



Head Office: 226/1 A J C Bose Road, Trinity, 6th Floor, Kolkata 700020 | Ph: +91 33 4003 3441 | email: info@amrit.co.in

Date: 20-06-2018

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To,

The Joint Director
Ministry of Environment, Forest and Climate Change
North Eastern Regional Office ,
Law-U-Sib, Lumbatngen,
Near MTC Workshop, Shillong-793021

Subject : - Six month Compliance report of EC stipulations on Amrit Cement Limited.
Reference: -Environmental clearance vide letter no. J-11011/75/2009-IA-II (I).Dated 17.03.2010.

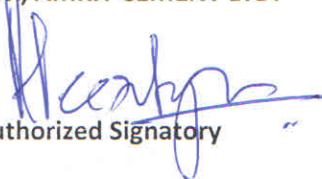
Dear Sir,

With reference to above mentioned letter, we are submitting herewith the Six Month Compliance Report of the stipulated environmental conditions of Environmental clearance along with results of monitored data for the period of **October, 2017 to March, 2018.**

Thanking you,

yours faithfully,

FOR, AMRIT CEMENT LTD.


Authorized Signatory

Encl. : As Above

- Copy to : 1. Additional Director & Zonal Officer,
Central Pollution Control Board,
North Eastern Zonal Office, Shillong – 793014
2. Member Secretary
Meghalaya State Pollution Control Board, Shillong



Amrit Cement Limited

Cin : U26940ML2008PLC008302

Registered Office: Opposite Horse Shoe Building, Lower Lachumiere, Shillong 793 001, Meghalaya | Ph: +91 364 2503192 | email: info@amrit.co.in



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Central Pollution Control Board
देशीय प्रदूषण नियंत्रण बोर्ड - शिल्लॉंग - ७९३०१४
Regional Directorates - North Eastern Zonal Office - Shillong - 793014
प्रदेशीय, उत्तर-पूर्व मंडल कार्यालय, शिल्लॉंग, भारत सरकार
Ministry of Environment, Forest & Climate Change, Govt. of India
RECEIPT NO. 
DATED 02.07.18

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AMRIT CEMENT LIMITED

Village: Umlaper, Elaka- Rymbai Dist.: Jaintia Hills Meghalaya

COMPLIANCE STATUS

ENVIRONMENTAL CLEARANCE LETTER NO.F No. J-11011/75/2009-IA-II (I) Dated 17.03.2010

Period: From 1st October 2017 to 31st March 2018.

(A) Specific Conditions:-

Sl. No.	Conditions	Compliance
i)	No Mining Activity shall be stated at the site without proper environmental clearance/ consent from the Central/State Government.	Noted Further 'Consent to Operate' for Operating 0.90 MTPA cement manufacturing unit along with 10 MW captive power plant for the year 2018-19 was renewed vide ref. No. MPCB/CON-14(2010)/Pt-I/2018-2019/77 Dt: 07-05-2018 Copy of Consent to Operate is enclosed as Annexure-I .
ii)	Online ambient air quality and continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion limit of SPM shall be controlled within 30 mg/Nm ³ by installing adequate air pollution control system viz. Electrostatic precipitations (ESPs) to clinker cooler and captive power plant (AFBC), bag house to raw mill/kiln and bag filters shall be provided to coal mill, cement mill etc. Adequate stack 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. Data on ambient air, fugitive and stack emissions will be submitted to the Ministry's Regional Office at Shillong, Meghalaya Pollution Control Board (MPCB) and CPCB regularly.	Provided continuous stack monitoring facilities, high efficiency ESP for Clinker Cooler & Reverse Air Bag House (RABH) for Kiln & Raw mill. Bag filters for Cement mill & coal mill. Provided ESP for Captive Power Plant. With these high efficiency pollution control equipments, SPM being maintained well within specified limit i.e. 30 mg/Nm ³ (G.S.R. 612(E) dated August 25, 2014). The entire Chimneys /stacks, installed areas per guideline. Data of Ambient air quality, fugitive emissions and stack emissions and ambient noise level monitoring are being submitted to the MOEF, Regional Office at Shillong, MPCB & CPCB regularly. Interlocking facility has been provided to all the Bag House and pulse jet bag filters. The online data of stack monitoring is given on CPCB website through suitable modem. The URL is glenscpb.glensserver.com Ambient air and stack monitoring data are attached as Annexure-II B & II A respectively.
iii)	An action plan shall be prepared and submitted to the Ministry's Regional Office at Shillong, for the control of SO ₂ emissions from the captive power plant.	Provided separate lime feeding hopper for boiler to control SO ₂ emissions.

iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826(E). Dated 16th November, 2009 shall be followed.	The company shall follow the National Ambient Air Quality Emission And all the monitoring results are as per norms.
v)	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 shall be prepared and submitted to the Ministry and its Regional Office at Shillong within 3 months from the date of issue of the letter.	Gases generated from kiln fully being utilized for drying the moisture in the raw materials like lime stone, clay, shale & coal, by diverting the hot gases to Raw mill & coal mill section. There is also proposal under study to utilize the cooler exit gases for drying the moisture in Fly ash.
vi)	The Company shall install adequate dust collection and extraction system at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. to control fugitive emissions. All the raw material stack piles shall be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials will be provided besides coal, cement, fly ash and clinker will be stored in soils. Pneumatic system shall be used for fly ash handling. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.	The company is already using water tankers for water sprinkling at loading & unloading points and all transfer points to control fugitive emissions. Provided dust extraction systems for all raw material transfer points. The raw materials viz. Clinker, fly ash and gypsum are stored in covered sheds. Finished products are stored in silos. Water tankers are deployed for water sprinkling at all the raw material stock yard and cement loading areas. Provided auto water sprinkling system facility on lime stone conveyer belt. Photographs are attached as Annexure-III .
vii)	Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emission, Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Central Board in the regard. Dust extraction/suppression system shall be provided at transfer points, crusher house, coal stock pile etc. Automatic dust cleaning system will be provided to clean floors to control fugitive dust emissions. The material shall be transported in covered chutes or trucks.	Asphalting/concreting of roads shall be provided. Presently regular water spraying all around the stockyard, critical areas prone and loading/unloading areas in the cement plant, plant road, and other vulnerable areas being carried out to control fugitive emissions. The material being transported in covered chutes and trucks.
viii)	Gaseous emission levels including secondary fugitive emissions from all the sources shall be	All necessary steps taken for proper control of emission levels including secondary fugitive emissions from all

	controlled within the least permissible limits issued by the CPCB will be followed. New standards for the sponge iron plant issued by the Ministry vide G.S.R 414(E) dated 2008 shall be followed.	the sources within the least permissible limits as per CPCB notification.
ix)	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agriculture land. All the raw materials including fly ash shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions shall be regularly mentioned.	Raw materials and end products being transported in covered containers, overloading is strictly prohibited. Vehicular emissions record being maintained at security main gate.
x)	Total water requirement for cement plant from River Thaw Dollia shall not exceed 2100 m3/day. No ground water will be used. Rejects of the water treatment plant shall be neutralized and boiler blow down shall be stored in common drain pit to cool naturally. Industrial effluent from captive power plant (CPP) shall be treated in effluent treatment plant (ETP). All the treated waste water shall be recycled and reused in the process and/or for cooling, dust suppression and green belt development and other plant related activities etc. No process wastewater will be discharged outside the factory premises and 'zero' discharge shall be adopted.	No ground water is used. The rejects of Water treatment Plant are neutralized in the neutralizing Pit and used for dust suppression and plantations. Boiler blow down is separately drained for cooling. Back wash water of water treatment plant shall also be collected in a separate tank. No process water is discharged outside factory premises and Zero discharge is adopted.
xi)	Permission' for the drawl of 2,100 m3/day water from River Thew Dollia shall be obtained from concerned Department. Sewage treatment plant (STP) shall be installed for the treatment of sewage from the colony and treated domestic effluent shall be used for green belt development within the plant premises. Domestic waste from colony and STP shall be segregated into bio- degradable and non-biodegradable, Bio- degradable waste shall be land filled at identifies sites.	Permission for drawl of 2100 m3 / day water from river Thwai Dolloi, is already obtained. STP is installed for the treatment of domestic effluent and treated effluent shall be used for green belt development. There is no sewage effluent as we are using Soak Pits for this purpose. The domestic waste shall also be segregated into Bio-degradable and non-biodegradable. Bio-degradable waste shall be composted and used for the green belt development. Non-biodegradable waste is used for land filling at identified sites.
xii)	Efforts shall be made to make use of rain water harvested. If needed. Capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement will be met from other resources.	During rainy season, we are not drawing any water from river Thwai Dolloi, but harvesting rain water flowing from water fall and pumping it to our reservoirs. Another scheme to harvest rain water flowing through storm water drain is also planned.
xiii)	All the bag filter dust, raw meal 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. Combustible wastes along with spent oil will be used as fuel in the kiln. Non-combustible wastes	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices being recycled and reused in the process and used for cement manufacturing. Spent/used/waste oil and batteries will be disposed to authorized recyclers/reprocesses only. We have

