

**HALF YEARLY COMPLIANCE REPORT**  
**(PERIOD FROM 01.04.2009 to 31.09.2009)**

**NAME OF THE PROJECT** : **CLINKER GRINDING UNIT (1.4 MTPA) OF M/S. BINANI CEMENT LIMITED (BCL), AT VILLAGE BHAGEGA-SIROHI, TEHSIL NEEM KA THANA, SIKAR DISTT. RAJASTHAN STATE.**

**MOEF LETTER NO. & DATE** : **ENVIRONMENT CLEARANCE (EC) NO. J-11011/386/2006-IA.II (I) dated January 16, 2007.**

**All the conditions of EC have been Complied.** Public has been informed about grant of EC by advertisement in **newspapers** Dainik Bhaskar (Sikar edition ) on 19-01-07 and on Rajasthan Patrika (Sikar Edition) on 20-01-07. Newspaper cutting was submitted to MOEF Lucknow/New Delhi & RSPCB vide letter No. BINANI/MoEF/823 dated 27/01/07. **Present status of stack emission, air quality, ambient noise level of Grinding Unit of BCL ,NKT are given below:**

**Project Code** : **NA**

**SIX MONTHLY COMPLIANCE REPORT (Apr'09-Sept'09) TO THE STIPULATED CONDITIONS OF EC DATED 16/01/2007**

S. No.	Particular	Compliance
<b>A Specific Conditions:</b>		
i).	Cement Grinding shall be carried out in closed clinker grinding mill and will have a highly efficient bag filters.	Noted and Complied
ii).	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Rajasthan State Pollution Control Board. At no time, particulate emissions from the grinding unit shall exceed 50mg/Nm <sup>3</sup> . Continuous on-line monitors for particulate emissions shall be installed in stacks. ESP shall be installed to the mill for venting. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically.	Agreed and Complied. Suitable pollution control equipment provided to ensure that the stack emissions are well within the stipulated limits of Environmental Clearance (50mg/Nm <sup>3</sup> ). Continuous on-line emission monitoring equipments (Opacity Meters) installed in the ESP stack. Interlocking facility provided in the pollution control equipment so that in the event of non working the respective unit is shut down automatically.
iii).	Ambient Air Quality monitoring stations shall be set up as per statutory requirement in consultation	Noted and Complied

	with RSPCB. Ambient Air Quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State Authorities. Monitoring of ambient air quality and shall be carried out regularly in consultation with RSPCB and data submitted to the CPCB and RSPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time	
iv).	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and at all the transfer points. Bag filters shall be provided to clinker hopper, cement silo, fly ash silo, elevator, packer; cement transport equipment etc to reduce fugitive emissions. The fugitive emissions during loading and unloading shall be suitably controlled. Dust emission from all sources shall be less than 50mg/Nm <sup>3</sup> . Fugitive dust emissions from Ball mill and storage area shall be collected in bag filters, cyclones and ESP and recycled back to the process. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.	Dust collection & extraction systems provided are: <ul style="list-style-type: none"> <li>➤ ESP &amp; Bag Filters in cement mill</li> <li>➤ Jet Pulse Filter (JPF) provided to all transfer points</li> </ul> Dust emissions from all the sources are less than 50 mg/Nm <sup>3</sup> . Water sprinkling arrangement provided at the raw material storage yard, dump hoppers and conveyors to control the background fugitive emission .
v).	Total groundwater requirement for cooling and drinking shall be 55m <sup>3</sup> /day and prior permission for the withdrawal of groundwater from State Ground Water Board (SGWB)/Central Ground Water Authority (CGWA) shall be obtained. No liquid effluent shall be generated due to adoption of dry grinding process. "Zero" liquid discharge shall be maintained.	Permission was granted vide CGWA letter 21-4(90) WR/CGWA 07-869 DT 18-9-07. Application for Renewal of NOC for withdrawal of Groundwater have been already applied to CGWA vide letter No. BCL/09-10/264 on the dated 28-07-09. No liquid effluent is generated in dry grinding process. No liquid effluent is discharged outside the plant premises.
vi).	Solid Waste viz fly ash and dust generated shall be properly recycled and reutilized in the process itself. No solid waste shall be generated from the process.	No process solid waste is generated from the Clinker Grinding Process. Provision has been made to recycle the collected dust into the process.
vii).	Out of 14 hectare land, 5 hectare shall be developed as green belt.	8835 trees have been planted in the plant premises till Sept'09 and other area will be covered with green belt in next monsoon season i.e. during July-Sept 2010. Garden has been made in 5000 square meter area in front of administrative building. 1500 trees were planted in surrounding villages in association with

