

HALF YEARLY COMPLIANCE REPORT

01. NAME OF THE PROJECT : **CAPTIVE POWER PLANT (EXPANSION FROM 45 MW TO 70 MW) M/S. BINANI CEMENT LIMITED (BCL), AT PINDWARA, SIROHI DISTT. RAJASTHAN STATE.**
02. MOEF CLEARANCE LETTER NO. & DATE : **ENVIRONMENT CLEARANCE (EC) NO.J-13012/37/2007-IA.II(T) DATED 07.06.2007 :-**
03. PERIOD OF COMPLIANCE REPORT : **01.04.2009 to 30.09.2009**

COMPLIANCE TO THE STIPULATED CONDITIONS OF EC DATED 07.06.2007

Sr. No.	EC CONDITIONS	Compliance Status
1	No additional land shall be acquired for the project or any facilities relating to the proposed expansion project.	No additional land shall be acquired.
2	A stack of 86 M height with exit velocity of not less than 7.0 m/sec shall be provided with continuous online monitoring system. The data collected shall be analysed and submitted regularly to the Ministry.	Stack with 86 m height with exit velocity above 7.0 m/sec has been provided.
3	High efficiency Electrostatic Precipitators (ESPs) with efficiency of not less than 99.9% shall be installed to limit particulate emission to 50 mg/Nm ³ . The stack shall be fitted with interlocking system to shutdown the plant in the event of non functioning of ESPs.	High efficiency Electrostatic Precipitators (ESPs) has been provided & the same is fitted with inter locking system to shut down the plant in the event of non-functioning of ESPs.
4	Dust extraction and dust suppression system and water sprinkling shall be provided for controlling fugitive dust during transportation, in coal storage area and other vulnerable areas of the plant.	Agreed.
5	Air cooled condensers shall be provided. Existing water cooled condenser shall also be replaced by air cooled condenser by 2008 to bring down the water requirement.	Air Cooled Condenser is provided in the plant. Plans are underway to replace the existing Water Cooled Condenser with Air Cooled Condenser & will be commissioned till July 2010.
6	The treated effluent shall be re-circulated and reused within the plant area. There shall be no waste water discharge outside the plant boundary.	Entire treated effluent is used for plantation & dust suppression & zero discharge is maintained.

7 Rainwater Harvesting shall be practiced. A detailed scheme for rain water harvesting to recharge the groundwater aquifer shall be prepared in consultation with Central Ground Water Authority/ State Ground Water Board and a copy of the same shall be submitted within three months to this Ministry.

Rain Water Harvesting is being practiced since long. A Total of 31 RWH structures including check dams, annicuts, Bundh, rooftop Rain Water Harvesting structures have been constructed in plant, colony, mines & Malap area.

8 Leq of Noise level shall be limited to 75 dBA and regular maintenance of equipments should be undertaken. For people working in high noise areas, personal protective devices should be provided.

Ambient noise level is monitored & maintained <75 dBA. For people working in high noise areas, personal protection equipments (PPE) has been provided. Ambient Noise level measured during Apr'09 to Sept'09 is tabulated below:

Ambient Noise Level Stations	Day Time (dBA)			Night Time (dBA)		
	Max.	Min.	Avg.	Max.	Min.	Avg.
Near Comp. Canteen	68.3	65.2	66.5	66.7	60.9	64.1
Near Power Plant	71.7	69.2	70.57	69.1	67.4	68.3
Near Guest House	52.6	49.6	51.0	49.4	46.3	47.5
Near Truck Parking	65.5	58.4	62.2	61.6	53.6	58.8
Near Railway Gate	62.7	57.3	60.5	60.9	53.8	58.1

Ambient Air Quality Stations	SPM			SOx			NOx		
	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.
Coal Storage (Cement Plant)	336.15	278.58	302.13	6.00	3.00	4.50	7.00	2.00	4.00
Near Comp. Canteen	337.12	260.93	295.72	5.00	3.00	4.00	8.00	6.00	6.67
Near Guest House	111.85	77.46	94.05	5.00	2.00	3.17	5.00	3.00	3.67
Raw Water Reservoir (CPP)	313.74	282.98	296.49	9.00	3.00	5.67	7.00	4.00	5.33
Coal Storage (CPP)	329.46	272.76	299.56	8.00	5.00	6.50	9.00	3.00	6.00

9 Dry ash collection system should be provided. 100% ash utilisation shall be ensured from the day one of the commissioning of the plant.

Dry ash handling system has been provided & 100 % of the generated ash shall be used in cement (PPC) manufacturing.

10 The existing area under greenbelt admeasuring 70 ha shall be maintained.

Agreed.

11	First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First aid and sanitation arrangements provided for the drivers and other contract workers during construction phase.
12	Regular monitoring of the ambient air quality shall be carried out in and around the power plant and records maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with the State Pollution Control Board. Periodic reports shall be submitted to the Regional Office of the Ministry at Lucknow.	Agreed.
13	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, informing that the project has been accorded Environment Clearance and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment & Forests at http://envfor.nic.in .	Public has been informed about grant of EC by advertisement in the Rajasthan Patrika dated 12 th June 2007 and Dainik Bhaskar dated 21 st June 2007.
14	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environment Management Cell has been set up that includes Head (Mines), Head (CPP), Manager (Environment), Chemist, Horticulturist, Environmental Engineer, Sample boys etc.
15	Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to this Ministry, the Regional Office, CPCB/RPCB.	Six monthly compliance reports on the status of implementation of the stipulated conditions and environmental safeguards shall be timely submitted to the Ministry, the Regional Office and the CPCB/SPCB.
16	Regional Office of the Ministry of Environment & Forests located at Lucknow will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.	Agreed.
17	Separate funds shall be allocated for implementation of environmental protection measures along with item-wise breakup. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure shall be reported to the Ministry.	Complied.

