

Shovel and Dumper at work



ANNUAL REPORT
2016-17

6

CHAPTER

**COAL AND LIGNITE
PRODUCTION**

COAL AND LIGNITE PRODUCTION

Coal Demand and Supply

There has been a continuous increase in overall consumption of coal over the years. Consumption / actual supply of coal (including import) increased from 713.39 MT in 2012-13 to 832.39 MT in 2015-16. Demand for coal for 2016-17 was estimated at 884.87 MT against which, actual supply of coal in 2016-17 (Apr-Dec. 2016) was 595.02 MT. The sector wise breakup of actual supply of coal vis-à-vis the demand as estimated at the beginning of 2016-17 is given in the table:-

	Sector	2012-13 Actual	2013-14 Actual	2014-15 Actual	2015-16 Actual (P)	2016-17 Estimated Demand	2016-17 Actual April-Dec. (P)	
I.	Coking Coal							
1	Steel / Coke Oven & Cokeries (Indigenous)	16.90	15.49	12.02	12.37	12.51	10.45	
2	Steel (Import)	35.56	36.87	43.72	43.51	44.11	27.05	
	Sub Total	52.46	52.36	55.74	55.88	56.62	37.50	
II.	Non Coking Coal							
3	Power (Utilities)	457.43	438.83	435.44	445.98	598.73	313.92	
4	Power (Captive)	55.05	54.42	62.26	62.27	91.11	37.98	
5	Cement	22.39	11.94	11.36	8.93	34.37	5.18	
6	Sponge Iron/ CDI	20.90	18.49	17.77	7.76	24.05	0.19	
7	BRK & Others including Fertilizer	107.95	163.30	239.57	251.57	80.00	200.25	
	Sub Total	662.94	686.98	766.40	776.51	828.25	557.52	
	Total Raw Coal	713.39	739.34	822.14	832.39	884.87	595.02	
P- Provisional		Source : Coal Controller Organisation						

Coal Supply

The demand for coal for 2016-17, was estimated to be 884.87 MT, whereas the domestic availability was estimated at 724.71 MT. The gap of 160.16 MT was projected to be met through

imports. During the year 2016-17, the actual domestic supply of coal was 466.68 MT during Apr-Dec 2016. Of this the supply of coal from CIL, SCCL and Others including captive blocks was 391.47 MT, 42.67 MT and 32.54 MT, respectively.

Coal Production

Actual coal production by CIL, subsidiary-wise, SCCL and others for the period 2013-14 to 2016-17 (April-December 2016) and anticipated production during January- March 2017 is given below.

Company wise production of Coal (in MT)						
Company	2013-14 (Actual)	2014-15 (Actual)	2015-16 (Actual)*	2016-17 Target	2016-17 Actual (Apr-Dec 16.)	2016-17 Estimated prov. Jan 17 – March 17
ECL	36.05	40.00	40.21	46.94	28.57	18.37
BCCL	32.61	34.51	35.86	37.00	25.77	11.23
CCL	50.02	55.65	61.32	67.00	40.88	26.12
NCL	68.64	72.48	80.22	82.00	59.19	22.81
WCL	39.73	41.15	44.82	48.00	26.76	21.24
SECL	124.26	128.28	135.66	149.67	97.51	52.16
MCL	110.44	121.38	137.90	167.00	98.88	68.12
NEC	0.66	0.78	0.49	1.00	0.26	0.74
CIL	462.41	494.23	536.48 + 2.28 =538.76 #	598.61	377.82	220.79
SCCL	50.47	52.54	60.38	58.00	42.43	15.57
Others	52.89	62.41	40.09	68.10	32.85	35.25
Total	565.77	609.18	639.23	724.71	453.10	271.61

*Provisional # Including Gare Palma IV/2&3 Block's Prod. of 2.28 MT

Import

The total import of coal during the period from April to November 2016 was estimated at 128.83 MT. Source wise break up of actual supply is presented for Apr-Dec 2016-17 in the following table along with figures for 2015-16.

