

CHAPTER – IV

REVIEW OF PAST PERFORMANCE

4.1 Sector – wise Coal Demand as assessed by Planning Commission:-

(In million Tones)

	Xth Plan	XI Plan				
Sector	(2006-07) Actual	2007-08 Actual	2008-09 <u>BE</u>	2008-09 <u>RE</u>	2009-10	2011-12 (Proj.)
<i>I) Coking Coal</i>						
Steel/Coke Ovens & Cokeries	17.30	17.99	26.20	26.20	20.29	27.65
Steel (Import)	17.88	22.03	17.80	17.80		40.85
Sub-Total Coking	35.17	40.01	44.00	44.00	20.29	68.50
<i>II) Non-Coking Coal</i>						
Power Utilites(Gen.Req.)	307.84 (1.54)*	332.09 (1.35)*	373.00	373.00	397.54	483.00
Captive Power	28.13 (1.64)*	31.58 (1.55)*	38.00	38.00	57.66	57.06
Cement	19.74	19.32	25.00	25.00	25.59	31.90
Steel DR	17.47	20.92	18.00	18.00	44.33	28.96
BRK & others	55.52	60.293	52.00	52.00	58.93	61.58
Sub-Total Non-Coking	428.70 (3.18)*	464.20 (3.18)*	506.00	506.00	584.04	662.50
Grand Total (I+II):	463.87 (3.18)*	504.21 (3.18)*	550.00	550.00	604.33	731.00

* Middlings.

4.2 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 70 million tones at the time of nationalization of coal mines in the early seventies to about 457.00 million tones (All India) by 2007-08. Coal production in the year 2008-09 is 493.275 Million tones (Provisional).

4.3 All India Coal Production:

(Fig. In Million Tonnes)

COMPANY	2006-07 Actual	2007-08 Actual	2008-09			2009-10 BE
			B.E	RE	Actual up to March 2009 (Prov)	
CIL	360.91	379.46	405.00	405.00	403.73	435.00
SCCL	37.71	40.60	41.50	42.56	44.54	44.50
Others	31.88	36.94	50.79	44.28	45.005	52.83
Total	430.50	457.00	497.29	491.84	493.275*	532.33

4.4 With a view to meet the increased demand of coal, new coal mining projects and welfare activities are proposed to be taken up.

LIGNITE

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

Item	2007-08 (Actual)	2008-09 (Actual)	2008-09 (BE)	2008-09 (RE)	2009-10 (BE)
1. Lignite (LT)	215.46	213.10	211.40	206.40	217.50
2. Power (MU)	17456.58	15765.56	16299.00	15121.00	16600

Review of the Plan Schemes

Research & Development Projects

4.6 The Government of India through its Coal Science & Technology (S&T) Plan and Coal India Limited through its R&D Board have launched R&D activities for improvement in production, productivity and safety in coal mines, coal beneficiation and utilisation and protection of environment and ecology. Substantial 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.

4.7 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.

4.8 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.

The role and functioning of CMPDI as the nodal agency are:

- Identification of 'Thrust Areas' for research activities in Coal and Lignite sector
- Processing of research proposals for approval
- Preparation of detailed agenda for various technical committees
- Co-ordinating and monitoring of implementation of the projects
- Disbursement of fund to various implementing agencies on the basis of physical progress in the projects
- Preparation of Annual Budgets
- Arrangement of fund from Ministry of Coal and CIL
- Preparation of monthly / quarterly / half yearly performance reports
- Site visits for providing necessary guidance in executing projects in line with approved objectives
- Evaluation of completed research projects and dissemination of research findings
- Publication of annual reports
- Apart from above work, replies to various queries on research findings and other financial matters related to fund utilisation by the MoC, CIL and Parliament / Energy Committees.

