

CHAPTER – IV

REVIEW OF PAST PERFORMANCE

Sector – wise Coal Demand as assessed by Planning Commission

4.1 There has been continuous increase in the sector-wise as well as overall demand for coal over the years. The demand from Power sector in particular has increased significantly from 339.15 million tonnes (including middling) in the terminal year of Xth Plan (2006-07) to 396.89 million tonnes in 2008-09. It is estimated to be 441 million tonnes for the year 2009-10. The projected demand for the year 2010-11 is 486 million tonnes. Sector-wise total coal demand during 2006-07 to 2011-12 (projected) is given below:-

(Million tones)

Sector	Xth Plan	XI Plan					2011-12 (Proj.)
	(2006-07) Actual	2007-08 Actual	2008-09 Actual	2009-10 <u>BE</u>	2009-10 <u>RE</u>	2010-11 BE	
<i>I) Coking Coal</i>							
Steel/Coke Ovens & Cokeries	17.30	17.99	15.95	20.29	17.26	17.92	27.65
Steel (Import)	17.88	22.03	21.08	--	27.26	32.59	40.85
Sub-Total Coking	35.17	40.01	37.03	20.29	44.52	50.51	68.50
<i>II) Non-Coking Coal</i>							
Power Utilites(Gen.Req.)	307.84 (1.54)*	332.09 (1.35)*	361.10 (1.23)*	397.54	401.00	442.00	483.00
Captive Power	28.13 (1.64)*	31.58 (1.55)*	33.18 (1.38)*	57.66	40.00	44.00	57.06
Cement	19.74	19.32	19.39	25.59	25.59	30.00	31.90
Steel DR	17.47	20.92	19.71	44.33	28.80	28.80	28.96
BRK & others	55.52	60.29	75.32	58.93	58.07	61.00	61.58
Sub-Total Non-Coking	428.70 (3.18)*	464.20 (3.18)*	508.69 (2.61)*	584.04	553.46	605.80	662.50
Grand Total (I+II):	463.87 (3.18)*	504.21 (3.18)*	545.72 (2.61)*	604.33	597.98	656.31	731.00

* Middlings.

4.2 Coal Production

Coal production in Coal India Limited and SCCL are as under:

COMPANY	2006-07 Actual	2007-08 Actual	2008-09 Actual	2009-10 R.E	(In Million Tonnes)	
					Actual upto Dec.2009	2010-11 (BE)
CIL	360.91	379.46	403.73	435.00	295.52	460.50
SCCL	37.71	40.60	44.54	45.00	36.546	45.50
Others	31.88	36.94	44.66	52.83	33.022	65.87
Total	430.50	457.00	492.95	532.83	365.088	571.87

Through a sustained programme of investment and greater thrust on application of modern technology, it has been possible to raise the production of coal from a level of about 96 million tonnes at the time of nationalization of coal mines in the early seventies to about 492.95 million tonnes (All India) by 2008-09. Targeted coal production in the year 2009-10 will be to a level of 532.83 Million tonnes. With a view to meet the increased demand of coal, new coal mining projects and welfare activities are proposed to be taken up.

4.3 Lignite

The Production Programme of NLC for BE 2009-10, RE 2009-10 and BE 2010-11 with actual of 2007-08 and 2008-09 are given below :

Item	2007-08 (Actual)	2008-09 (Actual)	2009-10		2010-11 (BE)
			BE	RE	
1. Lignite (Million tonnes)	21.59	21.31	21.75	21.75	24.14
2. Power (MU)	17456.58	15765.56	16600	16784	18758

Review of the Plan Schemes

Research & Development Projects

- 4.4 The Government of India through Ministry of Coal's Science & Technology (S&T) Plan and Coal India Limited through its R&D Board support R&D activities for improvement in production, productivity and safety in coal mines, coal beneficiation and utilisation and protection of environment and ecology. Adequate funds are being

earmarked annually by the Ministry of Coal and CIL R&D Board to carry out research work on the above subjects in coal and lignite sector.

4.5 Standing Scientific Research Committee (SSRC) under the Chairmanship of Secretary (Coal) is the Apex Body to administer coal related research activities and research grant of Coal India is administered through CIL R&D Board under the Chairmanship of Chairman, CIL.

4.6 Central Mine Planning and Design Institute (CMPDI) is the nodal agency for coordination and monitoring of Coal S&T and CIL R&D projects. These projects are being implemented by various research and academic institutes related to coal and allied industries with active participation of coal and lignite mining companies. Besides being the nodal agency, a number of research projects have also been implemented / are being implemented by CMPDI.

4.7 The status of Coal S&T Projects funded by Ministry of Coal under Coal S&T Grant during the X plan & XI Plan period (till 31.12.2009) is given below:

(Rs. in crore)

PLAN YEAR	X					XI		
	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10 (31.12.2009)
Spill over projects from previous year	42	42	49	47	45	36	34	28
Projects sanctioned during the year	10	18	08	09	02	09	05	07
Projects on-going during the year	52	60	57	56	47	45	39	35
Projects completed during the year	10	10	10	11	10	10	10	08
Projects terminated/foreclosed during the year	Nil	01	Nil	Nil	01	01	01	01
On-going projects as on 31.12.2009	-	-	-	-	-	-	-	26

Promotional Exploration in Coal and Lignite

- 4.8 GSI, MECL and CMPDI are continuing Promotional Exploration in XI plan under the MoC's plan scheme of Promotional Exploration for Coal & Lignite. The summary of Promotional Drilling carried out in Coal & Lignite sectors in 2008-09 and programme for 2009-10 & 2010-11 are given below:

(Drilling in metre)

Command Area	2008-09 Actual	2009-10 BE	2009-10 Proposed RE*	2010-11 Proposed BE*
Physical:				
1. Drilling in C.I.L. Command Area	49666	66000	64000	76650
2. Drilling in S.C.C.L. Command Area	14730	15000	17000	14000
3. Drilling in Lignite Areas	62417	77100	77100	80350
TOTAL	126813	158100	158100	171000

* Achievement of target depends upon timely availability of forest clearance to take up drilling in forest areas and occurrence of lignite in identified blocks.

