

**COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE FOR  
THE PERIOD OF DECEMBER 2010 TO MAY 2011**

**M/s. Bulland Cements (P) Ltd.**  
M.D. Road; P.O.- Haibargaon  
Dist.- Nagaon  
Assam.

**A. Specific Conditions**

<b>SL.NO.</b>	<b>CONDITIONS</b>	<b>STATUS</b>
1	Adequate pollution control system shall be installed to control particulate matters within 50 mg/Nm <sup>3</sup> . Cyclone and multi-cyclone collector to Hammer Mill, pulse jet bag filter to raw mill, cement mill and air wet washer system to kiln shall be provided to control air emissions. The dust collected from the pollution control equipments shall be recycled back into the process.	The bag filters are located at Raw Mill Section, Clinker Handling & Feeding Section and Cement Mill Section. In some places Cyclones, multicones and Air wet washing systems are provided. The obtain values from the stack are within the limits Dust collected from the systems is being Recycled.
2	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land.	Condition followed. All raw materials coming to the factory are brought only in covered containers. Transportation distance is also being reduced by getting the raw materials from nearest points. Due to having good marketing control and track record of selling cement in the region, products are being sold in areas nearby the project site.
3	Total ground water requirement for cooling and domestic purpose shall not exceed 20 m <sup>3</sup> /day. Prior permission for the drawl of 100 m <sup>3</sup> /d ground water from SGWB / CGWA shall be obtained and no effluent shall be discharged outside the premises. All the treated wastewater shall be utilized for green belt development and other plant related activities. Domestic effluent shall be treated in septic followed by soak pit.	Cooling and domestic water consumption has not increased above 20 m <sup>3</sup> /day. Domestic effluent is being sent to septic tank followed by soak pit.
4	Solid waste generated in the form of dust collected from various control equipments shall be 100 % recycled and reutilized in the process itself. Domestic sludge shall be used for green belt development. Used oil and oil emulsions shall be sold to authorized recyclers/ reprocessors.	Solid waste generated in the form of dust collected from various control equipments is totally being recycled into the process. Domestic sludge will be used as manure for green belt development. Used oil and emulsions are being collected and sent to authorized recyclers.
5	Green belt shall be developed in and around the expansion project in 9.375 ha (60 %) out of total 13.375 ha area as proposed as per the CPCB guidelines in consultation with the local DFO.	Green belt has been developed in and around the project. Trees are also being planted continuously with particular emphasis on locally available and suitable species.

## B. General Conditions

SL.NO.	CONDITIONS	STATUS
1	The project authority must adhere to the stipulations made by Assam Pollution Control Board (APCB) and State Government	Norms of APCB and State government are being followed strictly.
2	No further expansion or modification of the plant should be carried out without prior approval of this Ministry	We will not go for any expansion without prior approval of Ministry.
3	The gaseous and particulate matter emissions from various units should conform to the standards prescribed by the State Pollution Control Board. At no time, the particulate emissions from the cement plant shall exceed 50 mg/Nm <sup>3</sup> . Continuous monitors for particulate emissions shall be provided. Interlocking facility shall be provided between pollution control equipments and the process operation so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.	The gaseous and particulate matter emission Values obtained are within the norms. Arrangements are being made for installation of Interlocking facilities between pollution control equipments and the process operation.
4	At least four ambient air quality monitoring stations should be established including one in the downward direction as well as where maximum ground level concentration of SPM, SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with the Assam Pollution Control Board (APCB) and must not exceed the standards stipulated under EPA or by the State Authorities. Data on ambient air quality and stack emissions should be regularly submitted to the APCB quarterly and this Ministry including its Regional Office at Shillong half yearly.	Two ambient air monitoring station including one downwind have been fixed. Stack and ambient air monitoring are regularly conducted by the third party and the reports have been submitted (enclosed).
5	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points. Dust collectors shall be provided at material transfer points. All the roads shall be concreted. Water spray system shall be installed to control fugitive emissions. Storage of raw materials viz. lime stone, coal, clinker shall be in closed roof sheds covered stockpiles.	We have Installed bag filers and extraction system to control fugitive dust emissions at various transfer points. Regular Water spray system has been installed to control fugitive emissions. Storage of raw materials viz. lime stone, coal, clinker are in closed roof sheds & covered stockpiles.
6	Industrial wastewater should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater should be utilized for plantation purpose.	There is no industrial waste water discharges from this factory. Only domestic washings are being sent to septic tank followed by soak pit.
7	The overall noise levels in and around the plant area should be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The measured noise levels are within the prescribed norms.

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8	Proper housekeeping and adequate occupational health programmes must be taken up. All the persons working in the sensitive areas shall wear protective covers. Occupational Health Surveillance programme shall be done on a regular basis and records maintained. The programme must include lung function and sputum analysis tests once in six months.	Proper housekeeping has been taken up. We are planning to take adequate occupational health programmes. All the persons working in the sensitive areas are wearing protective covers. Shortly First Occupational Health Surveillance programme will be done and will be continuing on a regular basis and records maintained. The programme will include lung function and sputum analysis tests once in six months.
9	The company must harvest surface as well as rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	We have already provided rainwater harvesting pits for Roof top water as well as surface waters and using the same for plantation purposes.
10	The company shall undertake eco-development measures including community welfare measures in the project area.	We have provided water supply outside our premises to the public. We have also provided cement bags freely to the nearby school/colleges.
11	The company shall follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	As part of Corporate Responsibility We are spending continuously on Environment management and Social Welfare measures. We have also planned for occupational health surveillance program for our workers. We have policy to maintain eco -friendly operations and various socio economic development activities to bring about overall socio economic improvements in the areas.
12	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP	We have provided Ear muffs to workers in the noisy areas and dust masks are being provided to the people working in dust prone areas.
13	A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions should be set up under the control of Senior Executive	At present we are regularly taking the services from the third party approved by PCB Assam
14	As proposed in the EIA/EMP, Rs. 30.00 Lakhs and Rs. 4.00 Lakhs/annum earmarked towards capital cost and recurring cost/ annum for environmental pollution control measures shall be judiciously utilized for the implementation of 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 purposes.	Complied.
15	The Regional Office of this Ministry at Shillong / Central Pollution Control Board / Assam Pollution Control Board shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.	Complied.
16	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial	Complied.

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	closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	
17	The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Assam 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 newspapers 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 should be forwarded to the Regional office.	Complied.