		villagers in monsoon season of 2008. The tree species planted are Neem, Gulmor, Serus, Jamun, Mango, Cassia, Shisham, Amalthas, Karanj, Pepal, Accassia, etc.
viii).	All the recommendations mentioned in the Corporate Responsibility for Environment Protection (CREP) shall be strictly followed.	Noted and agreed
ix).	Rainwater harvesting measures shall be adopted. The company must harvest the rainwater from the roof tops and storm water drains to recharge the groundwater and use the same water for the various activities of the project to conserve fresh water.	Noted & Complied. Four Roof top Rain Water harvesting Structures were constructed in the plant area at various locations viz In front of Workshop Building, Nr 132 KV Switch Yard, Nr. Clinker Silo & in colony. The collected water will be used in plantation & for other secondary purposes.
x).	Necessary other statutory clearances from other concerned departments including 'No Objection Certificate' from the RSPCB shall be obtained prior to commencement of construction and/or operation.	Consent to establish obtained from RSPCB vide letter No. F.12 (28-29)/RPCB/Gr.III/959 dated 7/8/07. Consent to operate for Air & Water Act was obtained from the RSPCB vide our letter No. F(Tech)/SIKAR(NEEM KA THANA)/7(1)/2008-2009/2013 on the dated 30.03.09
xi).	The company must undertake eco-development measures including community welfare measures in the project area.	Work done by the company for the community welfare measures are: <ul style="list-style-type: none"> <li>• It is planned to construct bitumin road at a total cost of Rs 3 lakh in the Sirohi village.</li> <li>• 2 Rooms at a total cost of Rs. 4.15 lakh were constructed by the Company in the Sikar Police Station.</li> <li>• 1500 trees have been planted by us in the surrounding villages-</li> <li>• Bitumin (1,000 m) and C.C Road (135 m) at a total cost of Rs 10.3 Lakh were constructed by the company for local public transport in the Sirohi village .</li> </ul>

		<ul style="list-style-type: none"> <li>• 5 Number of persons of surrounding locality were given employment in our plant as permanent employee.</li> <li>• 51 Number of persons of surrounding locality were given employment in our plant as a contract employee.</li> <li>• Donation of Rs-10,000-thousand was given for community fair in the surrounding area.</li> </ul>
<b>B. General Conditions:</b>		
i).	The project authority shall adhere to the stipulations made by Rajasthan State Pollution Control Board (RSPCB) and State Government.	Stipulations made by RSPCB in Consent to Establish and Consent to Operate have been complied.
ii).	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Agreed. No expansion/ modification will be carried out without permission of the concerned regulatory authority (MoEF).
iii).	The overall noise levels in around the plant area shall be kept well within the standards (85 dB(A)) by providing noise control measures including acoustic hoods, silencers, enclosures etc., on all sources of noise generation. The ambient noise levels shall conform to the standard prescribed under Environment ( Protection) Act, 1986 Rules, 1989 viz 75 dB(A) ( day time) and 70 dB(A) ( night time).	Noted and Complied. Ambient Noise level is monitored regularly and is well within the stipulated limit. Workplace noise level survey is also conducted quarterly to identify the areas with high noise levels. Corrective / preventive actions are taken to control the noise levels and workers are provided with ear plugs/muffs.
iv).	Proper housekeeping and adequate occupational health programs shall be taken up.	Noted and Complied
v).	A separate environment management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	A separate well established environmental management cell with monitoring equipments is already in place to carry out the various environment management and monitoring activities. Action already initiated to establish Quality Management as per IS: 9001, Environment Management System as per ISO: 14001 and Occupational Health and Safety Management Series as per OHSAS: 18001 & Occupational Health Programs shall