Note: 1) During the period April to December 2009, a total of 76,289m of promotional drilling has been carried out. Out of it, 23,758m has been drilled in CIL command area, 8,723m in SCCL command area and 43,807m in lignite areas. A total of 12 Geological Reports [coal (11) and lignite (1)] have been submitted during the period.

2) Under Integrated Coal Reserves Information System (ICRIS) project, map data capture of 1538 maps has been finalized and work on more maps is continuing. Integration of survey of 92 blocks has been brought to a single origin. Processing of data for creation of Geological models is progressing and 10 models have been prepared during the period April to December 2009.

3) Under Integrated Lignite Reserves Information System (ILRIS) project, scanning of 1233 Geophysical Logs of exploratory boreholes drilled in 5 lignite blocks, geological modelling of four lignite blocks through MINEX software and data uploading of seven geological/other reports has been completed during April to December '09. Compilation of seasonal reports of CGM/Gujarat for Surat & Bharuch

districts for creation of database and action for procurement of Open Series Maps from Survey of India for datum transformation are under process.

4) CMPDI and GSI have collected samples from seven boreholes for Coal Bed Methane (CBM) studies. Collection of samples from two more boreholes is going on. The analysis of collected samples and preparation of one CBM report was under progress during the period April to December 2009.

Detailed Exploration in Non-Cil Blocks

4.9 The exploratory drilling in Non-CIL/Captive Mining blocks is taken up under Ministry of Coal 's plan scheme of Detailed Drilling in Non-CIL Blocks.

4.10 The details of actual drilling in Non-CIL/Captive Mining Blocks in 2008-09 and programme for 2009-10 & 2010-11 are given below:

(Drilling In metre)

Agency	2008-09 Actual	2009-10 BE	2009-10 Proposed RE	2010-11 Proposed BE*
Physical:				
1) CMPDI Departmental	59936	57600	72390	74555
2) Outsourcing by CMPDI	14394	59400	97000	103000
TOTAL	74330	117000	169390	177555

* Achievement of target depends upon timely availability of forest clearance to take up drilling in forest areas and availability of suitable agencies for exploration in future tendering.

Note: During the period April to December 2009, a total of 1,53,778m of detailed drilling has been carried out in Non-CIL/Captive Mining blocks falling in CIL Command Area. Out of it, 60,278m has been drilled through departmental resources and 93,500m of drilling has been carried out through outsourcing. IGR of one block has been submitted during the period and GR of one more block is under preparation.

Environmental Measures And Subsidence Control

4.11 The objective of this scheme is to improve the environmental conditions in the old mined out areas of Jharia and Raniganj Coalfields by addressing fire and subsidence problems.

4.12 Major thrust areas in EMSC during the XI Plan period are the following:-

- (a) Control of subsidence in the old, abandoned waterlogged workings in Raniganj Coalfields.
- (b) Control of mine fires and subsidence in Jharia Coalfields.
- (c) Reclamation of mined-out areas in older coalfields like Raniganj, Jharia, Bokaro, Karanpura, etc.
- (d) Rehabilitation of unstable and fire affected areas in Jharia and Raniganj Coalfields.

4.13 The problem of subsidence in the old, abandoned and waterlogged workings has arisen due to unscientific mining carried out under shallow cover in the past and is mainly confined to Raniganj coalfield of West Bengal. For this problem of Raniganj Coalfield, an Apex Monitoring Committee consisting of representatives of Coal Company, District Administration, Directorate General of Mines Safety, Central Mining Research Institute and peoples' representatives (M.P., MLA etc.) was constituted by CIL in 1990.

4.14 Occurrence of fires in coal mines is due to the phenomenon of spontaneous combustion which is inherent in Indian coals. The first occurrence of coalfield fire in Jharia was reported in 1916. At the time of nationalisation of coking coal mines in 1971, there were 70 active fire sites spread over an area of about 17 Sq.km. Out of these, 10 fires have been extinguished so far. Further work is in progress.

Master Plan For Jharia & Raniganj Coalfields

- 4.15** For dealing with the problem of subsidence and fire in Raniganj and Jharia Coalfields, in a comprehensive manner, a Committee was constituted by Govt. of India in December 1996 with Secretary (Coal) as Chairman and representatives of Planning Commission, Ministry of Labour, Govt. of West Bengal, Govt. of Bihar, Directorate General of Mines Safety, CIL, CMPDI, BCCL and ECL as members. The Committee submitted its report in December 1997. The recommendations of the Committee were accepted by the Government. Accordingly, Master Plans for rehabilitation of unstable and fire affected areas was drawn up for Jharia and Raniganj Coalfields and was subsequently up dated in March /April, 2008.
- 4.16** The Government has approved the Master Plan dealing with fire, subsidence and rehabilitation and diversion of surface infrastructure within the leasehold of Bharat Coking Coal Limited (BCCL) & Eastern Coalfields Limited (ECL) on 12th August, 2009 at an estimated investment of Rs.9773.84 crores (Rs.7112.11 crores for Jharia Coal Field (JCF) and Rs.2661.73 crores for Raniganj Coal Field (RCF) including Rs.116.23 crores sanctioned earlier for various Environmental Measures & Subsidence Control (EMSC) schemes. The Master Plan is scheduled to be implemented in ten years time and in case of BCCL two additional years for pre-implementation activities. All the EMSC Schemes have been subsumed. The scheme is funded through EMSC Plan Scheme of Ministry of Coal..
- 4.17** Asansol Durgapur Development Authority (ADDA) and Jharkhand Rehabilitation Development Authority (JRDA) have been notified by the state Governments of West Bengal and Jharkhand respectively as implementing agencies for rehabilitation purposes. Coal companies (ECL & BCCL) will provide technical support and the outlay will be funded partially through the internal resources of CIL and the cess collection under CCDA.