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

(Rs. in crore)

PLAN YEAR	X					XI	
	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Spill over projects from previous year	42	42	49	47	45	36	34
Projects sanctioned during the year	10	18	08	09	02	09	05
Projects on-going during the year	52	60	57	56	47	45	39
Projects completed during the year	10	10	10	11	10	10	10
Projects terminated/foreclosed during the year	Nil	01	Nil	Nil	01	01	01
On-going projects as on 01.04.2009	-	-	-	-	-	-	28

Regional Exploration

4.10 PROMOTIONAL (REGIONAL) EXPLORATION IN COAL & LIGNITE

GSI, MECL and CMPDI are continuing Promotional Exploration in XI plan also under the MoC's plan scheme of Promotional Exploration for Coal & Lignite. The summary of Promotional Drilling carried out in Coal & Lignite sectors in 2007-08 and programme for 2008-09 & 2009-10 are given below:

(Drilling In metre)

Command Area	2007-08 Actual	2008-09 BE	2008-09 RE*	2009-10 BE
Physical:				
1. Drilling in C.I.L. Command Area	53028	38000	61000	66000
2. Drilling in S.C.C.L. Command Area	17154	10000	18000	15000
3. Drilling in Lignite Areas	45350	36000	71000	77100
TOTAL	115532	84000	150000	158100

* Revised as lesser allocation of budget by Govt. in 2008-09 BE has been restored by CIL by allocation of additional fund.

Note: 1) In the year 2008-09, a total of 1,26,813m of promotional drilling has been carried out. Out of it, 49,666m has been drilled in CIL command area, 14,731m in SCCL command area and 62,416m in lignite areas. A total of 11 Geological Reports (coal-9, lignite-2) have also been submitted during the year.

2) Under ICRIS project, map data capture of 623 maps has been finalised. Processing of data for creation of Geological models is progressing and 13 models have been created.

3) Under ILRIS project, procurement of GRs from GSI/CGM, Gujarat is under process. Data capture agency has been changed to facilitate entry of data from remaining GRs. Geological model of Bahur field prepared. The details for 2008-09 are yet to be received from NLC.

4) CMPDI and GSI have collected samples from 13 boreholes for CBM studies and analysis of samples is under progress. Three CBM reports have been submitted during the period.

DETAILED EXPLORATION IN NON-CIL BLOCKS

4.11 CMPDI is continuing the Detailed Exploration in CIL & Non-CIL blocks and minor amount of Promotional (regional) Exploration as per the programme. The exploratory drilling in Non-CIL/Captive Mining blocks is taken up under the MoC's plan scheme of Detailed Drilling in Non-CIL Blocks.

4.12 The details of actual drilling in Non-CIL/Captive Mining Blocks in 2007-08 and programme for 2008-09 & 2009-10 are given below:

(Drilling In metre)

Agency	2007-08 Actual	2008-09 BE (revised)*	2008-09 RE	2009-10 BE
Physical:				
1) CMPDI Departmental	45151	49000	49000	57600
2) Outsourcing	-	58500	17200	59400
TOTAL	45151	107500	66200	117000

- * Targets revised at RE stage due to lesser allocation of budget by Govt. in 2008-09 RE, time taken in tender processes to outsource the work and non-availability of clearance to explore in forest areas where work have been awarded after tendering.

Note: In the year 2008-09, a total of 74,330m of detailed drilling has been carried out in Non-CIL/Captive Mining blocks falling in CIL Command Area. Out of it, 59,936m has been drilled by CMPDI (departmentally) and 14,394m has been drilled through outsourcing. Two Geological Reports on Non-CIL blocks have been submitted during the year.

ENVIRONMENTAL MEASURES AND SUBSIDENCE CONTROL

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

4.14 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.

4.15 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.

4.16 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.

4.17 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 have been accepted by the Government. Accordingly, Master Plans for rehabilitation of unstable and fire affected areas have been drawn up for Jharia and Raniganj Coalfields. In the first stage, two schemes, one each in BCCL and ECL command areas with estimated cost of Rs. 33.88 crores and Rs. 32.52 crores respectively have been sanctioned.

4.18 The status of the schemes under implementation by ECL and BCCL are as follows:-

Status of the scheme EMSC-25 “Stabilisation of four unstable localities in ECL”

In respect of Samdih village (Salanpur area), Kenda village (Kenda area), Bengal Para (Pandaveswar area) and Harispur village (Kajora area) village committees have been constituted. Videography of the affected sites was done as well as photographs of the heads of the households were taken. Demography survey, land record verification and assessment of valuation of dwellings were completed. Identity card of the head of the family is ready for issue. Proposed rehabilitation site has been selected. In respect of Bengal Para (Pandaveswar area) proposed rehabilitation site selection is in process.

