

## PLANNING

### 5.1 COAL DEMAND

The Working Group for Coal & Lignite for formulation of XI Plan has assessed the coal demand of 772.00 MT in the terminal year XI Plan i.e. 2012-13 which was assessed by the Planning Commission

during Annual Plan Discussion on 19.1.2012. The All India coal demand for the year 2011-12 (BE,RE) and 2012-13 (BE ) have been assessed as 696.03 MT, 649.87MT and 772.84 MT respectively. The Sector wise break-up is as under:

( in Million Tonnes)

Sector	Xth Plan	XIth Plan						
	(2006-07) Actual	2007-08 Actual	2008-09 Actual	2009-10 Actual	2010-11 Actual	2011-12 BE	2011-12 Anti.	2012-13 BE
I) Coking Coal								
Steel/Coke Ovens& okeries	17.30	16.99	16.58	15.92	16.80	17.23	17.00	22.00
Steel (Import)	17.88	22.03	21.08	23.47	23.20	29.44	26.00	30.00
Sub-Total Coking	35.17	39.02	37.66	39.39	40.00	46.67	43.20	52.30
II) Non-Coking Coal								
Power Utilites (Gen.Req.)	307.92 (1.61)*	332.40 (1.45)*	362.08 (1.23)*	380.13	405.00	460.00	415.00	512.00
Captive Power	28.13 (1.64)*	29.31 (1.55)*	32.94 (1.38)*	38.47	40.00	40.00	42.94	43.00
Cement	19.74	21.27	20.09	20.80	25.98	28.89	28.00	30.24
Steel DR	17.47	20.92	19.78	22.89	28.80	30.47	30.00	35.30
BRK & others	54.45	60.44	75.63	79.81	85.00	90.00	90.00	100.00
Colly. Consumption	0.99	0.93	0.85	0.76	--	--	0.73	--
<b>Sub-Total Non-Coking</b>	<b>428.70 (3.25)*</b>	<b>465.27 (3.18)*</b>	<b>511.37 (2.61)*</b>	<b>542.86</b>	<b>584.78</b>	<b>649.36</b>	<b>606.67</b>	<b>720.54</b>
<b>Grand Total (I+II):</b>	<b>463.87 (3.25)*</b>	<b>504.29 (3.18)*</b>	<b>549.03 (2.61)*</b>	<b>582.25 (2.21)*</b>	<b>624.78</b>	<b>696.03</b>	<b>649.87</b>	<b>772.84</b>

\* Middlings

### 5.2 COAL SUPPLY AND DEMAND

It is estimated that at the end of terminal year of 11th Five Year Plan (2012-13), the coal demand would be about 772 million tonnes, whereas the indigenous

availability would be about 580.30 million tonnes. Therefore, there is likely to be a gap of 192.50 million tonnes, which is required to be met through imports. The details are given below:

( in Million Tonnes)

Source	2008-09 Actual	2009-10 Actual	2010-11 Actual (Prov)	2011-12 BE	2011-12 RE	XI Plan Proj. 2012-13
CIL	401.44	415.88	424.30	452.00	452.00	470.00
SCCL	44.54	49.37	50.14	51.00	51.00	53.10
Others	44.03	49.25	49.69	56.00	56.00	57.20
Total indigenous supply	490.01	514.50	524.13	559.00	559.00	580.30
Demand	550.00	597.98	656.31	696.03	649.87	772.84
Gap to be met through imports	59.98	83.48	132.18	137.03	90.87	192.50
<b>Total Import</b>	<b>59.00</b>	<b>73.25</b>	<b>92.00</b>	<b>137.03</b>	<b>51.00</b>	<b>142.93</b>

### 5.3 COAL PRODUCTION

Subsidiary wise coal production target of CIL for the XI Plan period (2007-12) are given below. Actual production of CIL for 2007-08, 2008-09, 2009-10 and 2010-