		be implemented.
vi).	Rs 7.36 crores and Rs. 40 lakhs earmarked towards capital cost and recurring cost/annum for environmental pollution control measures shall be used exclusively to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	Noted & Complied
vii).	The Regional Office of this Ministry at Lucknow/CPCB/RSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Six monthly compliance reports in respect of Post Environment Clearance Monitoring (Rule 10 of EIA Notification, 2006, dated 14.09.2006) are timely submitted to the concerned regulatory authorities.
viii).	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted
ix).	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with Rajasthan State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office at Lucknow.	Complied. Public has been informed about grant of EC by advertisement in Dainik Bhaskar (Sikar edition ) on 19-01-07 and on Rajasthan Patrika (Sikar Edition) on 20-01-07. Newspaper cutting was submitted to MOEF Lucknow/New Delhi & RSPCB vide letter No. BINANI/MoEF/823 dated 27/01/07.

Thanking You,

For Binani Cement Limited,

**R.S. Bhati**  
DGM Mechanical

CC : The Additional Director,  
Ministry of Environment & Forest,  
Government of India,  
Paryavaran Bhawan, Lodi Road, New Delhi

## DATA-SHEET

Nov 27, 2009

1. Project type : **INDUSTRY**
2. Name of the project : **Binani Cement Ltd.**  
Clinker Grinding Unit – Neem-ka-thana (Dist. Sikar)
3. Clearance letter(s) & Dates : No. J-11011/386/2006-IA-II(I) dated 16/01/2007
4. Locations:
  - a) District(s) : Sikar
  - b) State(s) : Rajasthan
  - c) Latitudes/Longitudes : 27.41 N and 75.43 E
5. Address for correspondence :
  - a) Address of concerned Project Chief Engineer : **Shri P. Acharya**  
Whole Time Director & President Work  
Binani Cement Limited  
Binanigram, Pindwara,  
Sirohi, Rajasthan-307025  
Phone: 02971-2225005/225012  
Fax: 02971-225020
  - b) Address of concerned Executive Project Engineer : **Shri R. S. Bhati**  
Unit Head,  
Binani Cement Limited,  
Village Bhagega-Sirohi,  
Tehsil Neem Ka Thana  
District Sikar (Rajasthan)  
Phone No:01574-513476  
Fax No: 1574-517474
6. Salient features : Submitted as Annex 1
  - (a) of the project :
  - (b) of the environmental management plan :
7. Break up of the project area :
  - a) Submergence area (Forest & non-forest) : **N.A.**
  - b) Others: : Agricultural Land 29.53 ha(Plant and Railway Siding Area)
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 : SC-5; ST-4  
 (b) Others : 20  
 (c) Number of villages affected : one  
 (d) Name & other particulars of identified area for settlement : NA  
 (e) Compensation package : Private Land was purchased from Landowners by paying cost of land more than prevailing market rate and government rate.  
 (f) Budget : Rs. 5.97 crore( cost of total land purchased)  
 Status : Land has been purchased, plant was installed and commissioned in 2008  
 (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. 98 Crores is the estimated cost of project originally planned in the year 2006. Rs. 132.54 crore is actual expenditure incurred as on Oct 2008 ( Increase in cost of land, steel, equipment, large size foundation of plant due to loose soil, additional 33 KVA line etc has led to increase in project cost)
- (b) Allocations made for environmental management plans, with item-wise and year-wise break up. : Rs.7.36 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 : *yes*
- (e) Actual expenditure incurred on the project so far(Dec'08) : 132.54 Crore
- (f) Actual expenditure incurred on the environmental management plans so far : 8.9 crore

#### 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 : N.A.  
(such as submergence area of reservoir, approach roads), if any, with quantitative information
12. Status of construction :
- (a) Date of commencement (actual and /of : 15/02/2007  
planned)
- (b) Date of completion (actual and /or planned) : March'08
13. Reasons for the delay if the project is yet to : NA  
start
14. Environmental clearance condition wise : Attached  
compliance report

**Signature with Seal**

### **Annexure-1**

Salient Feature of Project:

1. Environment friendly project : Since the project will consume around 3 lac tones of fly ash per annum, it is an environment friendly project.
2. Large raw material storage silos for clinker & fly ash to control dust emission.
3. Green belt was developed by planting 8835 trees in last 2-3 years.
4. ESPs & Bag filters were installed for dust control
5. Ambient air quality is being monitored on four number stations inside the plant regularly.