Status of the scheme EMSC-24 “Scheme for shifting of people from the most endangered areas of BCCL”

This scheme envisages 4600 houses (1500 for BCCL employees and 3100 for non-BCCL persons). Construction of 344 houses for BCCL families has been completed out of which 204 families have been shifted. For construction of houses for 1156 BCCL families, finalisation of tender is awaited. For construction of 3100 non-BCCL houses, a committee was constituted vide order No.BM/17/96/980/M dated 2.3.98 by the Govt. of Bihar to deal with the matter of construction of 3100 houses for non-BCCL families. This committee was headed by Commissioner, North Chhotanagpur Division of Jharkhand State. During the detailed deliberations of the above committee on the subject of rehabilitation of non-BCCL personnel from the endangered areas, it was found that there were several inherent shortcomings on the basic features of the conventional **Indira Awas Yojna** type houses. The philosophy behind such conventional type of units has been construction of housing units primarily for rural people whereas in the present situation rehabilitation relates to the urbanised section of people, even though economically they are very poor. As a result of this, it was felt that this type of houses may not be liked by the people and they would be reluctant to shift in such houses at a place which is away from their existing habitat. Therefore the committee suggested to provide **Visthapit Awaas** with better facilities meeting basic requirements. Hence the scheme was revised. The original scheme was revised to a capital cost of Rs. 61.09 crores in Feb, 2003. A fund of Rs.2219.79 lakhs has been released to State Govt. for construction of Non-BCCL houses. Jharia Rehabilitation and Development Authority (JRDA) is doing the work of construction of 3100 houses at Belgoria Mauza. Construction of 900 houses is in advanced stage of completion by HSCL. Construction of balance 2200 houses is also in progress by NBCC at Belgoria Mauza.

Demographic Survey of Non-BCCL houses is to be conducted by Jharkhand State Govt. For this purpose, Rs.5.40 lakhs has been released to the State Government by BCCL. Demographic Survey of BCCL houses is to be conducted by CMPDI.

4.19 In the older coalfields like the Raniganj, Jharia, Bokaro and Karanpura, mined out areas, both due to underground mines and opencast mines were left unreclaimed especially during the pre-nationalisation period. To reclaim these degraded areas, reclamation schemes have been prepared in the command areas of ECL, BCCL and CCL. Two schemes in BCCL, one each in ECL and CCL have been completed. Completion report is awaited.

4.20 The actual disbursement since inception of the EMSC Schemes (including four RCFS schemes sanctioned in 2001-02) till 31.03.2009 is Rs. 129.67 crores.

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

4.21 These schemes are 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.

4.22 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

4.23 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.

4.24 The projects 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 details costing Rs. 100 crore and above are given in the format at **Annexure –IV (A)**.

ANNEXURE-IV (A)

**DETAILS OF ON-GOING / NEW PROJECTS COSTING RS. 100 CRORES & ABOVE
IN COAL INDIA LIMITED (CIL)**

SL NO.	NAME OF PROJECT & COMPANY	TYPE	SANCD. CAPACITY (MTY)	SANCD. CAPITAL (Rs.Crs.)	DATE OF SANC. SCH. OF COMPLN.	GRADE OF COAL LINKAGE	ACTUAL PRODN. 2007-08 (MTE)	BE 2008-09 (MTE)	ACTUAL PRODN. 2008-09 (MTE)	BE 2009-10 (MTE)	STATUS AS ON 31.03.2009
1	NARAIKURI	UG	0.540	149.0600	Feb-09	C (LF)	--	--	--	--	Land- 10.4 Ha to be acquired.
	ECL				Mar-15						EMP-Draft EMP is under preparation
					Mar-15	POWER					R&R-No. of PAPs to be assessed.
2	JHANJRA 2ND CM	UG	0.510	122.3500	Feb-09	C & D	--	--	--	--	Land- Addl. 259.46 Ha to be acquired.
	ECL					NTPC, TNEB, Kolaghat etc					EMP-Approved for 0.90 MTY .
					Mar-11						R&R-No. of PAPs to be assessed.
					Mar-11						NIT for global tender for Continuous Miner floated on 02-03-09.
3	SARPI(RCE) AUG.	UG	0.760	147.8600	Jun-08	B	0.1690	0.3000	0.2250	0.3200	Land- Additional 91.25 Ha to be acquired.
	ECL										EMP-Fresh EMP required.
					Mar-11	POWER, CEMENT					R&R-Employment of 113 persons is to be given for acquisition of above land.