11 (BE) and 2010-11 (Actual), 2011-12 (Actual), 2011-12 (Ante/RE) and 2012-13 (BE) as under:

( in Million Tonnes)

Com- pany	2007-08 (Actual)	2008-09 (Actual)	2009-10 (Actual)	2010-11 (Actual)	2011-12 (BE)	2011-12 (Act) upto Dec.11	2011-12 Ante/RE	2012-13 (BE)
ECL	24.06	28.13	30.06	30.81	33.00	18.95	31.00	33.00
BCCL	25.22	25.51	27.51	29.00	30.00	20.32	30.20	31.00
CCL	44.15	43.24	47.08	47.52	51.00	29.35	49.00	55.00
NCL	59.62	63.65	67.67	66.25	68.50	43.23	68.50	70.00
WCL	43.51	44.70	45.74	43.65	45.50	30.94	43.80	45.00
SECL	93.79	101.15	108.01	112.71	112.00	79.74	113.75	117.00
MCL	88.01	96.34	104.08	100.28	106.00	68.44	103.00	112.00
NEC	1.10	1.01	1.11	1.10	1.00	0.30	0.75	1.10
CIL	379.46	403.73	431.26	431.32	447.00	291.24	440.00	464.10
SCCL	40.60	44.55	50.43	51.33	51.00	35.26	51.00	53.10
Others	36.94	44.48	51.31*	50.41	56.00	33.13	53.90	57.80
<b>Total</b>	<b>457.00</b>	<b>492.76</b>	<b>533.00</b>	<b>533.06</b>	<b>554.00</b>	<b>359.63</b>	<b>544.90</b>	<b>575.00</b>

- Excluding Meghalaya.

### 5.4 LIGNITE PRODUCTION AND POWER GENERATION

The actual Production Performance in 2010-11, the targeted figures (BE & RE)

of 2011-12 and actual up to, December 2011 provisional for the period to January'12 to March 2012 and targeted figure for the year 2012-13 of lignite production and power generation are given below :

Year	Lignite (Million Tonnes)	Power Generation Gross (Million Units)
2010-11 (Actual)	23.144	17881.08
2011-12 (Target) (BE)	23.95	18576.00
2011-12 (Target) (RE)	22.75	17222.00
2011-12 Actual up to December 2011	17.486	13245.98
Provisional for the period January'12 to March 2012	5.264	3976.02
2012-13 (Target) (BE)	24.80	19234.00

## 5.5 PRODUCTION PERFORMANCE OF NLC

Sl No.	Product	2007-08	2008-09	2009-10	2010-11	2011-12 (Apr 11 to Dec 11)
1	Lignite (MT)	21.59	21.31	22.34	23.144	17.49
2	Power Gross (MU)	17456.89	15767.98	17656.04	17881.08	13245.98

## 5.6 PROJECTION OF OMS

(in Tonnes)

Year	Coal India Ltd.			Singareni Collieries Co. Ltd.		
	UG	OC	Overall	UG	OC	Overall
2008-09 (Actual)	0.76	8.95	4.09	1.05	10.60	3.01
2009-10 (Actual)	0.78	9.51	4.47	1.08	10.71	3.36
2010-11 (Actual)	0.77	10.06	4.73	1.10	11.98	3.59
2011-12 (BE.)	0.84	10.73	4.92	1.20	13.01	3.80
2011-12(RE)	0.82	10.27	4.64	1.13	13.92	4.15
2011-12(Actual) upto Dec.2011	0.74	10.02	4.54	1.07	12.64	3.65

### 5.6.1 Coal Production in SCCL (new para added PMS)

( in Million Tonnes)

Target (2011-12)	Actual Production (2011-12) upto December,2011
51.00	36.33

## 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 ₹ 34259 crore for CIL, SCCL and NLC. Capital Outlay for the departmental schemes of the Ministry of Coal has been estimated at ₹ 7702 crore. Thus the total Capital Outlay

works out to ₹ 41961 Crore. However, the Ministry of Coal has proposed for a total Capital Outlay of ₹ 43476.37 Crore. The Planning Commission has approved total capital outlay of ₹37,100.00 crore. The details of Capital Outlay for 2008-09 to 2010-11 (Actual), 2011-12 (BE&RE) and 2012-13 (BE) is as under:

