

Annexure -1

Statement showing details of sampled projects (As referred to in Para 2.1)

Name of the subsidiary Company	Opencast Projects		Underground Mines		Washeries	
	Total number	Number & name of sample	Total number	Number & name of sample	Total number	Number & name of sample
Bharat Coking Coal Limited (BCCL),	52	2 (Block II, and Ghanoodih)	81	2 (Begunia and Moonidih)	13	1 (Bhojudih)
Central Coalfields limited (CCL),	40	3 (Piperwar,, Urimari and Jarandih)	27	0	7	2 (Piparwar and Kathara)
Eastern Coalfields Limited (ECL),	26	3 (Rajmahal, Sonpur bazari, and Rajpura)	100	2 (Lakhimata and Jhanjra)	0	0
Mahanadi coalfields Limited (MCL),	25	3 (Jaganath, Samalewari and Lajkura)	9	0	0	0
Northern Coalfields Limited (NCL),	11	2 (Nigahi and Amlohri)	0	0	1	0
South Eastern Coalfields Limited (SECL)	25	3 (Gevra, Jamuna and Chhaal)	73	2 (Rajnagar and Bagdewa)	0	0
Western Coalfields Limited (WCL).	52	2 (Umrer and Ghorawari)	44	2 (Satpura-II and Sasti)	1	1 (Nandan)
Total	231	18	334	8	22	4

NB : Total number of open cast project, underground mine and washeries includes operational as well as non operational mines.

Sampling Criteria:

- Open cast mines for each subsidiary were stratified production wise in three categories i.e. less than one MMT, between one MMT to five MMT and above five MMT. Three Open cast mines were selected from each subsidiary from each of these strata wherever applicable. The largest producing Open cast mine of each subsidiary was out rightly selected. Total 18 Open cast mines (one being highest coal producing and others from remaining strata randomly) were selected.
- Two underground mines each in BCCL, ECL, WCL and SECL were selected one being the highest producing and the other randomly.
- The largest producing washery from BCCL, CCL and WCL was selected. Other was selected randomly.

Annexure -2

Audit Criteria

(As referred to in Para 2.3)

- The Mines Act, 1952
- The Mines Rules, 1955
- The Coal Mines Regulation, 1957
- The Coal Mines Pit Head Bath Rules, 1959
- Mines Crèche Rules, 1966-(relates to workers' welfare)
- The Mines Rescue Rules, 1985
- The water (Prevention and Control of Pollution) Act, 1974
- Water (Prevention and Control of Pollution) Cess Act, 1977
- The Forest Conservation Act 1980
- The Air (Prevention and Control of Pollution) Act, 1981
- The Environment (Protection) Act, 1986
- The Hazardous Waste (Management and Handling) Rules 1989
- The EMP Notification 1994.
- Revised EMP notification, 2006.
- Project report of individual mines
- EMP report of individual mines.
- Circulars issued by DGMS, State pollution board etc. in respect of project and companies
- Conditions imposed by MoEF/DGMS in respect of individual projects
- Policy of CIL on Community & Peripheral Development in CIL and its Subsidiaries
- Policy of CIL on Rehabilitation and Resettlement
- National R&R policy 2008
- Mine safety policy of CIL
- Pit safety committee report
- Safety audit report
- Guidelines of CIL on Environment management
- National Dust prevention committee report
- Guidelines for preparation of mine closure plan issued by ministry of coal.
- CSR policy of CIL,
- Corporate Social responsibility voluntary guidelines 2009 issued by ministry of corporate affairs

Annexure -3

Status of land reclamation (As referred to in Para 4.5)

Name of the company	Progressive land to be reclaimed as on 31.03.10 (Ha)	Progressive land to be reclaimed as on 31.03.09 (Ha)	Increase/ Decrease (-) in backlog in reclamation (Ha)
MCL	2129.36	2019.08	110.28
CCL	235.00	2442.38	(-) 2207.38
BCCL	930.76	812.39	118.37
SECL	1367.72	1357.81	9.91
NCL	2687.00	2910.88	(-)223.88
ECL	743.19	738.22	4.97
WCL	4549.97	3507.97	1042
Total	12643.00	13788.73	(-)1145.73

