

**COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE FOR  
THE PERIOD OF OCTOBER 2013 to MARCH 2014**

**Name of the Project** : M/s. Bulland Cements (P) Ltd.

**Project** : Cement Plant (Total 200 TPD;150 TPD Ordinary Portland Cement & 50 TPD Pozzolana Portland Cement) at village Bamunigaon, Block Odali-CD, District, Nagaon, Assam

**Environmental Clearance Letter** : F.No. J-11011/598/2007-IA II (I), Dated November 14<sup>th</sup>, 2007

**A. SPECIFIC CONDITIONS:**

SL.N O.	CONDITIONS	STATUS
i.	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 at Raw Mill Section, Clinker Handling & Feeding Section and Cement Mill Section provided. In some places Cyclones, multi-cyclones and Air wet washing systems are provided. The obtain values from the stack are within the limits as shown in the monthly monitoring reports. Dust collected from the systems is being Recycled.
ii.	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 available market. 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.
iii.	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.	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 a soak pit.

	Domestic effluent shall be treated in septic followed by soak pit.	
iv.	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 authorize recyclers.
v.	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 in more than 33% areas. Trees are also being planted continuously with particular emphasis on locally available and suitable species.

#### B. GENERAL CONDITIONS

SL.NO.	CONDITIONS	STATUS
i.	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.
ii.	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.
iii.	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. Monitoring report is enclosed as Annexure-I.
iv.	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	Two ambient air monitoring station including one downwind have been fixed. Stack and ambient air monitoring is regularly conducted by recognized monitoring agency

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	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.	by Assam Pollution Control Board and the reports have been submitted to the respective authorities (copy enclosed as Annexure-I).
v.	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. Monitoring report of fugitive emission is enclosed as Annexure-I.
vi.	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.
vii.	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 and monitoring report is enclosed as Annexure-I.
viii.	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	Complied with.

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	include lung function and sputum analysis tests once in six months.	
ix.	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 and using the same for plantation purposes.
x.	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.
xi.	The company shall follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	Recommendations are being followed.
xii.	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.
xiii.	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.	We have already availing the service of Assam Pollution Control Board recognized monitoring agency for the routine environmental monitoring services.
xiv.	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 with.
xv.	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 along with statistical	- Followed the condition. - Six monthly compliance report (October 2013 to March 2014) is submitted herewith & also its uploaded on company's website i.e <a href="http://www.prithivcement.com">www.prithivcement.com</a>

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	interpretation shall be submitted to them regularly.	
xvi.	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.	Complied with.
xvii.	The Project Proponent should inform that the project has been accorded environment 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 with.
6.	The Ministry or any competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry located at Shillong.	Agreed with.
7.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Agreed with.
8.	Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.	Agreed with.
9.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Agreed with.

**ANNEXURE-I**  
**MONITORING REPORTS**