4	JHANJRA PSLW(R-VI)	UG	1.700	287.1700	Nov-06	B	0.0000	0.7000		0.0000	Land- 906.29 Ha in possession.
	ECL										EMP-Approved for 3.50 MTY.
					Mar-10	NTPC					R&R-No. of PAPs to be assessed.
					Mar-11						Modified NIT for global tender for PSLW equipment floated on 30.01.09.
5	CHITRA EAST	OC	2.500	112.6900	Aug-07	D	0.0000	0.3000		1.2500	Req. of Balance Land :Forest : 142.10 Ha, Govt : 118.20 Ha, Tenancy : 311.00 Ha.
	ECL										EMP-PH held on 17.03.09, proceedings awaited.
					Mar-12	NTPC-FARKA					R&R-Negotiation for shifting in villages Khoon & Chitra is in progress.
					Mar-12	& KAHALGN.					NIT for Integrated Washery, will be finalised after receipt of soil investigation report.
6	PURNADIH	OC	3.000	210.9800	Jul-08	E	0.0000	0.0000		0.0000	Forest Land (111.89 Ha):Forestry clearance to be applied shortly.
	CCL										EMP:EC received on 19-05-2009.
					Mar-12	POWER					
					Mar-12	(CAPTIVE)					R&R:No. of PAPs as per PR being assessed

7	PAREJ EAST	UG	0.510	128.8900	May-08	Washery I to IV	0.0000	0.0000		0.0000	Req. of Balance Land(189.28 Ha:12.46 Ha Tenancy & 30.80 Ha GMK & 146.02 Ha is forest land.Land schedule is being prepared.
	CCL										
					Mar-12	Washery					EMP-Form-I to be submitted shortly.
					Mar-12						R&R Not Required.
8	MAGADH EXPN.	OC	20.000	706.4000	Aug-08	F	0.0000	0.0000			Forest land:Stage-II clearance for 96.72 ha (for initial 8 years)required.
	CCL										Non-forest land: 1436 Ha (626 Ha for 10 years)
					Mar-13	Tandawa TPS/Basket					EMP: clearance for 20 MTY obtained vide letter dt. 27-10-2008.
					Mar-13						R&R:Tenants not accepting the payment , demanding compensation and employment beyond R&R policy of CIL.
9	ASHOK EXPN.(10 MTY)	OC	10.000	341.6300	Dec-07	E	6.3028	9.5000	7.1000	9.0000	Acquisition of balance 75.11 Ha forest & 252.89 Ha Tenancy land in process.
	CCL										
					Mar-11	POWER					EMP clearance for 10 MTY received.
					Mar-11	(CAPTIVE)					R&R:12 hutments shifted out of 14 hutments planned.

10	TAPIN	OC	2.500	264.6800	Aug-08	W-111	0.7200	0.5000	0.5800	0.7500	Stage-II Clearance for 213.52 Ha required.
	CCL										Authentication for 7.46 Ha GMK Land pending with State Govt.
					Mar-12	ST					Final EMP will be submitted shortly.
					Mar-12						R&R: Not required.
11	ROHINI EXPN.	OC	2.000	105.6700	Sep-08	E	1.0900	0.7000	0.7000	0.3000	Application for release of balance Forest Land 74.81 Ha forwarded by CF to RCCF on 19.03.09.
	CCL										Proposal for Compensation Payment 103.76 Ha Non-forest land is under competent approval.
					Mar-11	POWER					EMP to be submitted shortly.
					Mar-11	(CAPTIVE)					R&R:126 PAFs required to be resettled for first five years.
12	NORTH URIMARI	OC	3.000	179.8700	Dec-07	C	0.4860	0.8000	0.3500	0.5000	Forest land :Stage-II clearance for 226.51 Ha required.
	CCL										Non Forest(295.16 Ha): Compensation is being paid.
					Mar-11	BRO.					EMP: Approved in Feb-06.
					Mar-11						R&R:245 PAPs involved. Total rehabilitation for first 5 years is 126.