The implementation of the Master Plan for Jharia and Raniganj Coalfields is being monitored by the High Powered Central Committee constituted by this Ministry under the chairmanship of Secretary (Coal). The first meeting of this committee was held on 10.11.2009.

Conservation & Safety in Coalmines and Development of Transport Infrastructure under CCDA.

4.18 These schemes were partially subsidized through Non-Plan provisions for the last 31 years in the form of reimbursement to the Coal Mine owners as per the statutory provisions under the Coal Mines (Conservation and Development) Act, 1974 primarily to ensure conservation of coal with related safety aspects of the coal mines and also to facilitate smooth movement of the coal to the consumers at large through infrastructure development. The said Act empowers Central Government to collect duty of excise on all coal produced and despatched from all the collieries in India (actually paid by the consumers) and to disburse, in each financial year, a sum not exceeding a net proceeds from such collection during preceding year or years, to owners, agents or the managers for execution of stowing and other operations for the safety in coal mines or conservation of coal, prosecution of research work connected with the conservation of coal or development of coal mines and any other purpose connected with the conservation of coal or transportation, distribution or utilising of coal. The principal objective of the Act is to collect excise duty on coal for disbursing the same in total back to the coal mines for conservation and development related works including infrastructure development.

4.19 The examination and scrutiny for reimbursement are done by a duly constituted 'Coal Conservation and Development Advisory Committee' (CCDA Committee) as per the provisions of Coal Mines (Conservation & Development) Rules, 1975. The Government partially reimburses (rest being borne by Coal Companies) these amount to the coal companies through budget provision taking into account the liability already existing during the preceding financial year. The requirement is assessed by the CCDA Sub-committee, followed by the CCDA Committee.

Development of North Eastern Region/Sikkim

4.20 As per relevant instructions on the subject, 10% of the Plan Outlay is required to be earmarked for Development of North Eastern Region/Sikkim. If the amount is not spent, the same is transferred to the Non lapsable pool of the Central Government.

Projects Implemented by PSUs from their Internal and Extra Budgetary Resources (IEBR)

4.21 The projects are implemented by Coal PSUs using their own Internal and Extra Budgetary Resources (IEBR) and the Government does not provide any Budgetary support to them. The statement showing company wise and project wise status and details of projects costing Rs.100 crores and above are given in the **Annexure**.

ANNEXURE

STATUS OF ONGOING PROJECTS COSTING RS. 100 CRORES & ABOVE IN COAL IND.

SUB	SL. NO.	PROJECT	TYPE	SACD. CAPACITY (MTY.)	SACD. CAPITAL (Rs. Crs.)	DATE OF SANC.		GRADE OF COAL	ACTUAL PRODN. 2008-09 (MTE)	BE 2009-10 RE (MTE)	BE 2010-11	STATUS AS ON 31-12-2009
						SCH. OF COMPLN.	ANT. OF COMPLN.					
ECL	1	NARAINKURI	UG	0.54	149.06	Feb-09	Mar-15	C(LF)	0.00	0.00	0.00	NIT for sinking of 2 Nos. shaft 235 m length, 7 m dia : Expression of Interest was floated by CIL in Dec'09. Five responses have been received. EMP: TOR received. Forest Land: Not required on 02-04-08. PH scheduled on 14.10.09 but postponed. Draft EMP is under preparation. Forest land not required.
						Mar-15			0.00			
						Mar-15						
ECL	2	JHANJIRA 2ND CM	UG	0.51	122.35	Feb-09	Mar-11	C & D	0.00	0.00	0.00	Finalisation of Global contract for Continuous Miner: NIT for Continuous Miner (2nd Set) floated on 2.3.09. 3 parties submitted the offer. Land: Application for issue of notification u/s 4(1) of CBA Act for 229.20 Ha (78 Ha forest + 151.20 Ha Tenancy) submitted to MOC on 28.8.09. EMP: EC for 3.5 Mty exists since 1993. Fresh EMP required due to 259.46 Ha of additional land. TOR received on 15-10-09.

ECL 3 SARPI(RCE)AUG.	UG	0.76	147.86	Jun-08	B	0.23	0.32	0.60	Contract with M/s Joy Mining Ltd has been signed in Apr-09 for deploying of Continuous Miner. Expected to be commissioned in Mar-10. EMP: Obtained. Land: Application for acquisition 90.90 Ha land under L.A. Act in Ukhra & Sarpi Mouza submitted to the L.A. Collector, Burdwan on 4/03/09.
				Mar-11					
				Mar-11	MISC.		0.29		

ECL 4 JHANJRA PSLW(R-VI)	UG	1.70	287.17	Nov-06	B	0.00	0.00	0.00	Finalisation of Global Contract for PSLW : Modified NIT floated on 30-01-09. Part-I opened on 25.11.2009. 3 parties . EMP: Already exists. Forest Land not required
				Mar-10					
				Mar-11	NTPC		0.00		

ECL 5 RAJMAHAL EXPN (17)	OC	6.500	153.8200	Sep-09	F	0.000	0.000	0.000	0.000	0.000	0.000	0.000	<p>Finalisation of Tender for partial outsourcing of Coal & OB: Draft NIT for partial outsourcing of Coal and OB submitted. Pre-NIT meeting held on 12-01-2009 with interested bidders. Land: Balance Tenancy Land (733 Ha): Under process of possession. Land for Rehabilitation Site: For rehabilitation of PAFs, 114.79 acres of land at Ranidih was notified on 24-02-05 under LA Act. Against demand, 80% adhoc payment (i.e Rs. 60 Lakh) was deposited with Dy. Commissioner, Godda on 1-8-05. Since then despite regular follow up, the notice of acquisition u/s-8 of LA Act has not been served on the land owners of the Ranidih village by the Dy. Commissioner, Godda. This is delaying the physical possession of land at Mouza Ranidih for the regular rehabilitation of the PAFs. EMP: EC for 17 MTY accorded vide letter dated 11.05.2005 . R&R: 1383 out of 3150 PAPs have been rehabilitated till date.</p>
ECL 6 CHITRA EAST	OC	2.500	112.6900	Aug-07	D	0.000	0.000	0.000	0.000	0.200	0.200	0.200	<p>Finalisation of tender for outsourcing of OB: Proposal under scrutiny. Tenancy land: Inspection done by a team sent by DC, Deogarh from 10.10.09 to 13.10.09. Now a revised proposal of 343.67 Ha is under consideration. Gochar land (40 Ha): Applied for 27.83 Ha to DC, Deogarh on 4-05-06 and pending with him. Govt. land (81.80 Ha): Applied for 16.40 Ha to DC, Deogarh on 4-05-06 and pending with</p>

