	31.00	31.60	--	--	-	--	
NE Component	---	--	--	--	-	--	
Sub Total Schemes	390.74	522.30	473.87	551.00	551.00	514.24	11.1
Grand Total	7181.13	9124.93	10426.12	13136.50	13864.00	6670.38	
Ad hoc provision of CIL for Overseas	5.00	38.69		500.00	500.00		500.00

Note:

- *Rs. 33.05 + Rs.22.23 cr. Provision for TSP & NE Component for the year 2014-15*
- *#. Ad-hoc provision for proposed acquisition of assets in abroad and Mozambique.*

Plan Expenditure

(Rs in Crore)

Year	Capital Expenditure of CIL	Capital Expenditure of SCCL	Capital Expenditure of NLC
2012-13 (BE)	4275.00	3220.33	1687.45
2012-13 (RE)	3900.00	3220.33	1782.26
2012-13 (Actual)	2915.23	2047.26	1827.90
2013-14 (BE)	5000.00	4000.00	2490.14
2013-14 (RE)	5000.00	2900.00	2490.14
2013-14 (Actual)	4029.60	2455.45	1817.32
2014-15 (BE)	5225.00	3850.00	2936.00
2014-15 (RE)	5225.00	3760.00	2520.00
2014-15 (Actual)	5100.38	3085.78	1969.76
2015-16 (BE)	5990.50	2390.00	4205.00
2015-16 (RE)	6600.00	3550.00	2963.00
2015-16 (Actual) April-Dec.2015	3334.04	1687.24	1134.85
2016-17 (BE) Prov.	7765.00	2300.00	6278.92