13	CHURI-BENTI CM	UG	0.810	165.5100	Aug-07	B(LF)	0.1213	0.1300	0.0800	0.1400	Stage-II clearance for 312.75 Ha required.
	CCL										
					Mar-11						Non Forest(274.52 Ha):Assessment of PAFs, to be resettled & rehabilitated is in process
					Mar-11						EMP:Draft EMP is expected to be prepared shortly.
14	URIMARI	OC	2.000	143.5700	Jan-09	D	2.3300	2.0000	2.4400	2.2500	For additional 53.06 Ha forest land, application for Stage-I clearance submitted on 10.11.08.
	CCL										
					Mar-11	POWER					TOR finalized. EC to be expedited.
					Mar-11	(CAPTIVE)					
15	DUDHICHUA EXPN.(15)	OC	5.000	326.7500	Jul-08	E	0.0000	2.0000		12.7500	Forest Land: 443 Ha. is required for incremental 5 Mtpa.
	NCL										Non-Forest Land: 58 Ha. is required for incremental 5 Mtpa .
					Mar-13	BUSKET					Rehabilitation: About 122 families to be rehabilitated.
					Mar-13						Final EMP for a capacity of 15 Mty (peak capacity18 Mtpa) is under preparation by CMPDI.
											EC for the existing Dudhichua OCP from 12.5 to 15.5 Mtpa approved.

16	NIGAHI EXPN.PH-II	OC	15.000	2105.8900	Oct-07	C,D,E	11.3100	11.5000	11.6600	13.0000	No additional land is required for Expansion PR (15 MTY).
	NCL										EMP (15 Mty) approved.
					Mar-12	VINDHYACHAL					R&R:625 PAPs out of 1178 have been shifted.
					Mar-12	SUPER TPS					
17	KRISHNASILA	OC	4.000	789.8800	May-06	D-E	0.0600	2.0000	1.0800	3.0000	The mode of dispatch (Rail / Silo / MGR) for main CHP is yet to be decided along with firm linkage.
	NCL										EMP cleared on 02-02-2006.
					Mar-10	RENUSAGAR TPS					
					Mar-10						Rehabilitation completed.
18	AMLOHRI EXPN	OC	10.000	1896.9600	May-06	D-G	4.7000	5.0000	5.2800	5.5000	EMP cleared on 16-02-2006.
	NCL										Balance 65 PAPs to be shifted.
					Mar-14	RIHAND SUPER TPS					Tender for 24/88 mR Draglines to be finalized.
					Mar-14						Award of construction of CHP to be finalized.
19	BLOCK-B	OC	3.500	746.0400	Jul-06	C-F	2.1500	2.3000	3.4300	3.0000	Non Forest Land (137 ha) to be acquired.
	NCL										
					Mar-12	SURATGARH TPS					Difficulties in land acquisition due to demand of employment beyond the approved norms under R&R policy.
					Mar-12	& BASKET					

20	BINA EXTN.OC	OC	6.000	168.9700	Nov-06	E	4.8900	4.7000	5.4400	5.5000	
	NCL										Physical possession of forest land & EMP for higher capacity required.
					Mar-14	MISC.					
					Mar-14						
21	PENGANGA	OC	3.000	339.7706	Oct-08	F					Land acquisition difficult because of higher rates of compensation being paid by other agencies like NTPC.
	WCL										
					Mar-14	MISC.					Form-I for EMP submitted on 29.01.09.
					Mar-14						
22	BAROUD EXPN.	OC	3.000	135.5800	Jul-08	F	1.3770	1.4000	1.5564	2.5000	Balance Forest Land (236.53 Ha)& Non-Forest Land (511.29 Ha.)to be acquired.
	(RAY WEST)										
	SECL				Mar-12	POWER PLANT					Environmental clearance for 3.0 Mty required.
					Mar-12	& MISC.					