<p>him. Forestland: Revised application submitted on 28-01-09 to DFO, Deoghhar for 124.28 Ha (80.95 Ha for regularization and 43.33 Ha for transfer). Proposal is lying with MoEF, New Delhi since 29-10-09 after forwarded by State Govt. On instruction by Sr. AIG Forest, MoEF, New Delhi, PCCF, Central, Bhubaneswar has sent a team for site inspection at Project from 3-2-10 to 5-2-10. EMP: TOR for 2.5 MTY received on 30-10-07. EC held on 28.10.09. MoEF, New Delhi asked to submit details of status of forestry clearance along with details of the density of forest and type of forest -Minutes awaited. R&R: 60 families out of 586 families rehabilitated</p>	
<p>Mar-12</p>	
<p>Mar-12</p>	<p>0.000</p>
<p>Oct-09</p>	<p>0.000 0.000 0.000</p>
<p>Mar-14</p>	<p>0.000</p>
<p>Mar-14</p>	
<p>BCCL 7 BLOCK-II (AUG)</p>	<p>UG 0.450 113.3700</p>
<p>Project approved in Oct 09. Project is on schedule</p>	

CCL 8 PURNADIH	OC	3.000	210.9800	Jul-08	E	0.000	0.000	0.600	Forest Land: Proposal for release of 111.89 Ha of forest land is under preparation with land schedule. Demarcation is under progress. Applied for NOC for GMK Jungle Jhari. EMP: EC received vide letter-dated 19.05.09. R&R: 149 PAPs to be rehabilitated.
				Mar-12					
				Mar-12	POWER		0.200		
CCL 9 RAJRAPPA (RCE)	OC	3.000	510.8500	Dec-09	WG-II	1.001	1.250	1.100	RCE approved in Dec 09 for an incremental capital of 510.85 Crs
				Mar-16	RAJRAPPA				
				Mar-16	WASHERY		1.100		
CCL 10 PAREJEAST	UG	0.510	128.8900	May-08		0.000	0.000	0.000	Finalisation & floating of tender for incline driveway: Draft NIT prepared and under scrutiny. EMP: Approved TOR received on 24.8.09. Forest Land: Proposal of 87.69 Ha of forestland withdrawn from forest deptt on 31.8.09. Proposal resubmitted (including 5 Ha) to DFO, Ramgarh on 24.9.09. Pillaring work is being done.
				Mar-12					
				Mar-12			0.000		
CCL 11 MAGADH EXPN.	OC	20.000	706.4000	Aug-08		0.000	0.000	0.000	Outsourcing of Coal & OBR for Magadh 20 MTY: Pre NIT meeting held on 17.12.09. Modifications suggested by the prospective bidders is being incorporated in the Draft NIT. EMP: EC for 20 MTY obtained on 27.10.2008. Forest Land: Rs. 7.42 Crs paid on 31.3.09 as forest compensation. Compliance submitted on 19.05.09 for Stage-II clearance. RCCF, Hazaribagh has forwarded the compliance to Nodal Officer, Jharkhand in Nov ' 09. Chief Secy, Jharkhand directed forest department to expedite the proposal. R&R: 998 PAFs to be rehabilitated
				Mar-13					
				Mar-13			0.000		

CCL 12	ASHOK EXPN.(10 MTY)	OC	10.000	341.6300	Dec-07	E	7.100	9.000	8.750	Outsourcing of Coal & OBR as per PR (10 MTY): TCR approved by CCL Board on 30.7.09 for 20.9 MT coal for 36 months. Work awarded in Aug'09 and work in progress. EMP: EC for 10 Mty approved on 17-04-2008. Forest Land: Proposal for release of 168.15 Ha submitted to Nodal Officer, Jharkhand on 21.11.07. NOC of GMK / Jungle-Jhari from DC Chatra submitted to DFO. Demarcation by pillaring work is being done. R&R : 59 out of 200 PAPs have been rehabilitated till date.
CCL 13	TAPIN	OC	2.500	264.6800	Aug-08	W-111	0.580	0.750	0.700	EMP: EC obtained on 05.10.2009. Forest Land: Proposal forwarded to Secretary (F), Govt. of Jharkhand on 10.11.09.
CCL 14	ROHINI EXPN.(EPR)	OC	2.000	105.6700	Sep-08	E	0.700	0.300	0.300	Supply order for procurement of HEMM: Action has been initiated. EMP: EC obtained on 05.10.2009.
					Mar-11					
					Mar-11	POWER		0.700		
CCL 15	NORTH URIMARI	OC	3.000	179.8700	Dec-07	C	0.350	0.500	0.500	EMP: EC obtained on 08.02.2006. Forest Land: PCCF has forwarded proposal to Secy.(Forest), Govt. of Jharkhand in Nov' 09. Secy(F) has asked for submission of clearance under ST & OTFD Act 2006. R&R: 245 PAPs to be rehabilitated.
					Mar-11	BRO		0.300		

