

5

PLANNING

5.1 COAL DEMAND

The Working Group (WG) for Coal & Lignite for formulation of XI Plan has assessed the coal demand of 731.00 MT (Original) and 713.24 MT (Revised) as per Mid-Term Appraisal in the terminal year XI Plan i.e.

2011-12. The All India coal demand for the year 2009-10 (BE & RE) have been assessed as 628.02 MT and 597.46 respectively. The Sector wise break-up is as under:-

(in million tones)

S. No.	Sectors (Actual) As per Annual Plan	2008-09 BE As per 2010-11	2009 - 10 BE As Per MTA	2009-10 RE As Per MTA	2010-11 Assessed by Planning Commission	XI Plan Project [2011-12] Original	XI Plan Project [2011-12] Revised
1.	Steel & Coke-Oven	37.03	44.00	44.00	50.51	68.50	68.50
2.	Power (Utility)	361.10	397.54	401.00	434.00	483.00	473.00
3.	Power (Captive)	33.18	57.66	40.00	43.00	57.06	47.00
4.	Cement	19.39	25.59	25.59	30.00	31.90	33.35
5.	Sponge Iron	19.71	44.33	28.80	35.20	28.96	28.96
6.	BRK & Others	75.32	58.90	58.07	61.00	61.58	62.43
	Total	545.72	628.02	597.46	653.71	731.00	713.24

5.2 COAL SUPPLY AND DEMAND

It is estimated that by the end of terminal year of 11th Plan(2011-12), the coal demand would be about 713 Million Tonnes, whereas the indigenous

availability would be about 630 Million Tonnes. Therefore, there is likely to be a gap of 83 Million Tonnes, which is required to be met through imports. The details are given below:

(figures in million tonnes)

Source	2007-08 [Actual]	2008-09 RE	2008-09 [Actual]	2009-10 [BE]	XI Plan Proj. [2011-12]
CIL	375.33	405.00	400.68	437.00	486.50
SCCL	41.95	41.50	44.41	44.50	47.00
Others	37.14	50.79	43.90	52.83	96.41
Total indigenous supply	454.42	497.29	488.99	534.33	629.91
Demand	507.11	550.00	548.86	604.44	713.00
Total Import (a+b)	49.80	53.16	59.00	70.00	51.00
Gap to be met through imports	49.80	53.16	59.00	70.00	83.00

5.3 COAL PRODUCTION

Subsidiary wise coal production target of CIL for the XI Plan period (2007-12) are given below:-

(in million tones)

Company	2007 - 08 [Actual]	2008-09 [Actual]	2009-10 [RE]	2009-10 [Actual] upto Jan.2010	2011-12 [Proj.] As per XI Plan	2011-12 Revised as per MTA
ECL	24.06	28.13	31.00	22.992	46.00	36.00
BCCL	25.22	25.51	28.00	21.171	30.00	30.00
CCL	44.15	43.24	48.00	34.952	78.00	54.00
NCL	59.62	63.65	66.50	54.758	70.00	76.00
WCL	43.51	44.70	46.00	37.458	45.00	47.00
SECL	93.79	101.15	107.60	86.276	111.00	117.00
MCL	88.01	96.34	109.30	79.961	137.00	125.10
NEC	1.10	1.01	1.00	0.851	3.50	1.40
CIL	379.46	403.73	437.40	338.419	520.50	486.50
SCCL	40.60	44.54	45.00	41.029	40.80	47.00
Others	36.94	44.66	52.83	37.025	118.70	96.41
Total	457.00	492.95	535..23	416.473	680.00	629.91

5.4 LIGNITE PRODUCTION AND POWER GENERATION

The details of lignite production and power generation by NLC are given below:

Year	Lignite Production (Million Tonnes)	Power Generation (Million Units)
2008-09 (Actual)	21.31	15767.98
2009-10 (Target) (BE)	21.75	16600.00
2009-10 (Target) (RE)	21.75	16784.00
2009-10 Actual up to December 2009	16.30	13064.17
Projected for the period January 10 to March 2010	6.58	4724.00
2010-11 (Target) (BE)	24.14	18758.00

5.1.5 PRODUCTION PERFORMANCE OF NLC:

Sl.No	Product	2005-06	2006-07	2007-08	2009-09	2009-10 (Apr 09 to Dec 09)
1	Lignite (MT)	20.44	21.01	21.59	21.31	16.30
2	Power Gross (MU)	16424.42	15786.58	17456.89	15767.98	13064.17

5.6 PROJECTION OF OMS

(Figures in tones)