(₹ in crore)

Schemes	XI Plan Approved outlay 2007-12	XI Plan MTA revised outlay	2008-09 Actual	2009-10 Actual	2010-11 Actual	2011-12 BE	2011-12 RE	2012-13 BE
CIL	17390.07	16090.68	2507.17	2809.99	2539.72	4220.00 + 6000.00#	4195.00 + 1000.00#	4275.00 + 5500.00#
SCCL	3340.30	3802.07	650.44	888.67	643.81	2804.30	1389.61	3220.33
NLC-Mines	2993.00	2334.39	400.05	331.43	120.83	104.58	118.90	131.70
Power	12051.00	6140.61	1159.10	1031.47	1323.82	1753.97	1298.95	1555.75
Total NLC	15044.00	8475.00	1559.15	1362.90	1444.65	1858.55	1417.85	1687.45
Sub Total	35774.37	28367.75	4716.76	5061.56	4628.18	8882.85 + 6000.00	7002.46	9182.78
Research & Development (Science & Technology)	75.35	75.35	10.52	11.62	10.00	10.62	10.62	16.00
Regional Exploration	164.02	305.82	30.00	30.39	68.00	62.17	62.17	102.30
Detailed Drilling	472.94	523.08	15.00	60.00	110.00	99.22	99.22	160.00
Environment Management Subsidence Control (EMSC)	155.34	---	9.90	0.00	30.00	50.58	0.00	50.00
Conservation and safety in coal mines	170.67	690.75	132.00	135.00	134.59	121.11	121.11	155.00
Dev. Of Transportation Infra. In coalfield areas	277.63	930.92	0.00	0.00	22.00	22.00	22.00	60.00
Coal Controller's office	1.22	180.00	0.21	0.26	0.22	0.25	0.25	0.25
Information Technology	8.84	180.00	0.28	0.02	0.15	0.45	0.45	0.45
Lump sum prov. For Tribal Sub Plan	--	----	0.00	0.00	0.00	27.00	--	0.00
NE Component						26.60	--	0.00
Sub Total Schemes	1326.01	4463.36	197.91	237.29	374.96	420.00	315.82	544.00
Grand Total	37100.38	32831.11	4914.67	5298.85	5003.143	9302.85 + 6000.00#	7318.28 + 1000.00	9726.78 + 5500.00

#. Ad-hoc provision for proposed acquisition of assets in abroad.

## 5.8 PLAN EXPENDITURE

(₹ in crore)

Year	Capital Expenditure of CIL	Capital Expenditure of SCCL	Capital Expenditure of NLC	S&T/RE/EMSC D.D/VRS#
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	286.45
2008-09 (Actual)	2507.17	650.44	1559.41	197.49
2009-10 (BE)	2900.00	580.57	1893.84	135.54
2009-10 (RE)	3100.00	633.94	1231.34	622.72
2009-10 (Actual)	2809.99	888.67	1363.10	237.29
2010-11 (BE)	3800.00	1334.93	1983.46	400.00
2010-11 (RE)	3615.00	1124.57	1444.65	470.52
2010-11(Actual)	2539.72	643.81	1356.69	218.00
2011-12 (BE)	4220.00	2804.30	1858.55	222.59
2011-12 (RE)	4195.00	1389.61	1417.85	240.52
2011-12(Actual)	2216.00	630.82	1127.57	130.68
Upto Dec. 2011				

# S&T – Science & Technology

R.E – Regional Exploration.

EMSC- Environmental Measures & Subsidence Control.

D.D – Detailed Drilling.

V.R.S. – Voluntary Retirement Scheme.