CCL 16	CHURI-BENTI CM	UG	0.810	165.5100	Aug-07 Mar-11 Mar-11	B(LF) BASKET	0.080 0.070	0.140 0.100	Completion of Heightening and widening of Incline No.6: Tender is under scrutiny. EMP: TOR approved on 17.01.2008. Data generation completed. Draft EMP is under preparation. Forest Land: Stage-I clearance for 493.46 Ha obtained on 23.02.09. Payment of forest compensation made on 11.08.09 and. Compliance of stage-I conditions submitted on 26.08.09 and the same has been forwarded to PCCF, Jharkhand on 01.12.09.
CCL 17	URIMARI(EPR)	OC	2.000	143.5700	Jan-09 Mar-11 Mar-11	D POWER (CAPTIVE)	2.440 2.500	2.250 2.500	Supply order for procurement of HEMM: Action has been initiated. EMP: EMP submitted to JSPCB on 11.05.09 for Public Hearing. Forest Land: Proposal for 105.72 Ha has been forwarded to MOEF, New Delhi in Dec'09. FAC is to be held in Feb'10.
CCL 18	KARMA	OC	1.000	162.4600	Jun-09 Mar-14 Mar-14	D BASKET	0.300 0.200	0.300 0.300	Project approved in Jun 09. Project is on schedule.
CCL 19	GOVINDPUR PH-II	OC	1.200	142.1100	Dec-09 Mar-13 Mar-13	E BASKET	0.300 0.900	0.900 0.900	Project approved in Jun 09. Project is on schedule.
NCL 20	NIGAH EXPN.PH-II(15 Mty.)	OC	15.000	2105.8900	Oct-07 Mar-12 Mar-12	C,D,E VINDHYACHAL TPS	11.660 13.000	13.000 14.000	EMP: EC conveyed vide letter-dated 08.05.2007. Forest Land: Land required only after 2018-19. R&R - 625 PAPs out of 1357 have been rehabilitated till date.

NCL 21 KRISHNASILA	OC	4.000	789.8800	May-06	D-E	1.080	3.000	4.000	EMP: EC accorded. Balance 148.86 Ha Forest Land: Tree cutting & transportation of felled trees completed in May'09. Land is yet to be handed over by UP Forest Deptt. As per letter received from DFO, Renukoot, stamp duty on the land is to be deposited for registration of the land. This has been contested and matter is being pursued by legal deptt of NCL. R&R: Completed.
				Mar-10					
				Mar-10	RENUSAGAR TPS		3.000		

NCL 22 AMLOHRI EXPN	OC	10.000	1896.9600	May-06	D-G	5.280	5.500	6.000	EMP: EC for 10 Mty approved. Land: No additional land is required for Expnsion PR (10 Mty). However, balance 81 Ha of Non-Forest of 4 Mty PR is required. Action has been taken for possession of 46 Ha tenancy land. Matter related to 35 Ha Govt land is sub-judiced. R&R: - 151 PAPs out of 197 have been rehabilitated.
				Mar-14					
				Mar-14	RIHAND SUPER TPS		5.500		

NCL 23 BLOCK-B	OC	3.500	746.0400	Jul-06	C-F	3.430	3.000	4.000	EMP: EC accorded vide letter dated 02-02-2006. Balance 85 Ha Forest Land: Required in 2013-14. Balance 129.68 Ha of Non Forest land (44.68 Ha + additional 85 Ha): 44.68 Tenancy Land: Notices for payment of Rs. 29.02 lakhs served. All tenants didn't turn up. Rs. 2.40 lakhs (0.32 Ha land) has been paid. Payment has been sent to bank accounts of respective tenants in June'09. Additional 85 Ha Tenancy Land: Certified land records of Nouriya village obtained. Boundary demarcation work started since 20.07.09. Uncertified land records (Khasra) of 4 villages obtained in June'09. Records of Solang village yet to be obtained from State Govt. authority. Payment for compensation is under process. R&R - 569 PAPs to be rehabilitated.
				Mar-12	S.G. TPS& BASKET		3.000		
				Mar -12					

NCL 24 BINA EXTN.OC	OC	6.000	168.9700	Nov-06	E	5.440	5.500	6.000	EMP: Approved in August-2006. Forest Land: Balance 279 Ha in MP State: Cost of tree felling has already been paid. DFO, Singrauli has been requested vide letter dated 22.6.09 for tree felling on another 100 Ha. Balance 22 Ha in UP State: Premium and lease rent has been made on 04.10.2007. This land is needed in 2011-12. R&R: Completed.
				Mar-14					
				Mar-14	MISC.		5.500		

NCL 25 DUDHICHUA EXPN.(15.00)	OC	5.000	326.5700	Jul-08	C-D	3.270	2.750	4.000	On Schedule.
					WIPS OF NTPC		2.750		

WCL 26 PENGANGA	OC	3.000	339.7706	Oct-08	F	0.000	0.000	0.000	0.000	EMP: TOR received vide letter dated 15.04.09. Documents in compliance of TOR submitted to MPCB on 27-11-09. Date of public hearing is awaited. Land: 766 Ha land notified u/s - 4(1) of CBA Act on 18.07.09. Proposal u/s - 7(i) submitted to MoC on 19-11-09.
SECL 27 AMLAI EXPN.SEC-B	OC	1.500	100.8500	Nov-09		0.000	0.000	0.000	0.000	PR approved in Nov 09.
SECL 28 MANIKPUR EXPN.	OC	3.500	137.9500	Nov-09		0.000	0.000	0.000	0.000	PR approved in Nov 09.
SECL 29 BAROUD EXPN (RAI WEST)	OC	3.000	135.5800	Jul-08	F	1.556	2.500	1.800	1.800	EMP: EC approved on 20.05.09. Land:747.82 ha land notified U/S-4 (1) of CBA Act on 6.1.07. Notification u/s-7(i) issued on 14.2.09. Forest Land: "In principle" approval granted by MoEF on 23.08.06. Application for 236.53 Ha forest land is being prepared. R&R : 835 PAPs to be rehabilitated.
				Mar-12						
				Mar-12	MISC.				0.000	
				Mar-12	POWER/MISC.				1.700	