	will be land filled for manure composting and non-compostable waste shall be land filled for composting and non-compostable waste STP sludge shall be used as manure for green belt development. Spent/used/waste oil and batteries shall be sold authorized recyclers/reprocesses only.	already disposal hazardous waste authorized recyclers
xiv)	Efforts shall be made to use low grade lime, more fly ash and solid waste in the cement manufacturing.	Being complied.
xv)	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made according. The company shall keep the record of the waste utilized and shall submit the details to Ministry's Regional Office at Shillong, CPCB and MPCB.	The availability of high calorific waste is under process. Provision will be made to use of high calorific hazardous waste in the kiln.
xvi)	All the fly ash shall be utilized as per Fly Ash Notification, 1999 subsequently amended in 2003.	Being complied.
xvii)	A Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Shillong. MPCB and CPCB within 3 months of issue of environment clearance letter.	It is under process. Shall be submitted.
xviii)	As proposed, green belt shall be developed in at least 10 ha. (33%) area in out of total 30 ha. Land in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	The green belt has been developed in phased manner. At present 11,887 trees are covered in an area of 4 ha. Local species are selected in consultation with local DFO and plantation is being done. Details are enclosed as Annexure-IV
xix)	Recommendation and permission of the State Forest Department regarding impact of proposed plant on surrounding reserve forest, if any shall be obtained and implemented. Further, Conservation Plan for the conservation of wild fauna in consultation with the State Forest Department shall be prepared and implemented.	No Reserve Forest is there in the vicinity and hence it is not applicable.
xx)	All the recommendations made in the Charter on Corporate Responsibilities for Environment Protection (CREP) for the Cement plants shall be implemented.	All the CREP recommendations are being followed.
xxi)	The company shall provide housing for construction labour within the site with all necessary infrastructure 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 structure to be removed after the completion of the project.	Project completed, Presently we are providing housing with all necessary infrastructure and facilities such a toilets, safe drinking water, medical facility, health care for all.

xxii)	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 9th November, 2009 will be satisfactory implemented and separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Shillong.	All Commitments which was made during the Public Hearing are being satisfactory implemented.
xxiii)	At least 5% of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan will be prepared and submitted to the Ministry's Regional Office at Shillong. Implementation of such program shall be ensured accordingly in a time bound manner.	Corporate social responsibility (CSR) activities being under progress. (Enclosed as per Annexure -V) Include lung function and sputum analysis tests once in six months. Medical Checks by qualified Doctors are being done on regular basis.

(B)General Conditions:-

Sl. No.	Conditions	Compliance
i)	The project authority must adhere to the stipulation made by Meghalaya state Pollution Control Board (MSPCB) and state government.	ACL strictly adheres to the stipulation of MSPCB/State Govt.
ii)	No Further Expansion or Modification of the plant shall be carried out without prior approval of the Ministry.	No further expansion or modification of the plant is being carried on without prior approval of the competent authorities.
iii)	At least four ambient air quality monitoring station shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and Nox are anticipated in consultation with the Meghalaya state pollution control board. Data on ambient air quality monitoring and stack emission shall be regularly submitted to the ministry including its regional office at Shillong and Meghalaya Pollution control Board once in six months.	Presently we have engaged a third party to carry out ambient air monitoring, stack emission monitoring and noise level monitoring work. The six months data of ambient air quality and stack emissions are regularly submitted to MoEF Regional office, Shillong. Monthly ambient air quality monitoring reports are enclosed as Annexure- II(A) & II(B)
iv)	Industrial waste water shall be properly collected and treated so as to conform to the standard prescribed under GSR 422 (E) dated 19 th May 1993 and 31 st December 1993 or as amendment from time to time. The treated waste water shall be utilized for plantation purpose.	Generated waste water is being collected in neutralization pit and after it is being used for dust suppression and plantation purpose. We are maintaining zero discharge strictly.
v)	The overall noise level in and around the plant area shall be kept well within the standards (85dBA) by providing noise control measure including acoustic hoods, silencers, and enclosures etc, on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environmental	The Ambient noise levels <75 dB(A) are maintained below Standards prescribed by MPCB/CPCB/MoEFCC. Monthly monitored Noise levels are enclosed as Annexure-II(C)

