

<b>M/s SHIVA CEMENT LIMITED</b>		
<b>AT. TELIGHANA, P.O. BIRINGATOLI, VIA. KUTRA, DIST. SUNDARGARH (ODISHA)</b>		
<b>COMPLIANCE STATUS OF ENVIRONMENT CLEARANCE LETTER NO.:J-11011/84/2008-IA-II (I) dated: May 23, 2011</b>		
<b>Half Yearly Compliance for the period from October 2015 to March 2016</b>		
<b>A</b>	<b>SPECIFIC CONDITIONS</b>	<b>COMPLIANCE STATUS</b>
(i)	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion, particulate emissions shall be controlled within 50 mg/Nm <sup>3</sup> by installing adequate air pollution control system. Electrostatic precipitators to clinker cooler, bag house to raw mill/kiln and bag filters to coal mill and cement mill	Expansion project is not taken up, pending financial approvals closure.
(ii)	Possibilities shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler (WHRB) and a feasibility report should be prepared and submitted to the Ministry and its Regional Office at Bhubaneswar within 3 months from the date of issue of the letter	Expansion project is not taken up and provision has been made for raw materials drying.
(iii)	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.	Complying with the National Ambient Air Quality Standards issued by the Ministry in the present plant also and will be taken care in the expansion.
(iv)	Secondary fugitive emissions should be controlled and maintained within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard should be followed.	Complying with the National Ambient Air Quality Standards issued by the Ministry in the present plant also and will be taken care in the expansion.
(v)	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash shall be transported in the closed containers only and should not be overloaded. The company should have separate truck parking area. Vehicular emissions should be regularly monitored.	Complying with the National Ambient Air Quality Standards issued by the Ministry in the present plant also and will be taken care in the expansion.
(vi)	Total water requirement should not exceed 700 m <sup>3</sup> /day. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.	Currently, Plant consumption of water is within 100 m <sup>3</sup> /day and necessary provision has been made in the project report for the use of water in the green belt preparation, however there is no waste water discharge now and in future also.
(vii)	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	In the present plant rain water harvesting structure has been made and will be suitably expanded with expansion project.

(viii)	Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.	There is no waste water generation in the manufacturing process.
(ix)	All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers / reprocessors only.	Being complied in the present plant and the precautions will be taken for future expansion project also.
(x)	Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.	Being complied in the present plant and the precautions will be taken for future expansion project also.
(xi)	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly.	Will be explored after expansion.
(xii)	As proposed, green belt should be developed in at least 33 % area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	Green belt is already developed in 6.50 ac of land and further development will be taken as per stipulated condition once expansion is taken up.
(xiii)	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.	It will be suitably taken up after expansion, however, present conditions are being complied.
(xiv)	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 5th October, 2010 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and informatin submitted to the Ministry's Regional Office at Bhubaneswar.	Shall be suitably taken care after expansion.
(xv)	At least 5% of the total cost of the project shall be earmarked towards the enterprise social commitment based on Public Hearing & social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubanedswar. Implementation of such program should be ensured accordingly in a time bound manner.	Shall be suitably taken care after expansion.
(xvi)	The compnay shall provide housing for construction labour withi the site with all necessary and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Shall be suitably taken care during the expansion.
(xvii)	The company shall adopt well laid down corporate environment policy and identified and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with environmental clearance, environmental law and regulations.	Shall be suitably taken care after expansion.

<b>B.</b>	<b>GENERAL CONDITIONS</b>	<b>COMPLIANCE</b>
(i)	The project authority shall adhere to the stipulations made by Orissa Environment Conservation Board (OECB) and State Government.	Shall be complied during expansion
(ii)	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Present expansion is yet to be taken up.
(iii)	At least four ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of PM10, SO2 and Nox are anticipated in consultation with the SPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office and SPCB / CPCB once in six months.	Necessary provisions has been made in the project report of expansion and shall be implemented accordingly.
(iv)	Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	There is no waste water generation in the manufacturing process
(v)	Proper housekeeping and adequate occupational health programmes shall be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained properly for at least 30-40 years. The programme shall include lung function and sputue analysis tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposures to dust etc.	Being adhered to best efforts.
(vi)	Proper housekeeping and adequate occupational health programmes shall be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained properly for at least 30-40 years. The programme shall include lung function and sputue analysis tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposures to dust etc.	Proper housekeeping and adequate occupational health programme is being taken up in Plant & outside in the present running plant. However elaborate planning shall be done during expansion.
(vii)	The company shall undertake eco-development measures including community welfare measures in the project area.	Shall be taken care along with expansion.
(viii)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.	Shall be taken care along with expansion.
(ix)	A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	Shall be taken care along with expansion.
(x)	Adequate funds shall be allocated to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	Implementation will start once the expansion project starts.

(xi)	The Regional Office of this Ministry / CPCB / ASPCB shall monitor the stipulated conditions. The project authorities shall extend full co-operation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Shall be complied with in the project/expansion.
(xii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both on hard copies as well as e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the CECB.	Shall be complied with the project/expansion.
(xiii)	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.	Shall be complied with the project/expansion.
(xiv)	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with ear pluggs/ muffs.	Shall be complied with the project/expansion.
(xv)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal. The clearance letter shall be also put up on the website of the Company by the proponent.	There is no waste water generation in the manufacturing process.
(xvi)	The project authorities shall inform to the Regional Office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Being complied and will be extended during expansion.
(xvii)	The project authorities shall inform to the Regional Office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	No such suggestion/representations received as on date.
(xviii)	A copy of clearance letter shall be marked to concerned Panchayat / local NGO, if any, from whom suggestion /representation, if any, was received while processing the proposal.	No such suggestion/representations received as on date.
(xix)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal. The clearance letter shall be also put up on the website of the Company by the proponent.	No such suggestion/representations received as on date.

(xx)	The Project Authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Orissa Environment Conservation Board and also at web site of the Ministry of Environment and Forests at " <a href="http://enfor.nic.in">http:// enfor.nic.in</a> and a copy of the same shall be forwarded to the Regional Office of this Ministry.	The public notice was published in vernacular language (Odia) in "SAMAJA" and in English language in "BUSINESS STANRD " on dated 9.6.2011.
(xxi)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the Company alongwith the status of compliance of EC conditions and shall also be sent to the respective regional office of MoEF by e-mail.	Environmental Statement for each financial year ending 31 <sup>st</sup> March in Form-V is being submitted to Odisha State Pollution Control Board, Bhubaneswar and its Regional Office at Rourkela.

For SHIVA CEMENT LTD.

(V.D. CHARI)  
G.M. (Works)

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