SECL 30 KUSMUNDA EXPN.-II	OC 15.000	1188.3100	Jun-08	F	10.558	12.250	EMP: EC for 15 Mty obtained on 03-06-2009. Forest Land: Application will be processed after notification u/s-7(i). Land: 865 Ha land notified u/s-4 on 8.6.09. Proposal for notification u/s- 7(i) for 752.456 Ha submitted to MOC on 24.9.09. R&R - 1895 PAPs to be rehabilitated.
			Mar-13				
			Mar-13	POWER PLANT			

SECL 31 BATURA OC	OC 2.000	203.8200	Sep-08	C	0.000	0.000	EMP: TOR received on 20-03-09. Draft EMP along with public hearing document submitted to MPPCB, Bhopal. Land: All the 942.87 Ha land notified u/s-4(i) of CBA Act on 10.7.09. Proposal for notification u/s-7(i) submitted to MoC on 14.10.09. R&R - 805 PAPs to be rehabilitated.
			Mar-14				
			Mar-14	MISC.		0.000	

SECL 32 JAGANNATHPUR(MAHAN-III&IV)	OC 3.000	152.4300	Sep-08	E	0.000	0.000	EMP: Form-I to be submitted. Land: All the 679.79 Ha Notified u/s-4 on 04.04.09. Proposal for notification u/s 7 submitted to MOC on 13.8.09. Notification issued on 10.12.09.
			Mar-14				
			Mar-14	MISC.		0.000	

SECL 33 CHURCHA RE-ORG	UG 1.350	462.3539	Jun-08	B/C(LF)	1.2147	1.2200	EMP: EC for 1 Mty existed since Feb'95. Land: Land acquisition in progress.
			Mar-15				
			Mar-15	POWER PLANT		1.200	

SECL 34 PELMA	OC 10.000	448.3200	Jul-08	F	0.000	0.000	0.000	0.000	EMP: TOR received for 10 Mty. Draft EMP for 15 Mty is under preparation. Form-I to be submitted. Land: Proposal for notification u/s - 7(i) of 2035.74 Ha sent to MoC on 27.6.09. Notification u/s - 7(i) issued on 10.12.09. R&R - 915 PAPs to be rehabilitated
			Mar-12						
			Mar-12	POWER PLANTS			0.000		
SECL 35 KARTALI EAST	OC 2.500	178.4400	Jul-08	C/E	0.000	0.000	0.000	0.000	EMP: Form-I to be submitted. Land: 841.20 Ha land notified u/s - 4(i) on 17.4.09. Proposal for notification u/s 7(i) submitted to MoC on 27.1.10.
			Mar-14						
			Mar-14	MISC			0.000		
SECL 36 GEVRA EXPN (2)	OC 25.000	1667.5535	Jul-05	F	32.104	25.000	25.000	25.000	EMP: EC for 25 Mty exists since Oct'04. EC for 35 Mty obtained 03-06-2009. Balance Land: Tenancy land (495 ha): Notified u/s -(11) of CBA Act. Assessment of compensation is in progress. Govt Land (44 ha): Notified u/s-(11) of CBA Act. R&R: Socio-economic survey completed. R&R scheme is under preparation for rehabilitation of 500 PAPs.
			Mar-10						
			Mar-10	POWER PLANT			25.000		
SECL 37 DIPKA EXPN (20-25 MTY)	OC 25.000	1943.6610	Oct-09	F	22.810	20.000	20.000	19.500	EMP: EC for 25 Mty obtained. Land: 299.96 Ha Non forest land being processed for acquisition.
				POWER PLANT			19.500		

MCL38BHUBANESWARI OCP	OC	20.000	490.1000	Dec-07	1.846	8.000	8.000	<p>EMP: EC for 10 Mty exists since 2003. TOR for 20 Mty received. PH held on 10.02.09. Final EMP is under preparation. Forest Land: Stage-II for 112.52 Ha obtained on 16-12-04 (first 25 years). Tree enumeration on 86.866 Ha completed. Out of this 42.86 Ha handed over and 34.098 Ha occupied. Villagers intermittently stops tree felling for R&R. Other Land: Rs. 2.77 Crs deposited with Govt. of Orissa for getting possession of 145.69 Ha Govt land. Compensation payment for 188.70 Ha of village Jilinda and 74.22 Ha of village Hensmul completed and that of village Naraharipur started and an amount of Rs 4.26 Crs. paid till date. List of eligible PAFs under preparation. No of PAPs are 1012. 824 employments has been given. Resettlement site: Rehabilitation Site at Baghmara & Gurjang resettlement sites earmarked. 200 plots allotted at Gurjang site and 11 cash compensation in lieu of plot paid. Jarda Villagers have objections to go to Gurjang site.</p>
				Mar-14	BASKET	4.000		

MCL 39 KANIHA OCP	OC 10.000	457.7700	Dec-07	0.000	1.000	2.710	<p>EMP: EC obtained on 31.10.2007. Forest Land: For Stage-I of 155.18 ha land, mining plan duly signed by Advisor (Project) MoC submitted to CCF (N), Bhubaneswar on 30.07.08 and was returned on 01.09.08 for compliance of 10 points. Compliance submitted on 01.07.09 and forwarded to DFO for site inspection. Tree enumeration and erection of boundary pillar is in progress. Other Land: 976.93 Ha non forest land in process of being acquired. R&R : As per PR is 1715 . Out of 200 plots available at Gurjang site PAFs of Jamania and Adaitaprasad may be accommodated. Rehabilitation site measuring 130 Ac. Has been identified at Hanumanpur and Baudabeda. Acquisition is under process.</p>
			Mar-12		1.000		
			Mar-12				
MCL 40 GOPALPRASAD	OC 15.000	395.8700	Feb-08	F	0.000	0.000	<p>EMP: TOR received 31.12.08. Draft EMP prepared. PH held on 18-12-09. Forest Land: Stage-I for 86.51 Ha: Mine Plan has been sent to MoC for approval in the name of JV Company. MoC has enquired about the deposition of exploration cost by JV Company. On 17.12.2009, the PCCF, Bhubaneswar forwarded to DFO for field inspection report and verification of records. Other Land: Notified u/s -11 (1) of CBA Act for</p>
			Mar-13				