Annexure -4

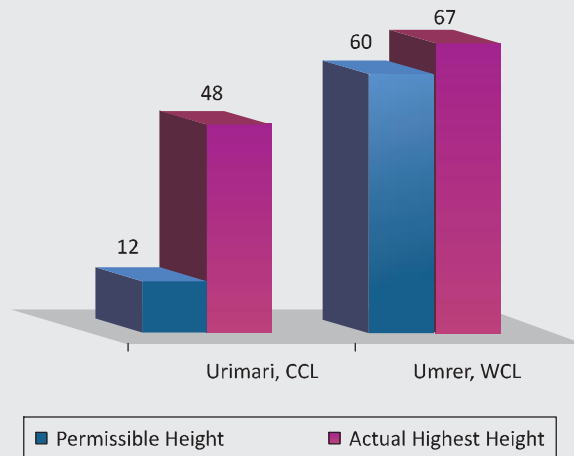
Density of Plantation of sampled open cast mines (As referred to in Para 4.6.2)



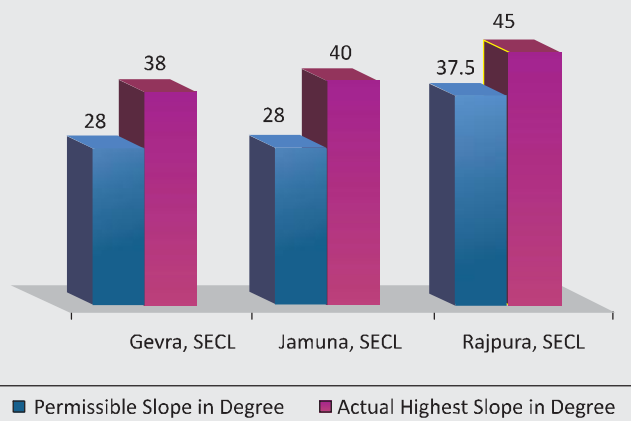
Annexure -5

Safety parameters in respect of overburden dumps - actual vis-à-vis permissible (As referred to in Para 5.4)

Comparison of Permissible Height and Actual Height of Two Sampled OC (in metre)



Comparison Between Permissible Slope and Actual Slope of Three Sampled OC (in degree)



Annexure -6

Table showing actual deployment and shortage of statutory manpower in CIL and its subsidiaries
(As referred to in Para 5.7)

Category	Appointment made during 2009-10	Existing as on 31/03/10	Requirement as On 31/03/10	Excess (+)/Shortage (-)
1 st class manager (Executive)	Nil	1724	1735	(-) 11
2 nd class manager (Executive)	Nil	1834	2596	(-)7 62
Overman (Non-Executive)	189	5249	6124	(-) 875
Mining sardar (Non-Executive)	125	6957	8408	(-) 1451
Surveyor (Non-Executive)	10	928	1042	(-) 114

Annexure -7

Summarised details of master plan (As referred to in Para 5.8)

Sl. NO	Particulars of the different components of Master Plan	Raniganj (ECL)	Jharia (BCCL)
A	Dealing with fire		
1	Total no. of existing fires	7	67 [under 45 fire projects]
2	Estimated Cost [₹ crores]	40.28	2311.50
B	Rehabilitation		
1	No. of sites to be Rehabilitated	139	595
2	Area affected in sq.km	8.62	25.69
3	No. of houses to be vacated/ Rehabilitated		
i]	BCCL [Taking into account superannuation]		44155/25000
ii]	Private [Authorised]		29444
iii]	Encroachers [Un-authorized]		23847
iv]	Others		868
	Total No. of houses	33196	98314/79159
	Population covered	180263	395795
4	Land required for rehabilitation [Hal]	896.29	1504.99
5	Estimated cost [₹ crores]	26.10.10	4780.60
c	Diversion of Railway line/ Road/ OC pipeline	7 sites	Planning and survey with an outlay of Rs.20 crores
	Estimated Cost [₹ Crores]	11.35	20.00
D	Implementing Agency for fire projects & rehabilitation of BCCL/ECL houses	ECL	BCCL
E	Implementing Agency for rehabilitation of Non-BCCL/ECL houses –Private & Encroachers	Asansol Durgapur Development Authority [ADDA] Govt. of WB	Jharia Rehabilitation & Development authority of [JRDA] of Govt. of Jharkhand
F	Implementation Schedule, years	10 [in two phases each of 5 years]	10 [in two Phases each of 5 years +2 years for pre implementation
G	Estimated Capital Requirement for fire projects, rehabilitation & diversion of rail/road/ pipeline etc. [₹ crore]	2661.73	7112.11