	(Protection) act, 1986 Rules 1989 viz.75 dBA (Day time) and 70 dBA (Night time)	
vi)	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 lungs function and sputum analysis test in six months.	<ul style="list-style-type: none"> All the persons working in the dust/noise prone areas have been provided with personal protective equipment (PPE) such as helmets, safety glasses, industrial grade gloves, safety harnesses, gum boots, nose masks and earmuffs. Occupational Health Surveillance Programme is being conducted for the workers by a qualified doctor along with the medical staff. The medical staff has been appointed for regular health checkup of the workers. Periodic Medical Examination is being done on a regular basis and findings of the examination and tests are carried out, as per norms, have been duly recorded in the Health Register for ready reference. <p>Preventive health checkup details are attached as Annexure-VI</p>
vii)	The company shall harvest the rainwater from the roof tops and storm water drains to recharge the ground water.	Implementation of this scheme is in progress.
viii)	The company shall undertake eco-development measures including community welfare measures in the project area.	The Company has taken adequate eco-developmental measures with the objective of balancing with the construction activity as per the advice of the Forest department
ix)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.	The Company is complying with all the environmental protection measures and safeguards recommended in the EIA/EMP.
x)	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.	Being complied. Recruited one environmental senior executive to lead environmental management cell. Required instrument has been purchased & full fledged environmental lab established.
xi)	As proposed Rs.50.00 Crores will be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by Ministry of Environment & 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 purpose.	Being done progressively in line with capacity build-up. The fund is being used for Maintenance of pollution control equipment's, Third party monitoring of environmental parameters, green belt development and training programs as per CPCB guideline.

xii)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, ZilaParishad/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 also be put on the website of the company by the proponent.	Complied
xiii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It will simultaneously be sent to the Regional Office of the MOEF at Shillong, the respective Zonal Office of CPCB and the Meghalaya SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ &NO _x (ambient levels as well as stack emissions) or critical sartorial parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Being complied.
xiv)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitoring data (both in hard copies as well as by e-mail) to the Regional Office off MOEF, the respective Zonal Office of CPCB and the Meghalaya SPCB. The Regional Office of this Ministry at Shillong/CPCB/Meghalaya SPCB shall monitor the stipulated conditions.	Being complied.
xv)	The environmental statement for each financial year ending 31 st 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 along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Being complied.
xvi)	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 Meghalaya SPCB and may also be seen at Website of the Ministry of Environment & Forests at http://envfor.nic.in . This shall be advertised	Complied.

	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 will be forwarded to the Regional Office at Shillong.	
xvii)	Project authorities shall inform the Regional Office at Shillong 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.
xviii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.	Noted
xiv)	The Ministry reserve the right to stipulate additional condition if found necessary. The company in a time bound manner shall implement these conditions.	Noted
xx)	Any other conditions or alterations in the above condition will have to be implemented by the project authorities in a time bound manner.	Noted
xxi)	Any appeal against this environmental clearance shall lie with the national environmental appellate authority. If proffered with in a period of 30 days as prescribed under section 11 of the national environmental appellate act 1977.	Noted
xxii)	The above conditions shall be enforced inter- alia under the provision of the water (Prevention and control)Act,1974,the Air (Prevention and control)Act, 1981,the Environmental (Protection)Act,1986,Hazardous Waste (Management and Handling) Rules,2003 and the public liability (Insurance)Act,1991 along with their amendments and rules.	Noted