Mar-13	BASKET	0.000	947.13 ha on 25.09.07. For balance 409.87 ha notification u/s - 4(1) was sent to MoC. MoC objected for acquisition of land by JV Company under CBA Act. Justification sent to MOC that MCL has 60% shares in JV Company. Presently the issue is at Law Ministry, New Delhi. If the issue is not resolved, the project opening date will be delayed. Govt. Land: Land will be acquired after clarification from MoC under CBA Act. Tenancy Land: The part, which was notified under CBA Act, has been acquired and structure measurement is going on. R&R : Assessment of PAFs is under progress. Assessment of trees and other interests over tenancy land completed. Presently structural measurements are under progress.
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MCL 41 BALARAM EXTN.	OC 8.000	172.0800	Dec-07	F/G	3.500	0.000	0.000	EMP: Revised Form-I is being prepared by CMPDIL. Forest Land: Application submitted to CCF(N) in Dec'08, was returned on 30.01.09 for re-submission of total land schedule of Kalamchhuin village. Mining plan has been approved on 28.08.2009 and it was submitted to CCF(N) ,Bhubaneswar. Govt. Land: Money deposited to State Govt. and land will be handed over soon. Tenancy land: Rs 70 Crs paid as compensation to the tenants of village Kalamchhuin. Land is being handed over after offer of employment in phases.
			Mar-10					
			Mar-10	BASKET				

MCL42 LAKHANPUR EXPN. PH-II(15)	OC 5.000	116.5400	Sep-08	F	0.000	3.000	5.000	<p>EMP: EC for 15 Mty exists since 12.05.08. EMP for 20 Mty is under preparation. Forest Land: Application for 84.399 Ha (Ph-I) was sent to the Secy (MoEF),Govt. of Orissa on 03.06.2009 and was returned to CCF(N) for getting NOC from Collector under "The ST & OTFD Act 2006". Applied for NOC. Land schedule is under preparation for 95.40ha (Ph-II). Govt. Land: Notification issued under CBA act before 1989 and it is deemed that all the notified Govt. land is under the possession of MCL. Tenancy Land: Entire land acquired under CBA Act. R&R: 1039 PAFs are to be rehabilitated. Compensation payment is under progress. As per assessment more than 50% of PAFs opting compensation in lieu of plots. Resettlement site of 38.05 ha at Ganesnagar readily available for resettling the PAFs of Khairkuni.</p>
			Mar-11					
			Mar-11	1b TPS OF OPGC		3.000		

MCL 43 ANANTA EXTN. (15 MTY)	OC	3.000	207.2800	Aug-08	F	0.000	0.000	0.000	0.000	<p>EMP: TOR received in Nov'08. Draft EMP is under preparation. Forest Land: Notified u/s 4(1) of CBA Act on 16.09.09. Application for 114.46 Ha is under preparation. Other Land: Notification u/s 4(1) of CBA (A&D) act for 40.81 Ha issued on 16.09.2009. Govt Land: Will be acquired after notification u/s-11(1). Tenancy Land: 344.89 Ha tenancy land will be acquired after notification u/s-11. R&R : (2750 PAPs) Will be considered after Socio economic survey, which is under progress.</p>
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MCL 44 HINGULA EXTN.(15 MTY)	OC	7.000	479.5300	Nov-08		0.000	2.700	0.000	0.000	<p>EMP: TOR for 15 Mty received on 11.07.2008. Draft EMP prepared and PH held on 10.09.09. Final EMP is under preparation. Land Acquisition: Proposal for notification u/s-4(1) of CBA act sent to MOC vide letter dated 12.09.2009. Land Acquisition: Proposal for notification u/s-4(1) of CBA act sent to MOC vide letter dated 12.09.2009. R&R: 1122 PAPs to be rehabilitated.</p>
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MCL 45 TALABIRA	OC 20.000	447.7200	Mar-08	0.000	0.000	0.000	0.000	<p>EMP: TOR received on 23.05.07. Draft EMP is under preparation incorporating Hydrological study at RI-VII, CMPDIL. Forest Land: Stage-I forestry clearance proposal for 729.15 Ha in phase-I submitted to CCF (N), Bhubaneswar on 22.01.09, was returned for complying 12 points. Land schedule signed by the Tasildar, Rengali & Jarsuguda taluk forwarded to Dy Director of Mines, Govt.of Orissa. It is under persuasion to submit the compliance report. In the mean time to outsource the job of forest diversion tender called and subsequently was cancelled. Re-tendering is being done. Other Land: 1196.85 Ha of Non forest land is being acquired in phases. R&R: M/s ARDCoS (Agricultural Resource Development consultancy Society) have completed socio-economic study of about 500 PAFs. Study is under progress. The work will be completed after land acquisition notification u/s 11(1) of Talabira Block-II. Delay in notification of Talabira block-II may delay the Project schedule.</p>
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MCL 46 BHARATPUR PH-III	OC	9.000	131.3900	Feb-07	F	0.945	2.000	4.000	<p>EMP: EC obtained in Oct'08. Forest Land: Application for stage-I clearance of 134.41 Ha (including land for original project) forwarded to CCF(N), Bhubaneswar was returned for approved mining plan. Mining plan has been approved by MOC and submitted to DFO, Angul in May'08. Application again returned by CF for compliance of DFO's "Site Visit report". Application including site inspection report was forwarded to PCCF, Govt. of Orissa. On 14.11.09 the proposal sent back to CCF(N) for getting NOC from Collectore under "The ST & OTFD Act 2006. Govt. Land: Application initiated for notification u/s-11 of CBA Act. Tenancy land: Compensation and balance employment will be considered after notification u/s-11(1). Employment already covered to the extent of 90% as the original village already acquired. R&R: 651 PAFs from 6 villages are to be rehabilitated. Compensation payment of village Padmabatipur and Rakas completed. 598 employment & 10 cash compensation granted to the PAFs. Resettlement Site: Rs.4 Crs paid to Collector for award of 73.38 Acre of Govt. land at Boulpur village for resettlement of PAFs of Padmabatipur and Rakas.</p>
				Mar-10					
				Mar-10	CPP/BASKET			2.000	

