



Dated:- 20.01.2015

To,

The Joint Director (S)  
Ministry of Environment & Forest  
North Eastern Regional Office  
Lumbathgen  
Shillong-793021

Sub:- Submission of six monthly compliance report for integrated Cement Plant and Coal based Captive thermal Power Plant at Mynkree village.

Dear Sir,

With reference to the above mentioned letter, we are submitting herewith six monthly report for Integrated Cement Plant and Coal Based Captive thermal Power Plant as mentioned below:-

1. Compliance Report in soft copy and hard copy as per the provisions made in Notification 2006 for the period 1<sup>st</sup> April 2014 to 30<sup>th</sup> September 2014.

Thanking You,

Yours faithfully,

For, Hills Cement Company Ltd



Authorised Signatory



**HILLS CEMENT COMPANY LTD.**

CIN-U26942ML2003 PLC007295, Website - [www.tajcement.com](http://www.tajcement.com)

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REGISTERED OFFICE & WORKS: Village Mynkree, 116KM Stone, NH-44, Sub Div.: Khliehrat, Dist.: Jaintia Hills, Meghalaya-793200, Ph: 03655-215864, E-mail: [hillsproject@gmail.com](mailto:hillsproject@gmail.com)

Compliance Report of Environmental Clearance  
For the Period 1<sup>st</sup> April 2014 to 30<sup>th</sup> September 2014

**HILLS CEMENT COMPANY LTD.**

Vill: Mynkree, 116 KM Stone, NH - 44  
Sub. Div.: Khliehriat, Dist: Jaintia Hills  
Meghalaya

**GENERAL CONDITIONS**

Sl. No.	Condition	Status
01	The project authority must adhere to the stipulations made by Meghalaya Pollution Control Board and State Government.	We are following all the stipulations and directives issued by Meghalaya Pollution Control Board and the State Government.
02	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	No further expansion or modifications are being planned presently.
03	At least four ambient air quality monitoring stations shall be established 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 Meghalaya State Pollution Control Board. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office at Shillong and Meghalaya State Pollution Control Board once in six months.	AAQ monitoring stations are being finalized in consultation with MSPCB. Presently, these services are being outsourced and results regularly submitted to the MoEF & MSPCB office at Shillong.
04	Industrial waste water shall be properly collected and 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 <b>from time to time</b> . The treated wastewater should be utilized for <b>plantation purpose</b> .	No wastewater is generated from the process. Whatever little wastewater is generated from domestic & other uses are being treated and reused for greenbelt development purposes.
05	The overall noise levels in and around the plant area shall 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 shall conform to the standards prescribed under Environmental (Protection) Act. 1986 Rules. 1989, viz 75 dBA (day time) and 70 dBA (night time).	Noise levels at all areas are under control and within limits as all required precautions have been taken to ensure safe noise levels.
06	Proper housekeeping and adequate occupational health programmes must be taken up. 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.	Regular Occupational Health checkup is being done for the workers as well as those living in the surrounding areas.
07	The company shall harvest the rainwater from the roof tops and storm water drains to recharge the ground water.	Rain water harvesting system has been installed and ground water is being recharged.
08	The company shall undertake eco-development measures including community welfare measures in the project area.	Condition complied with.
09	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.	Condition complied with.
10	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.	A separate environmental management cell has been set up. Arrangements for laboratory facilities is being planned.

Sl. No.	Condition	Status
11	Adequate funds shall be earmarked towards capital cost and recurring cost/annum for the environmental protection measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and submit implementation schedule for all the conditions stipulated herein to the Regional office of this Ministry at Shillong/Central Pollution Control Board/Meghalaya State Pollution Control Board. The funds so provided shall not be diverted for any other purposes.	Condition complied with.
12	The Regional Office of this Ministry at Shillong /Central Pollution Control Board/Meghalaya Pollution Control Board will monitor the stipulated conditions and six monthly compliance report and the monitored data along-with statistical interpretation shall be submitted to them regularly.	Compliance reports are being submitted regularly to all the concerned departments.
13	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.	Condition complied with.
14	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 the 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 newspapers that are widely circulated in the region of which one shall be in the vernacular language the locality concerned and a copy of the same shall be forwarded to the Regional Office at Shillong.	Condition complied with.
15	The Ministry or any competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions will be monitored by the Regional Office of this Ministry located at Shillong.	Condition complied with.
16	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Condition complied with.
17	Any appeal against this environment clearance shall be with the National Environment appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act. 1997.	Condition complied with.
18	Any other conditions or alteration in the above conditions will have to be implemented by the project authorities in a time-bound manner.	Condition complied with.
19	The above conditions will be implemented inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Condition complied with.

