

Ref. ACH/EMD/F-20/05(03)/2017

30 Nov, 2017

Dr.S.C. Katiyar  
Regional Office MoEF  
Pearson Road, FRI Campus  
New Forest Dehradun – 248006

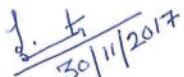
Sub: Compliance Status for Environmental Clearance under EIA notification dated 14.09.2006 for the Expansion of Cement Plant, Clinker (1.8 MTPA to 2.6 MTPA) at Village Rauri, Tehsil- Arki, Distt. Solan, HP by M/s Ambuja Cement Limited- reg. the period from April, 2017 to Sep, 2017.

Dear Sir,

Please find the enclosed point-wise compliance of Specific and General Conditions of above mentioned Environmental Clearances.

**This** point wise compliance of specific and general conditions of **ECs** is being forwarded along with relevant annexure to your kind goodself in a systematic context, please.

Thanking you,  
Yours Faithfully,  
For **Ambuja Cements Ltd., (Unit Rauri)**

  
(Sandeep Bhimta)  
Head Environment

CC to:

CPCB Zonal Office (North) PICUP Bhawan, Vibhuti Khand, Gomti Nagar,  
Lucknow - 226 010

Regional Officer, H P State Pollution Control Board, S.C.F. 6, 7 and 8, Sector –  
IV, PARWANOO, Distt. Solan (H.P.)

Encl.: (i) As above  
(ii) Soft copy in CD.



**Expansion of Rauri Plant 1.8 MTPA to 2.6 MTPA Clinker  
F. No. 1-11011/986/2008-1A-H (I)**

A.	SPECIFIC CONDITIONS :	Compliance
(i)	Environmental Clearance is subject to the final outcome of Civil Writ Petition No.10581 of 2011: Narpat Ram & Ors Vs State of Himachal Pradesh & Ors and Civil Writ Petition No 9442 of 2011: Prem Lal Sharma Vs State of Himachal Pradesh pending before the Hon'ble High Court of Himachal Pradesh at Shimla.	Noted.
(ii)	24X7 monitoring of emissions and effluent should be conducted, as prescribed by CPCB from time to time and report should be submitted to the Regional Office of the Ministry.	Online emission monitoring systems have been installed, data is being uploaded on realtime basis on CPCB & HPSPCB cloud servers
(iii)	The expansion project shall comply with the new MOEFCC Standards issued vide GSR 612 (E) dated 25.08.2014 with respect to particulate matter, SO <sub>2</sub> , NO <sub>x</sub> for Cement sector.	We have taken initiatives to comply with these standards.
(iv)	All the conditions stipulated by the Standing Committee of the National Board for Wildlife should be effectively implemented.	Conditions as stipulated will be met.
(v)	Continuous stack monitoring facilities to monitor gaseous emissions from the process stacks shall be provided. After expansion, limit of PM shall be controlled within 50 mg/Nm 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. Low NO <sub>x</sub> burners should be provided to control NO <sub>x</sub> emissions.	(a). We have installed the Continuous Particulate Matter (CPM) at our coal mill stack and cooler stack, Continuous Emission Monitoring System is installed at our main stack (stack attached to Raw Meal & Kiln). Low NO <sub>x</sub> burners have been installed to control the NO <sub>x</sub> emissions. (b). The Particulate Matter emissions from various units conform to the standards prescribed by the CPCB i.e. below 50mg/Nm <sup>3</sup> . (c) Electrostatic precipitator has been installed in clinker cooler and bag house in raw meal and kiln sections to control the emissions. All the transfer points have been provided with bag filters. (d). Interlocking facility has also been provided between pollution control equipment and the process operation so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.
(vi)	Secondary fugitive emissions shall be controlled	All the roads inside plant are concreted including the truck