23	KUSMUNDA EXPN.-II	OC	15.000	1188.2100	Jun-08	F	8.7131	10.5000	10.5576	9.0000	Forest clearance (Regularization case) for 206 Ha of revenue forest land pending with MoEF, New Delhi.
	SECL										Non-Forest Land: Notification u/s.(4) of CBA Act for 862 Ha is under preparation.
					Mar-13	POWER PLANT					As per 15 Mty PR, 1895 land owners and 1065 families to be shifted. Getting physical possession of land may prove to be a constraint considering resistance by local villagers.
					Mar-13						Environment clearance for 15 MTY pending with MoEF.
24	BATURA OC	OC	2.000	203.8200	Sep-08	C					Req. of Land:Forest:79.31 Ha, Non-Forest: Govt.: 135.81Ha, & Tenancy : 727.75Ha. Proposal for notification for acquisition of 942.87 Ha. Land u/s 4(i) of CBA Act submitted on 3.11.08.
	SECL										
					Mar-14	MISC.					As per PR, 825 land oustees & 1870 PAFs are to be rehabilitated.
					Mar-14						Environment clearance required.

25	JAGANNATHPUR	OC	3.000	152.4300	Sep-08	E						Req. of Land:Forest:87.49 Ha, Non-Forest: Govt.: 46.32Ha, & Tenancy : 545.98Ha. Proposal for notification for acquisition of 679.79 Ha u/s 4(i) of CBA Act submitted in Jan-09.
	(MAHAN-III&IV), SECL				Mar-14	MISC.						As per PR, 1500 land oustees & 390 PAFs are to be rehabilitated.
					Mar-14							Environment clearance required.
26	CHURCHA RE-ORG	UG	1.350	462.3539	Jun-08	B/C(LF)	1.1166	1.1100	1.2147	1.2200		9.60 Ha Forest & 5.50 Ha Non-Forest Land required. Proposal for notification u/s(4) is to be submitted.
	SECL											
					Mar-15	POWER PLANT						Environment clearance for 1.35 Mty required.
					Mar-15							
27	PELMA	OC	10.000	447.8500	Jul-08	F	0.0000	0.0000				Req. of Land:Forest:322.86 Ha,Non-Forest:Govt.: 306.07Ha, & Tenancy :1444.84Ha. Proposal for notification for acquisition of 679.79 Ha u/s 4(i) of CBA Act submitted in Jan-09.
	SECL											
					Mar-12	POWER PLANT						As per PR, 915 land oustees & 1250 PAFs are to be rehabilitated.
					Mar-12							Environment clearance required.

28	KARTALI EAST	OC	2.500	139.7800	Jul-08	C/E	0.0000	0.0000			Req. of Land:Forest:394.32 Ha, Non-Forest:Govt.:32.10Ha, & Tenancy : 304.38Ha. Proposal for notification for acquisition of 679.79 Ha u/s 4(i) of CBA Act submitted in Jan-09.
	SECL				Mar-14	MISC					As per PR, 508 PAPs & 450 PAFs are to be rehabilitated.
					Mar-14						Environment clearance required.
29	DIPKA EXPN (2)	OC	20.000	1268.5331	Jul-05	F	19.4600	18.5000	22.8095	20.0000	Environment clearance for 25 MTY pending with MoEF.
	SECL				Mar-10	POWER PLANT					
					Mar-10						<u>Rehabilitation</u> : As per EPR, 800 land owners and 850 families to be shifted.
30	GEVRA EXPN (2)	OC	25.000	1667.5535	Jul-05	F	15.1086	25.0000	32.1036	25.0000	Additional 134.603 Ha Forest land & 275 Ha Non-Forest Land required.
	SECL				Mar-10	POWER PLANT					R&R: 1920 PAFs & 6158 land owners to be shifted. Resistance by villagers is delaying assessment of compensation.
					Mar-10						Environment clearance for 35 MTY pending with MoEF.
					Mar-10						

31	BHUBANESWARI OCP	OC	20.000	490.1000	Dec-07	E/F	0.1970	1.5000	1.8460	4.0000	Action for getting physical possession of forest land in process.
	MCL										Implementation of action plan for dispatch of 20.00 Mty to be initiated.
					Mar-14	Basket					1012 PAFs of 3 villages to be rehabilitated.
					Mar-14						Environment clearance for 20 MTY required.
32	KANIHA OCP	OC	10.000	457.7700	Dec-07	E/F	0.0000	2.0000		1.0000	Forestry clearance for 155.18 ha required.
	MCL										1715 PAFs are to be rehabilitated
					Mar-12	STPS,Kaniha					There is an agitation for employment of about 41 PAFs coming under not priority category (group-C).
					Mar-12						Access trench will be started after clearing the above employment cases.
33	GOPALPRASAD	OC	15.000	395.8700	Feb-08	F/G	0.0000	0.0000		0.0000	Forestry clearance for 86.51 ha required.
	MCL										1018 PAFs are to be rehabilitated. Final assessment in process.
					Mar-13	Basket/Captive					Environment clearance for 15 MTY required.
					Mar-13						