## SPECIFIC CONDITIONS

Sl. No.	Condition	Status
01	The company should obtain necessary clearances/approval from the concerned Departments i.e. Indian Bureau of Mines, State Government, Ministry of Environment and Forests etc for the linked mining component before undertaking any construction activity at the project site.	All required clearances and approvals have been obtained from the concerned departments.
02	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion, limit of SPM shall be controlled within 50 mg/Nm <sup>3</sup> by installing adequate air pollution control system. Electrostatic precipitators (ESP) to clinker cooler and power plant and bag house to raw mill and kiln, coal mill, cement mill, packing plant, primary and secondary crusher shall be provided to control emissions within 50 mg/Nm <sup>3</sup> . Adequate chimney height as per CPCB guidelines shall be provided to AFBC boiler to control emissions. 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 is shut down automatically.	Continuous Stack Monitoring facility is being installed. All required air pollution control devices like ESP, RABH etc. have been installed and properly maintained to keep the ambient air quality within permissible limits. Adequate heights have been provided to all the stacks. Interlocking facilities have been installed.
03	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.	Regular monitoring for secondary fugitive emission is being done. Emission levels are under control and within limits.
04	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points. Bag filters shall be installed at all material transfer points, material conveying points, cement silo and packing area. Air jet type bag filters shall be provided to raw material handling area and conveyors to control fugitive emissions. Reserve jet bag filter shall be provided to raw mill- I & II, blending silos, coal and cement grinding mill etc. Cyclones and bag filters shall be provided at crushing areas. The material shall be transported in covered chutes or trucks. Dust suppression with water spraying shall be provided to control secondary fugitive emissions.	Condition complied with.
05	Data on ambient air quality, stack emissions and fugitive emissions shall be uploaded on the Company's website and also regularly submitted on-line to the Ministry's Regional Office at Shillong, Meghalaya Pollution Control Board (MPCB) and Central Pollution Control Board (CPCB) as well as hard copy once in six months Data on SPM, SO <sub>2</sub> and NO <sub>x</sub> shall also be displayed prominently outside the premises at the appropriate place for the information of general public.	All collected data are being submitted to the concerned authorities and system being updated for website upload and public information system.
06	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 closed containers only and should not be overloaded. Vehicular emission shall be regularly monitored.	All raw material as well as finished products are transported only in closed containers and covered vehicles. Vehicular emission is also being regularly checked.

Sl. No.	Condition	Status
07	Total water requirement from underground natural springs should not exceed 300 m <sup>3</sup> /day. All the effluent from DM plant shall be properly treated in the neutralization pit and all the treated wastewater along-with boiler blow down shall be recycled and reused in the process and/or for ash conditioning, dust suppression, green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and zero discharge shall be adopted. Domestic treated water shall be treated in Sewage Treatment Plant (STP) and used for the green belt development. No wastewater shall be discharged into any stream/river and 'Zero' discharge shall be adopted.	Condition complied with.
08	Prior permission for the drawl of 1,5000 m <sup>3</sup> /day shall be obtained from concerned Department.	Condition complied with.
09	All the bag filter dust, raw mill dust, Coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Ash from CPP shall be collected in various hoppers of dust collection system and transported pneumatically to silos for further utilization in cement manufacturing. Bottom ash shall be used as bed material in the AFBC boiler. Municipal Solid waste from plant and colony shall be segregated and separated as combustible and non-combustible wastes. Combustible wastes along-with spent oil shall be used as fuel in the kiln. Non-combustible wastes shall be land filled for Composting and non-compostable waste shall be sold to authorized recycling vendors. Sewage sludge Shall be used as manure. Spent oil and batteries shall be sold to authorized recyclers / re-processors only.	Condition complied with.
10	All the fly-ash shall be utilized as per Fly-ash Notification, 1999, subsequently amended in 2003. Efforts shall be made to use fly-ash maximum in manufacturing Pozollona Portland Cement (PPC)	Condition complied with.
11	Efforts shall be made to use low grade lime, more fly-ash and solid waste in the cement manufacturing.	Condition complied with.
12	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly.	The system is being evaluated and necessary provisions made for the same.
13	As proposed, green belt shall be developed in at least 20 ha. (40%) out of 55.54 ha. 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 being developed around the plant area as per CPCB guidelines and in consultation with the local DFO/Forest department.
14	All the recommendations made in the Charter on Corporate Responsibility, for Environment Protection (CREP) for the Cement Plants shall be implemented.	Condition complied with.
15	The Company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilet, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Condition complied with.
16	All the issues, raised during the Public Hearing/Public Consultation meeting and commitments made shall be satisfactorily implemented.	Condition complied with.