18	Full cooperation shall be extended to the Scientists/Officers from the Ministry/Regional Office of the Ministry at Lucknow / the CPCB / the SPCB who would be monitoring the compliance of environmental status.	Agreed.
19	The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.	Noted.
20	The environmental clearance accorded shall be valid for a period of 5 years to start of production operation by the power plant.	Noted.
21	In case of any deviation or alteration in the project proposed from that submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	Agreed.
22	The above stipulations shall be enforced along with others as under the Water (prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989, Hazardous Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991 and rules there under and the Environment Impact Assessment Notification, 2006.	Noted.

EVP (Operations)

DATA-SHEET

November 13, 2009

1. Project type : **Thermal Power Plant**
2. Name of the project : **Binani Cement Ltd.**
(Expansion of CPP from 45 MW to 70 MW)
3. Clearance letter(s) & Dates : No. J-13012/37/2007-IA-II(T) dated 07/06/2007
4. Locations:
 - a) District(s) : Sirohi
 - b) State(s) : Rajasthan
 - c) Latitudes/Longitudes : 24°48' & 24°51' / 73°4' & 73°9'
5. Address for correspondence :
 - a) Address of concerned Project Chief Engineer : **Shri P. Acharya**
CEO & Whole Time Director
Binani Cement, P.O.Binanigram,
Via Pindwara - 307 025, Dist. Sirohi (Raj.)
Phones: 02971 - 2225005 /225012
Fax: 02971- 225020
 - b) Address of concerned Executive Project Engineer : **Shri Darshan Lal**
Executive Vice President
Binani Cement, Binanigram
Pindwara - 307 025, Sirohi (Raj.)
Phones: 02971 - 2225005 /225012
Fax: 02971- 225020
6. Salient features :
 - (a) of the project : Submitted
 - (b) of the environmental management plan : Submitted
7. Break up of the project area :
 - a) Submergence area (Forest & non-forest) : **N.A.**
 - b) Others: : 230 ha. (Plant and Colony)
8. Break up of project affected population with enumeration of those losing houses/dwelling units only, agricultural land only, both dwelling units and agricultural land and land less labourers/artisans :
 - (a) SC, ST / Adivasis : None.
 - (b) Others : None
 - (c) Number of villages affected : None
 - (d) Name & other particulars of identified area for settlement : None
 - (e) Compensation package : N.A.
 - (f) Budget : N.A.
 - (g) Status : N.A.

(Please indicate whether these figures are based on any scientific and systematic survey carried out or any provisional figures. If a survey is carried out give details and year of survey)

9. Financial details:

- (a) Project cost as originally planned & subsequent revised estimates and the years of price reference: : Rs. 60 Crores
- (b) Allocations made for environmental management plans, with item-wise and year-wise break up. : Rs.9.5 Crores
- (c) Benefit cost ratio / internal rate of return and the year of assessment. : *Not estimated*
- (d) Whether includes the cost of environmental management as shown in (b) above : *N. A*
- (e) Actual expenditure incurred on the project so far : 58.09 Crore (as on 31 March'09)
- (f) Actual expenditure incurred on the environmental management plans so far : Project is presently under commissioning. Data Will be submitted after completion of the project.

10. Forest land requirement : No forest land involved

- (a) The status of approval for a diversion of forest land for non-forestry use : NA
- (b) The status of compensatory afforestation, if any : NA
- (c) The status of clear felling : NA
- (d) Comments on viability & sustainability of compensatory afforestation programme in light of actual field experience so far : NA
11. The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any, with quantitative information : N.A.
12. Status of construction :
- (a) Date of commencement (actual and /of planned) : 10/06/2007
- (b) Date of completion (actual and /or planned) : March'09 (planned)
13. Reasons for the delay if the project is yet to start : NA
14. Environmental clearance condition wise compliance report : Attached

Signature with Seal

BINANI CEMENT LIMITED**ITEMWISE BREAKUP OF
CAPITAL INVESTMENT & ESTIMATES FOR ENVIRONMENT MANAGEMENT PLAN**

S.No.	Description	Type of PCE	Capacity (m3/hr)	Dust Load at Inlet (gm/m3)	Dust Emission to atmosphere (mg/Nm3)	Approx. Cost (Rs. In Lacs)
1	Secondary Tower	Bag Filter	15000	45	50	50
2	Transfer Tower	Bag Filter	10000	30	50	40
3	Boiler Bunker	Bag Filter	10000	30	50	40
4	Boiler Bunker	Bag Filter	10000	30	50	40
5	Fly Ash Silo	Bag Filter	10000	30	50	40
6	Bed Ash Silo	Bag Filter	10000	30	50	40
7	Bed Material Silo	Bag Filter	10000	30	50	250
8	Vent Gases to atmosphere	ESP with Chimney	100000	50	50	250
9	Other Pollution Control measures / Green belt etc.					200
				TOTAL COST (Rs. In Lacs)		950