34	BALARAM EXTN.	OC	8.000	172.0800	Dec-07	F	0.0000	0.0000	0.0000	6.0000	Action for acquisition of additional tenancy land required for the extension project in process.
	MCL					TNEB					As per PR, 2000 families are to be rehabilitated. List of eligible PAPs is under preparation
											Action for obtaining EMP clearance for extension part is in process.
35	LAKHANPUR EXPN.	OC	5.000	116.5400	Sep-08	F		2.0000		13.0000	Forestry clearance for 84.4 Ha forest land required.
	PH-II (15 MTY)										Environment clearance for 15 Mty required.
	MCL				Mar-11	POWER					
					Mar-11						As per PR, 1039 PAFs with 4825 PAPs are to be rehabilitated.
36	ANANTA EXTN. (15 MTY)	OC	3.000	207.2800	Aug-08	F	0.0000	0.0000		13.5000	Req. of Land: (for first 10 years)
	MCL										Forest : 114.46 Ha, Govt. : 40.81 Ha, & Tenancy : 344.89Ha .
					Mar-11						Environment clearance for 15 Mty required.
					Mar-11						As per PR, 630 PAFs with 2750 PAPs are to be rehabilitated.

37	HINGULA EXTN.(15 MTY)	OC	7.000	292.5400	Nov-08			3.0000		10.7000	Req. of Land: (for first 7 years):
	MCL										Forest : 86.59 Ha, Govt.: 77.68 Ha & Tenancy : 310.73Ha
					Mar-13						Environment clearance for 15 MTY required.
					Mar-13						As per PR, 214 PAFs with 1122 PAFs are to be rehabilitated.
38	TALABIRA	OC	20.000	447.7200	Mar-08		0.0000	0.0000			687.62 Ha Forest, 718.11 Tenancy, & 478.74 Govt. Land required.
	MCL										As per PR, 2046 families are to be rehabilitated
					Mar-16						Environment clearance required.
					Mar-16						
39	BHARATPUR PH-III (20MTY)	OC	9.000	131.3900	Feb-07		1.3280	1.0000	0.9450	13.0000	Forestry clearance for balance forest land required.
	MCL										
					Mar-10						Rehabilitation of 365 PAFs in process.
					Mar-10						
40	KULDA	OC	10.000	302.9600	Jan-05		0.1500	2.0000	2.4680	3.0000	Physical possession of 227.89 Ha forest land required.
	MCL										414 PAFs of 2 villages to be rehabilitated.
					Mar-10						Spur line in Kanika Railway-siding and also the construction of Gopalpur-Mohanpur Railway Line needed.
					Mar-10						

ANNEXURE IV(A) contd.

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

SI NO	Name of the Project/ Company	Capacity (Mty)	Sanctioned Cost (Rs.Crs)	Date of sanction Schedule of completion Anticipated Completion	Grade of coal Linkage	Actual Prodn 2008- 09 (MT)	BE/RE 2008-09 (MT)	BE 2008-09 (Prod.) (MT)	Expd. till Mar. 2009 (Rs.Crs)	BE 2008-09 (Rs.Crs)	Status as on 31.3.2009
1	Adriayala Shaft- UG Project, SCCL	2.144	212.340	29.09.06 2012-13 2012-13	E,D,C Basket Linkage	-Nil-	-Nil-	0.41	14.476	74.16	The project is on schedule. Required 30.28 Ha of non-Forest Land is in possession of SCCL . Additional land of 47.30 Ha is to be acquired for diversion of Bokkalavagu and for construction of filter bed, sub- station etc. above the trunk road ways with the new concept of punch entries. Acquisition is under process. Sinking of return air shaft progress is 249.0 m.

