

# Ambuja Cement

REF: ACL/RPR/EMD/2017 /05/229

29<sup>th</sup> July, 2017

Environmental Engineer  
Punjab Pollution Control Board  
Plot No-55, Phase-II, Near Bassi Theatre  
SAS Nagar (Mohali) -Punjab.

Subject: Submission of Half Yearly Environmental Clearance Compliance Report

Dear Sir,

With reference to your letter No. CSA/7218 dated 05-12-2003 regarding grant of Environmental Clearance by CSA-cum-SEAC, we are submitting the compliance report of the conditions of Environmental Clearance and compliance status of conditions stipulated consent to operate air, water and hazardous waste authorization.

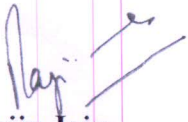
Also enclosed the EC Condition compliance report for the capacity 2.5 MTPA to 3.4 MTPA given by MoEF&CC New Delhi.

Kindly acknowledge the receipt of the same.

Thanking You.

Yours Faithfully,

For AMBUJA CEMENTS LTD.

  
Rajiv Jain

  
Sr Vice President


Encl: As above

CC: Dr Ajay Mehrotra (Advisor /SG)

Ministry of Environment, Forests & Climate Change,

Northern Regional Office, Bays No. 24-25, Sector: 31-A , Dakshin Marg, Chandigarh-160030

AMBUJA CEMENTS LIMITED  
(Unit Ropar)

  
Village - Daburji, P.O. Lodhimajra Distt. Ropar - 140 113 (Punjab)  
Phone : 01881 - 274287, Fax : 274018, 276034  
(Regd. Off. : P.O. Ambuja Nagar, Taluka - Kodinar, Distt. Junagarh, Gujarat - 362 715)

QIN 126942GJ1987 10

Compliance Status of conditions stipulated in EC letter No- F. No .- J -11011/146/2012-IA II(I) dated 26 May 2016 for 2.5 MPTA to 3.4 MTPA by Process Optimization .

**Half Yearly Compliance Report for the period of 1 Jan 2017 - 30 June 2017**

S.No.	Specific Conditions :	
1	The project proponent shall install 24x 7 air monitoring devices to monitor air emissions as provided by the CPCB and submit the Report to Ministry and its Regional Office.	We have installed 24x7 Continuous Ambient Air Quality Monitoring System to monitor the air and data of same is continually reported to CPCB/SPCB Server . Data being submitted to the CPCB/SPCB server on regular basis.
2	The Standard issued by the Ministry Vide G.S.R. No. 612(E) dated 25th August 2014 regarding cement plant with respect to particulate matter ,SO <sub>2</sub> , Nox shall be followed.	This is cement grinding unit and we have installed online dust monitor (opacity meter) in major stacks for cement Grinding Unit and data of monitoring is being already transmitted to CPCB /SPCB server . Also 12 additional Pro scattered technology meters( measuring equipment of SPM in stack) in other stacks in process. Costing of the same will be Rs 75 Lakhs. Emissions of SO <sub>x</sub> ,Nox is not applicable .
3	Efforts shall be made to achieve power consumption of 70 units for Portland Pozzolana Cement (PPC) and 95 units /ton for Ordinary	This is cement grinding unit the same is not applicable, however we have setup our internal target of power consumption of cement product is 38 kwh /Ton of cement for grinding unit.
4	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No 826(E) dated 16th November ,2009 shall be followed.	We are monitoring of AAQ at Six Locations as per NAAQS dated 16 the Nov 2009. Apart from this, external agencies approved by MoEFCC & Punjab pollution control board approved lab / Punjab Pollution control board are also engaged to carryout the AAQ monitoring as per NAAQ Standards in addition to our regular monitoring.
5	Secondary fugitive emissions shall be controlled and shall be with in the prescribed limits and regularly monitored. Guidelines /Code of Practice issued by the CPCB in this regard shall be followed.	<p>All transfer points and storage silos are provided with dust collection and extraction systems for effective control of fugitive emissions.</p> <p>* Clinker is being stored in clinker storage silo &amp; covered shed , Gypsum and additives are being stored in covered storage sheds, Fly ash &amp; cement is being stored in silos and raw material transfer conveyors are covered with GI sheets to avoid any secondary fugitive emissions.</p> <p>* All roads and open areas in the plant area are cement concreted and vehicle movement is allowed only through specific routes for control of secondary fugitive dust emissions.</p> <p>* Truck mounted vacuum cleaner and two tenant road cleaning machine are deployed and good housekeeping is being maintained for controlling secondary fugitive dust emissions.</p> <p>Requisite data / information / monitoring data are being submitted to Regional Office, being submitted to MoEF&amp;CC .</p>