(In MT)

Coal Supply and Demand				
Source	2015-16 Estimate	2015-16 Actual	2016-17 Estimate	2016-17 Actual Apr-Dec 16
CIL	550.00	534.50*	598.61	391.47
SCCL	56.00	58.60	58.00	42.67
Others	94.00	39.40	68.10	32.54
Total indigenous supply	700.00	632.50	724.71	466.68
Demand projected / Actual supply (Domestic+ Import)	910.00	832.38	884.87	595.51
Import– Estimated / Actual	210.03	199.88	160.16	128.83 (upto Nov. 2016)

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. * including Gare-palmaiv/2&3.

Lignite Production and Power Generation

The NLC India (NLCIL) had a target of 26.80 MT of lignite production and 21567.76 MU of power generation for 2016-17. Against which actual production of lignite was 18 MT and 15333.75 MU of power generation during April-December 2016 and the provisional production of lignite and power generation for the period January to March 2017 is estimated at 8.80 MT and 6234.01 MU, respectively. The details of which are given in the table.

Year	Lignite Production (MT)	Power Generation (MU)
2012-13 (Actual)	26.23	19902.34
2013-14 (Actual)	26.61	19988.65
2014-15 (Actual)	26.54	19729.13
2015-16 (Actual)*	25.45	19182.21
2016-17 (BE)	26.80	21567.76
2016-17 (RE)	26.80	20515.00
2016-17 (Actual)* (Apr- Dec.16)	18.00	15333.75
2016 -17 Jan 17 – March 17 (Estimated)	8.80	6234.01
2017-18 (BE)	26.49	21637.00
*Provisional.		

Output per Man shift (OMS)
(In MT)

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	12.18	5.62	1.12	11.10	3.86
2014-15 (Actual)	0.78	12.97	6.05	1.10	12.14	4.20
2015-16 (Actual)	0.80	14.35	6.95	1.25	13.82	4.74
2016-17 (BE)	0.89	14.87	7.46	1.50	14.10	4.93
2016 -17 (Anticipated))	0.74	14.76	7.02	1.30	14.18	4.64
2016-17 (Actual) (April-Dec.16)	0.74	14.75	7.01	1.16	13.06	4.43

Capital Outlay

The details of Capital Outlay XII Plan proposals & for the year 2012-13 to 2015-16 (Actual), 2016-17 (BE & RE & Actual upto Dec. 16) and 2017-18 (BE) are as under:

(Rs. in crore)

Schemes	2012-13 Actual	2013-14 Actual	2014-15 Actual	2015-16 Actual	2016-17 BE	2016-17 RE	2016-17 Apr-Dec16 Actual	Jan- March 17 (Anti cipated)	2017-18 BE*
CIL	2915.23	4329.86	5173.49	6289.35	7765.00	7765.00	4266.69	3498.31	7955.55
SCCL	2047.26	2455.45	2809.00	2820.22	2300.00	2300.00	1472.65	827.35	1600.00
NLC-Mines	57.90	71.94	85.97	217.19	415.52	233.24	168.57	246.95	--
Power	1770.00	1745.38	1883.79	1448.85	5863.40	9204.72	2237.80	3625.60	--
Total NLC	1827.90	1817.32	1969.76	1666.04	6278.92	9437.96	2406.37	3872.55	8948.12
Sub Total	6790.39	8602.63	9952.25	10775.61	16343.92	19502.96	8145.71	8198.21	18503.67

*Provisional subject to final approval of Annual Plan discussion.

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)	5173.49	2809.00	1969.76
2015-16 (BE)	5990.50	2390.00	4205.00
2015-16 (RE)	6600.00	3550.00	2963.00
2015-16 (Actual)	6289.35	2820.22	1666.04
2016-17(BE)	7765.00	2300.00	6278.92
2016-17(RE)	7765.00	2300.00	9437.96
2016-17(Actual) April-Dec 2016	4266.69	1472.65	2406.37
Jan-March 17 (Anticipated)	3498.31	827.35	3872.55