2	Shanti-khani Longwall UG, Project, SCCL	1.167	249.03	09.10.06 2011-12 2011-12	F,D Basket Linkage	0.003	-Nil-	0.128	24.646	31.03	The project is on schedule. Total Non-forest land required for this project is 7.04 Ha. Out of this 2.16Ha is already in possession of SCCL. For an extent of 4.88 Ha of forest land , MoEF issued formal approval and GoAP issued G.O. Sinking of intake air shaft work awarded. Drilling of drainage bore hole work completed, Sinking of air shaft progress is 5.5.m.
3	Jallaram Shaft Project, UG, SCCL	2.285	467.780	14.09.07 2012-13 2012-13	B,D,E. Basket Linkage	-Nil-	-Nil-	-Nil-	10.351	35.34	For an extent of 35 Ha of forest land for surface rights and for an extent of 36.23 Ha. of forest land for UG rights required for this Project is a part of 412.4Ha. MoEF issued formal approval and GoAP issued orders.

4	Kakatiya Longwall Project, UG SCCL	2.747	453.63	15.12.08 2012-13 2012-13	B,E,F Basket Linkage	0.149	-Nil-	0.160	29.431	14.57	Aquisition of Private Land and Government land is under various stages of progress. Mining lease is to be obtained after issue of prior approval which is pending with MOC.
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Abbreviations used : UG-Underground , LoI-Letter of intent

DETAILS OF ON-GOING PROJECTS COSTING RS.100 CRORES & 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 2008-09/ RE 2008-09	Expenditure up to March 2008**	Expenditure Apr-Mar. 2009	BE 2009-10	Status of the project as on 31.3.2009
1	Mine II Expansion	4.5 MTPA	2161.28	18.10.2004	<u>Lignite:</u> TPS II Expansion	<u>650.00</u> 380.00	1,189.78	320.76	320.00	Erection of conveyor components are in various stage. Project expected to be commissioned during Feb 2010. Supply of material for all major mining equipments has been completed. Erection of one 700 Ltrs, bucket wheel excavator is in progress. Overburden has been removed against the target 140.22 LM3 against the target of 120.00 LM3 for the period April'08 to March'09.
2	TPS II Expansion	2 x 250 MW	2030.78	18.10.2004	<u>Power:</u> Mine II Expansion	<u>750.00</u> 460.00	1,154.95	507.52	389.00	Erection of boilers, ESP and condenser are in progress. The erection work for 400 KV switch yard and Power transformer is in progress. Also the erection of turbine generator civil foundation works and TG hall structures of Unit-II are in progress. Boiler drum of Unit-I was lifted in May 2008. As the progress of main plant package contractor, M/s BHEL is behind the schedule and is not satisfactory to fulfill the commitment, there is likely delay of about 12 months in commissioning of the unit. Unit I is expected to be commissioned during May 2010 and Unit II in November 2010.

3	Mine at Rajasthan	2.1 MTPA	254.07	15.12.2004	<u>Lignite:</u> TPS II at Rajasthan	<u>78.00</u> <u>60.00</u>	140.67	53.21	50.00	All the works relating to the project are over and as per the approved time schedule. Orders for lignite excavation by outsourcing were issued in January 2009 and full production is expected from October 2009.
4	TPS at Rajasthan	2 x 125 MW	1114.18	15.12.2004	<u>Power:</u> Mine at Rajasthan	<u>645.00</u> <u>500.00</u>	728.66	428.31	216.85	Erection works are in progress in respect of Main Plant Package, Lignite Handling System, DM & Water Treatment Plant, 220 KV switch yard & transformer, RCC chimney and Cooling Tower- I & II. Supply of materials for boiler, structural and turbo generator and the erection work boiler, ESP are in progress. Hydro test for Unit I was completed in August 2008. Project execution is getting delayed due to delay in supply and resulting activities of main plant packages switchyard and power transformer by M/s BHEL. Unit I & II are expected to be commissioned during October 2009 and January 2010 respectively.
5	TPS at Tuticorin	2 x 500 MW	4909.54	12.5.2008	<u>Power:</u>	<u>500.00</u> <u>425.00</u>	8.27	222.42	730.00	Joint Venture Company viz. NTPL formed. Short listing of bidders for Coal Handling System, Switch Gear and Power Transformer package have been completed and tender specification has been issued to the short-listed bidders. LOI for turbo generator and steam generator were issued on 28th January 2009. Unit I & II are expected to be commissioned during March 2012 and Unit II in August 2012.

** - Since inception