6	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the Surrounding environment including agricultural land by use of conveyors/rail mode of transport wherever feasible. The company shall have separate truck parking area. Vehicular emissions shall be regularly monitored.	<p>To ensure and reduce impact of transport on the surrounding environment; raw materials and cement is transported mostly by rail and in trucks covered with tarpaulin.</p> <p>* Dry Fly ash is being received by pneumatic pipe line from near by Guru Govind Singh Super Thermal Power Plant.</p> <p>* Transport vehicles are periodically checked for Pollution Under Control certificate from approved RTA agencies.</p> <p>* Separate railway siding is commissioned since inception of the plant in 1995 from near by Guru Govind Singh super thermal plant to our plant site to transport raw materials and around 35 % of cement dispatch is also carried out by rail thereby reducing the impact on the surrounding environment caused by transportation activity.</p>
7	Efforts shall be made to further reduce water consumption by using air cooled condensers. 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 shall be adopted. Status :	Dry process is used for manufacturing cement; hence there is no generation of process wastewater. Return water from cooling system is routed back to collection tank and recycled back into system. Domestic wastewater is treated in Sewage Treatment Plant (STP) and it is being used for greenbelt ,dust suppression system ,captive power plant cooling . The Waste water of Captive power plant being treated through the Effluent Treatment Plant and treated water being used in cooling tower after treatment in ETP (comprises of HRSCC-MGF-UF-RO1-RO2-MEE & Solar ponds). Domestic Effluent is being treated in STP and treated water is being used for cooling tower make up water of our Captive Power Plant, coal yard dust suppression, road dust spray & horticulture and conforms to standards stipulated by the Board. We are not discharging any effluent outside factory premises.
8	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 shall be met from other sources.	Collection Tank is constructed to collect the rain water in plant area and same is being used for cooling purpose in the plant .
9	Green belt shall be developed in 33% of the project area within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, along road sides etc. by planting native and broad leaved species in consultation with local DFO and local communities as per the CPCB guidelines.	We have developed green belt in 25 % of the plant area. Remaining will be completed in coming year as per plan submitted to MoEF&CC in final EIA draft report .The species, which are recommended by local forest deptt is being planted .
10	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants shall be implemented	All the applicable conditions of the CREP are complied.

11	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and Submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.	As committed during public hearing Rs 45.53 Lakhs has already been earmarked for ESC and spent in year 2016-2017. Similler practices will be adopted in future also.
12	The proponent shall prepare a detailed CSR Plan for every next 5 years for the existing-cum-expansion project, which includes village-wise, Sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements Such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.	Being complied ( For details ,please ref Annexure 1 ,2)
13	The project proponent shall provide for solar light system for all common areas, street lights, Villages, parking around project area and maintain the same regularly.	Agreed ,Solar light is being installed in nearby village and further replacement will be done by LED lights only.
14	The project proponent shall provide for LED lights in their offices and residential areas.	Agreed , being complied . 2017-LED-145Nos installed in the plant and colony 2016-LED-63 Nos installed in the plant and colony present 30 LED are being installed . At
15	Provision shall be made for the housing of 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	In the proposed expansion no construction activity is being proposed. The proposed expansion project is based on the process optimization .

## GENERAL CONDITONS

1	The project authorities must strictly adhere to the stipulations made by the Punjab Pollution Control Board and the State Government.	Agreed. All the stipulations made by PPCB in their Consent to Establish & Consent to operate are complied. Half yearly Compliance reports are sent to the R.O., PPCB on regular basis.
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).	Point noted & agreed. No expansion will be carried out without prior approval of the MoEF&CC.
3	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 Chandigarh and the SPCB/CPCB once in six months.	Ambient Air Quality Monitoring stations have been set up and continuous Ambient Air Quality being monitored hourly and data of same being transmitted to CPCB/PPCB Server . Parameters of AAQ are well within the stipulated norms and data of continuous ambient air quality is available at CPCB/SPCB Server.
4	Industrial wastewater shall be properly collected, treated So as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31 December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	Trade Effluent is generated from the Cooling Tower Blow down & Boiler Blow down and is properly treated through zero liquid discharge ETP and treated water being used in captive power plant condenser cooling process and domestic effluent being generated from colony and plant being treated through zero liquid discharge STP and same treated water also for dust suppression and condenser cooling process .
5	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 (night time).	All necessary noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation are in place and properly maintained. Workplace noise level survey is conducted on regular basis to identify areas with high noise levels. Corrective / preventive actions are taken if the noise levels exceed the permissible limits as stipulated in the EP/Factories Act. Workers employed in High Noise Area are provided with proper PPEs and their exposure to noise is controlled within the permissible limits. Periodic audiometric tests of the workmen employed in High Noise Area is also conducted as part of Workers' Health Surveillance Program. Ambient Noise level is monitored regularly and is controlled within the stipulated limit. The record of Noise level statistics for the period up August 2016 is available with the industry.
6	6. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance for all the employees are being conducted periodically.

