

Compliance of Conditions of Environment Clearance

Name of the Project: Ambuja Cements Ltd., Village Navagraon, Tehsil
Nalagarh, Distt. Solan (H.P.)

Clearance letter No.: J-11011/173/2008-IA-II(I) dated 22 August 2008

Period of Compliance: April 2014 to September 2014

Sl. No.	Condition	Compliance Status
i	The particulate matter emissions from various sources shall not exceed 50 mg/Nm ³ . The fugitive emissions during loading and unloading shall be suitably controlled. Bag house/ filters shall be provided to control air emissions to achieve the prescribed standards.	To achieve the prescribed standards of Ambient air and Stack emissions, 27 Nos. of Bag filters and one main Bag House have been installed. Stack emissions are maintained well below the prescribed limit of 50 mg/Nm ³ . Stack emission data from April 2014 to September 2014 reveals that the monthly average of stack emission is in the range of 9.46 – 14.77 mg/Nm ³ . Stack Emission Data from April to September 2014 is enclosed as Table - 1
ii	The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the Himachal Pradesh Pollution Control Board (HPPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	Six Ambient Air quality monitoring stations have been fixed and the report is submitted to State Pollution Control Board on monthly basis. Average Monthly Ambient Air Quality monitoring data from April 2014 to September 2014 was in the range of 57.4 ug/m ³ to 81.7 ug/m ³ for PM 10 and 19.85 ug/m ³ to 29.48 ug/m ³ for PM 2.5. Ambient Air Quality Data from April to September 2014 is enclosed as Table - 2
iii	The company shall obtain permission for drawl of 400 m ³ /day ground water from the Central Ground Water Authority/ Central Ground Water Board and copy of the same shall be submitted to the ministry and its Regional Office at Chandigarh within three months from the date of issue of this letter.	Required permission has been obtained and a copy of permission letter has already been submitted to the Regional office of MoEF, at Chandigarh vides our letter dated 22 nd June 2010.
iv	Green belt shall be developed at least in 33% of plant area to mitigate the effect of	Provision has been kept for development of Green Belt. We had

Ambuja Cements Limited (Unit: Nalagarh)

Village Navagraon, P.O. Jajhra, Tehsil Nalagarh, Distt. Solan (H.P.) 174 101
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	fugitive emissions all around the plant as per the guidelines of Central Pollution Control Board.	planted more than 4896 Trees and 33228 Shrubs. This covers more than 33% of the area. Month wise detail of plantation up to September 2014 is enclosed as Table – 3
v	The project authorities shall transport the raw materials and cement in covered means to avoid fugitive emission during transport.	All the raw materials and Cement are transported in tarpaulin covered trucks to avoid fugitive emission.
vi	No clinker manufacturing facility shall be installed by the company	Clinker manufacturing facility has not been installed.
vii	All the recommendations mentioned in the CREP guidelines for the cement plants shall be followed and complied.	All the recommendations mentioned in CREP guidelines for Cement plants are followed and complied. Being Complied. Compliance status enclosed as Annexure -1
	GENERAL CONDITIONS	
i	The project authorities shall strictly adhere to the stipulations of the SPCB/ state government or any other statutory body.	All stipulations are being complied and shall be taken care in future also.
ii	All other necessary statutory clearances from the concerned Departments including "No Objection Certificate" from the Himachal Pradesh Pollution Control Board (HPPCB) shall be obtained prior to commencement of construction and/ or operation.	No Objection Certificate was obtained from HPPCB vides letter no. PCB(1114) Ambuja Cement Navagraon/6-13867-73 dated 27/09/2008. All other Statutory Clearances like single window clearance, MoEF clearances etc have also been obtained.
iii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	The point has been noted and will be taken care during expansion or modification in plant in future.
iv	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Process interlocking system has been provided which shall automatically trip off the mill in case of failure of pollution control system.
v	The gaseous emissions (SO ₂ , Nox) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned	Gaseous emission (So ₂ and Nox) is not applicable in case of stack emissions in grinding unit where we are monitoring Particulate matter

	authorities from time to time.	only but in case of Ambient air quality they are being monitored. All the values are within the prescribed norms.
vi	The company shall undertake following Waste	Minimization measures:
	Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	No by product being generated from process.
	Use of "Close pneumatic" system for transport of fine material.	All fine materials are transported in closed systems to avoid any leakage/spillage.
	All venting systems shall be connected with dust arresting equipments.	All the material transfer points are equipped with Bag Filters.
	Dust collect in pollution control equipments shall be reused.	Dust collected in pollution control equipment is automatically recycled in the respective process.
vii	Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.	Fugitive emissions in work zone areas like packing and fly ash unloading are regularly monitored and are conforming to the prescribed norms.
viii	The overall noise levels in all around the plant area shall be kept well within the standards 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	All possible noise control measures have been taken. Ambient Noise is regularly monitored and the monitored values are within the prescribed standards i.e. 75 dBA (day time) and 70 dBA (night time). A Report of Ambient Noise Monitoring for the period from April 2014 to September 2014 is enclosed as Table – 4
ix	The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.	Three rain water harvesting structures with proper drainage system have been made for collection of rain water to recharge the ground water. Due to this effort we were able to be water positive in 2013 and hope to be water positive in 2014 also.
x	Occupational health and safety measures shall be undertaken. Periodic monitorial for exposure to dust on the workers should be conducted and records maintained including health records of the workers. The company shall engage a doctor who is trained in occupational health.	Occupational Health & Safety is given the top most priority in our company. An occupational health centre has been set up with a qualified doctor and a pharmacist. Regular medical checkup has been conducted for the workers as well as employees on annual basis and

		keeping proper records. The company has set up a separate OH&S Deptt. that ensures strict adherence to all safety norms.
xi	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	Ambuja Cement Foundation (a Non-Governmental Organization), has been set up by the company for looking after Eco-developmental and community welfare measures in the project area and is working since the inception of the project.
xii	A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	To look after the environmental management in the company, a separate Environmental Management Cell equipped with full-fledged laboratory has been set up.
xiii	The project authorities shall earmark Rs. 2.20 Crores to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for all the conditions stipulated herein shall be submitted to the Ministry's Regional Office. The funds so provided shall not be diverted for any other purpose.	Though a sum of Rs.2.20 Crores was earmarked to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government, we have spent more than Rs.35 Crores on Environment Protection measures and other related activities.
xiv	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB/CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Six monthly Compliance Report is being submitted regularly. Last report upto May 2014 was submitted vides our office letter dated 23 rd June 2014. Report has been posted on the company website.
xv	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 at http://envfor.nic.in . 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 should be in the Vernacular language of the locality and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	The condition has been complied with.

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 start of project.	The project was approved by the state govt. on March 11, 2008; EC was granted by MoEF on August 22, 2008. The project activities at site were formally started in January, 2009. Consent to Operate was issued by State Pollution Control Board on March 23, 2010 and production started on March 27, 2010.
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