Year	Coal India Ltd			Singareni Collieries Co. Ltd		
	UG	OC	Overall	UG	OC	Overall
2008-09 (Actual)	0.76	8.96	4.09	1.05	10.60	3.01
2009-10 (BE)	0.78	10.91	4.61	1.18	10.75	3.30
2009-10(RE)	0.77	9.81	4.48	1.04	11.61	3.25
2011-12 (Proj.)	0.94	13.18	5.54	1.14	8.40	2.67

5.7 CAPITAL OUTLAY

To achieve the projected coal production in XI Plan, Working Group in Coal & Lignite for XI Plan has estimated a total capital outlay of Rs. 34259 Crore for CIL, SCCL and NLC. Capital Outlay for the departmental

schemes of the Ministry of Coal has been estimated at Rs 7702 Crore. Thus the total Capital Outlay works out to Rs 41961 Crore. However, the Ministry of Coal has proposed for a total Capital Outlay of Rs. 43476.37 Crore. The Planning Commission has

approved total capital outlay of Rs.37,100.00 Crs. The details are as under:

(Rs. in crores)

Company	XI FYP Proposed by MoC	Approved by Plan- ning Comm- ission	2008- 09 (RE)	2008- 09 (Actual)	2009- 10 (BE)	2009- 10 (RE)	2009- 10 (Actual) upto Dec. 2009 Prov.	2010-11 (BE)
Coal India Limited	17390.07	17390.00	2755.00	2507.17	2900.00	3100.00	1963.49	3800.00
SCCL	3340.30	3340.00	665.30	650.44	580.57	633.94	466.46	1334.93
NLC								
Mines	2826.00	2826.00	506.79	400.05	524.09	386.40	222.89	313.94
Power	12218.00	12218.00	1388.55	1159.10	1369.75	844.94	673.49	1669.52
Total NLC	15044.00	15044.00	1895.34	1559.15	1893.84	1231.34	896.38	1983.46
Sub-Total (Coal PSUs)	35774.37	35774.00	5315.64	4716.76	5374.41	4965.28	4222.71	7118.39
Departmental Schemes								
• Science & Technology (S & T)	100.00	75.35	10.00	10.00	20.00	11.00	6.50	10.00
• Regional Exploration	383.50	164.02	65.98	30.00	30.39	30.39	30.39	70.00
• Detailed Drilling	893.89	472.94	40.27	15.00	60.00	60.00	40.00	110.00
• Env. Mgmt & Subsidence Control	4642.88	155.34	10.20	10.00	15.00	10.53	0.00	30.25
• Conservation & Safety in coal mines	692.95	170.67	135.00	132.00	135.00	135.00	0.00	135.00
• Development of transport infrastructure in coalfield areas	972.65	277.63	21.80	0.00	22.00	0.01	0.00	22.00
• Coal Controller's Office	1.13	1.22	0.20	0.49	0.31	0.33	0.22	0.25
• Information Technology	15.00	8.84	3.00	0.00	3.00	0.25	0.00	0.50
• North-Eastern Region	0.00	0.00	0.00	0.00	14.30	12.49	0.00	22.00
Sub-Total (Departmental Schemes)	7702.00	1326.00	286.45	197.49	300.00	260.00	77.11	400.00
Grand Total - MoC	43476.37	37100.00	5602.09	4914.25	5674.41	5225.28	4299.82	7518.39

5.8 PLAN EXPENDITURE

(Rs. in Crores)

Year	Capital Expenditure of CIL	Capital Expenditure of SCCL	Capital Expenditure of NLC	S&T/RE/EMSC D.D/VRS#
2006 - 07 (BE)	3063.70	577.09	999.00	168.71
2006 - 07 (RE)	2420.00	577.09	945.86	300.00
2006 - 07 (Actual)	2059.69	448.63	1123.65	256.40
2007 - 08 (BE)	2472.14	570.58	2006.97	250.00
2007 - 08 (RE)	2066.97	520.00	1930.00	377.00
2007 - 08 (Actual)	2033.51	573.97	1766.71	279.80
2008 - 09 (BE)	3214.70	665.30	2717.00	300.00
2008 - 09 (RE)	2755.00	665.30	1895.34	210.00
2008 - 09 (Actual)	2507.17	650.44	1559.41	197.49
2009 - 10 (BE)	2900.00	580.57	1893.84	310.05
2009 - 10 (RE)	3100.00	633.94	1231.34	994.77
2009 - 10 (Actual) upto Dec. 2009	1963.49	466.46	896.38	77.11

S&T - Science & Technology

R.E - Regional Exploration.

EMSC- Environmental Measures & Subsidence Control.

D.D - Detailed Drilling.

V.R.S. - Voluntary Retirement Scheme