MCL 47 KULDA	OC 10,000 302,9600 Jan-05	2.468 3,000 5,000	<p>EMP: EC obtained on 24-12-02. Forest Land: Stage-II clearance for 227.89 Ha for 20 yrs obtained on 08.08.07. Tree enumeration completed for 10 Ha in 1st phase. Transportation of felled tree going on. Govt. NF: Entire land is already under possession. Tenancy Land: Entire land vested with company u/s 11(1) of CBA Act. Compensation payment of 156.20 Ha of land for Bankibahal & Balinga villages has already been made. 324.68 Ha of land is under possession. 129 nos of employments for village Balinga and 63 employments for village Bankibahal have been provided. R&R: 192 nos of employment and 3 cash compensation have been approved. 14 cases under process of approval. Rehabilitation site at Barpali is under preparation. 106 nos of plots developed and rest under process. 66 plots have been allotted to the PAFs of Bankibahal. Out of it 09 houses are under construction at resettlement site.</p>
			<p>Mar-10</p> <p>Mar-10 3,000</p>

DETAILS OF ON-GOING PROJECTS COSTING RS.100 CRORES & ABOVE IN SINGARENI COLLIERIES COMPANY LIMITED (SCCL)

Sl No	Name of the Project/ Company	Capacity (Mty)	Total capital outlay	Net Sanctioned Cost (Rs.Crs)	Date of sanction Schedule of completion Anticipated Completion	Grade of coal Linkage	Actual Production 2008-09 (MT)	Target as per FR 2009-10 (MT)	BE/RE 2009-10 (MT)	Actual Upto Dec.09 (2009-10) (Prod.) (MT)	BE 2009-10 (Rs.Crs)	Expenditure till Dec. 2009 (Rs.Crs) (Provl.)	Status as on 31.12.2009
1	Adriayala Shaft - UG, Project, RCE, SCCL	2.81	846.06	779.26	24.12.09 2012-13 2012-13	E,D,C Basket Linkage	0.019	0.115	-Nil-	0.040	70.00	18.649	The project is on schedule. For Procurement of Longwall equipment, order placed on 18.12.2009 and expected by June 2011. Sinking of return air shaft progress is 298.00 mtrs out of 468 mtrs.

2	Shantikhan i Longwall -UG, Project, SCCL	1.167	306.39	249.03	09.10.06 2011-12 2011-12	F,D Basket Linkage	0.003	0.333	0.1	0.003	40.00	31.428	For procurement of Longwall equipment, Negotiations are in progress with firm. Sinking of air shaft progress is 41.7 mtrs. out of 390 mtrs.
3	Jallaram Shaft UG, Project, SCCL	2.285	512.87	467.780	14.09.07 2012-13 2012-13	B,D,E, Basket Linkage	-Nil-	0.3	-Nil-	-Nil-	25.00	11.294	It was decided to initially use refurbished old equipment for 3 to 4 years and then procure new equipment. Enquiry floated for refurbishment of old equipment and will be opened on 15.1.2010

4	Kakatiya Longwall UG, Project, SCCL	2.747	620.03	453.63	15.12.08 2012-13 2012-13	B,E,F Basket Linkage	0.149	0.16	0.25	0.146	24.00	42.481	It was decided to induct longwall on Technology provider cum operator (TPO) concept. RFQ finalized. Submission of RFP (Techno Commercial Proposal & Price Proposal) by qualified bidders is closing on 16.3.2010. Sinking of air shaft progress is 48.7 mtrs. out of 220 mtrs.
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NEW/ONGOING PROJECTS COST Rs. 100 CRORES AND ABOVE IN NEYVELI LIGNITE CORPORATION (NLC)

Rs. in Crores										
SL No.	Name of the Project	Capacity	Sanctioned Cost (Rs. Crs.)	Month & year of sanction	Grade of coal linkage	BE 2009-10	Expenditure up to March 2009**	Expenditure Apr-Dec. 2009	BE 2010-11	Status of the project as on 31-12-2009
1	Mine II Expansion	4.5 MTPA	2161.28	18.10.2004	<u>Lignite:</u> TPS II Expansion	320.00	,510.54	205.22	224.11	All major erection activities completed. New overburden system commissioned in March 2008. Mine development activities are in progress. Completion of the project by attaining full production anticipated in February 2010.
2	TPS II Expansion	2 x 250 MW	2030.78	18.10.2004	<u>Power:</u> Mine II Expansion	389.00	1,662.47	210.61	327.63	Erection works are in progress. In CW system major equipment system completed. In FWPH NSHS erection of mechanical and electrical and pre-commissioning works are in progress. In DM and water treatment plant mechanical erection completed. Unit I and Unit II are expected to be commissioned in December 2010 and June 2011 respectively.

3	Mine at Rajasthan	2.1 MTPA	254.07	15.12.2004	<u>Lignite:</u> TPS II at Rajasthan	50.00	193.88	53.21	37.73	Lignite production commenced in Nov' 2009 and attained full capacity level on 31/01/2010.
4	TPS at Rajasthan	2 x 125 MW	<u>1114.18</u> 1626.09	15.12.2004	<u>Power:</u> Mine at Rajasthan	216.85	1,156.96	190.70	147.16	Unit 1- (125 MV) synchronized in October 2009. Project is anticipated for commercial operation of Unit I in March 2010 and Unit II in June 2010.
5	TPS at Tuticorin	2 x 500 MW	4909.54	12.5.2008	<u>Power:</u>	730.00	230.70	271.93	826.13	LOA for steam generator and turbo generator, coal handling system, power transformer, circulating water system issued. LOA for chimney and for 400 KV and 220 KV switch yard issued. Civil works started in January 2010.

** - SINCE INCEPTION