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	and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard should be followed.	parking area. Tennant road sweeping machines are being used to clean the roads. Water sprinkling is also being carried out wherever necessary in order to control the fugitive dust emissions. Guidelines/ Code of Practice issued by the CPCB is being followed.
(vii)	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 should be transported in the closed containers only and shall not be overloaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored. A transport management plan in this regard to reduce the impact shall be submitted to the Ministry's Regional Office within six months.	All the trucks used for transportation are being covered with tarpaulin and overloading is not allowed. We have separate concreted truck parking area. PUC certificate is necessary for all the vehicles. A transport management plan in this regard to reduce the impact has been submitted vide letter no. ACH/EMD/F-13-1/03/2016 dated 12/03/2016.
(viii)	The existing water requirement is 500 m <sup>3</sup> /day and no additional water will be required for the proposed expansion. 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.	(a) No additional water is required for expansion of plant. (b) No waste water is generated from the process. (c) The domestic waste water generated from colony is treated in STP which reused in plant cooling make up and horticulture purpose thus achieving zero discharge.
(ix)	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.	Six rainwater recharging pits have been constructed in the plant premises to harvest rain water.
(x)	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 shall be sold to authorized recyclers / re-processors only.	All the dust from APCEs is being recycled and reused in process. Used oil and batteries are being sold to authorized vendors only.
(xi)	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly. A report in this regard shall be submitted to the Ministry's Regional Office at Dehradun.	A report on high calorific hazardous waste has been submitted vide letter no. ACL/EMD/F-13/03/2016 dated 30/03/2016.
(xii)	Green belt shall 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.	A report on green belt has been submitted vide letter ACL/EMD/F-13/03(6)/2016 dated 31/03/2016. A latest assessment report on green belt development by HFRJ is enclosed as annexure 1.

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(xiii)	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.	CREP recommendations are being implemented.
(xiv)	All the commitments made to the public during the Public Hearing : Public Consultation meeting held on 30.8.2012 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Dehradun.	Being complied.
(xv)	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Dehradun. Implementation of such program shall be ensured accordingly in a time bound manner.	Being Complied.
(xvi)	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets 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.	Being complied.
<b>B.</b>	<b>General Conditions</b>	
(i)	The project authorities must strictly adhere to the stipulations made by the Himachal Pradesh State Pollution Control Board and the State Government.	All the stipulations made by HP SPCB and State Government are being followed.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change.	Further expansion or modification in plant shall be carried out with prior approval of the Ministry of Environment, Forest and Climate Change.
(iii)	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, PM25, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Dehradun and the SPCB/CPCB once in six months.	We have installed four AAQM stations and one CAAQMS in consultation with HPSPCB and regularly submitting the reports to HPSPCB and to MoEF. The realtime data of CAAQMS is being submitted on HPSPCB and CPCB cloud server.
(iv)	Industrial wastewater shall be properly collected, 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.	Being a dry process, no industrial waste water will be generated from the process. However the waste water generated from offices and residential facilities shall be treated and utilized for plantation and other

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		purposes.
(v)	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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Noise control measures have been provided at all sources of noise generation. The results are well within limit as prescribed under Environmental (Protection) Act, 1986 Rules 1989. HPSPCB also carryout noise monitoring on regular basis. Apart from this acoustic enclosure works for some noise producing machineries is in progress to further reduce the noise level.
(vi)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Ambuja Cement Ltd. company is very much conscious about the occupational health and safety of employees and workers. Different types of health and housekeeping programmes are regularly being organized by the company and the records are maintained. All the workers and employees are trained about the use of Personal Protective Equipments. Being a conscious company about the safety of employees the company has its own five cardinal rules for safety which each and everyone has to be followed.
(vii)	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Six rainwater recharging pits have been provided in the plant premises to harvest rain water.
(viii)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Being complied.
(ix)	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Dehradun. The funds so provided shall not be diverted for any other purpose.	Funds earmarked for environmental protection measures are taken as a separate budget and six monthly expenditure is being reported to the Regional office of MoEF.
(x)	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	Copies of the clearance letter have been sent to the concerned authorities. The clearance letter has also been uploaded on the website of

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	suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	the company.
(xi)	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 shall simultaneously be sent to the Regional Office of the MOEFCC at Dehradun. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely: PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral 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.	Monthly and Six monthly compliance reports are being uploaded on website. The same are being sent to Regional Office of the MOEFCC at Dehradun.
(xii)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Dehradun / CPCB / SPCB shall monitor the stipulated conditions.	Being complied.
(xiii)	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 along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Dehradun by e-mail.	Complied.
(xiv)	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 SPCB and may also be seen at Website of the Ministry of Environment, Forest and Climate Change at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall 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 at Dehradun.	Advertisements have been made in Aapka Faista & Himchal Dastak on Sep 20, 2015. information submitted to MoEF&CC, NR, Dehradun vide our letter no. ACH/EMD/F-13-3/09/2015 dated 21/09/2015.
(xv)	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.	Noted.