7	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.	We have constructed one rainwater harvesting pit of capacity 20 m3 for collection of rain water, which is further being used in Cooling Tower. As per hydrological study report of 2011 ,the ground water level in plant premises less than 5m bgl. Therefore recharge of the ground water is not technically feasible
8	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.	As committed in EIA /EMP all the environmental protection safe guards are being done. Ambuja cement Foundation Ropar is doing welfare and community development activities in the nearby villages of our project area as per MoEF&CC Environmental Clearance Condition, under our CSR programme covering near by villages with local communities and panchayats.
9	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 (MoEF&CC) 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 Chandigarh. The funds so provided shall not be diverted for any other purpose.	Earmarked funds for the year 2017 -2018 is being utilized for environmental protection control measures to implement the condition stipulated by MoEF&CC and SPCB.
10	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 also be put on the web site of the company by the proponent.	Copies of the EC have been sent to Panchayat, various village people raised the issue during public hearing , Zila Parishad, Municipality, Pindwara , local NGO. copy of the EC is posted on the company's website for public display. Also display in villages notice boards,

11	<p>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 Chandigarh. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, 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.</p>	<p>Six monthly compliance reports in respect of Post Environment Clearance Monitoring (Rule 10 of EIA Notification, 2006, dated 14.09.2006) being timely submitted in hard and soft copies to the concerned regulatory authorities in the month of July 2017 . Copies of these reports as well as the annual Environment Statement as submitted to the PPCB, are also uploaded on the company's website (<a href="http://www.ambujacement.com">www.ambujacement.com</a>) for public viewing in compliance to the Ministry's Circular dated 30.06.2009.</p>
12	<p>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 MOEF&amp;CC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Chandigarh / CPCB / SPCB shall monitor the stipulated conditions.</p>	<p>Six monthly compliance reports in respect of Post Environment Clearance Monitoring (Rule 10 of EIA Notification, 2006, dated 14.09.2006) has been submitted on dated 26 July 2016 to regional punjab pollution control board regional MoEF&amp;CC Office .The EC condition for capacity 3.4 MTPA will be submitted in the month of Jan 2017.</p>
13	<p>The environmental statement for each financial year ending 31 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 MOEF&amp;CC at Chandigarh by e-mail.</p>	<p>Annual Environment Statement is regularly sent to the PPCB, . After In addition, a copy of the statement will also be uploaded on the company's website. Annual Environment statement for the year 2016-2017 will be submitted before 25 Sept 2017.</p>

14	<p>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, Forests and Climate Change (MoEFCC) 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 Chandigarh.</p>	<p>The Public were informed of the grant of Environment Clearance through an advertisement in the Punjab, Dainik Bhaskar and Dainik Navjyoti dated 01st June 2016. Copies of the news paper clippings have been submitted to the Regional Office of the MoEF&amp;CC immediately after the grant of Environment Clearance with in seven days.</p>
15	<p>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.</p>	<p>Date of final approval of the project - 26.05.2016 and their is no land development work as as the propsed project expansion is based on the process optimization.</p>



# HARISH OBEROI & ASSOCIATES

## CHARTERED ACCOUNTANTS

H.O. : # 2443, Near Jain Janj Ghar, Ropar - Punjab

Branch : A-4F, Ist Floor, Big B Complex, Above HDFC Bank, Baddi (H.P.)

Ph. : 98556-22718, 83601-75769, 78372-00999, 83519-82718 | E-mail : oberoiharish@yahoo.com

This is certified that Ambuja Cement Foundation Ropar has incurred the expenditure for following CSR activities of last five year as mentioned below:-

S.No.	Programme /Activity	2016-17	2015-16	2014-15	2013-14	2012-13
1.	Agro based livelihood hood(Agriculture, Animal Husbandry and non-conventional energy)	1999462	2242950	1806000	1470372	5156381
2.	Health & Sanitation	621567	595000	203100	247081	518862
3.	HIV-AIDS	5978696	7182000	5780000	227339	5000065
4.	Education Development (Special Education for mentally challenged children)	4041079	3937750	3830000	1794125	3344797
5.	Women & Youth development Programme	520268	494000	227000	185712	302084
6.	Integrated community development programme	2956788	2707500	2300000	2725257	4686550
7.	Water Resource Development/Renewable Energy	150000	1520000	1125000	255090	0
8.	Co-ordination & administration Expenses(Staff salary & other miscellaneous expenses)	5356392	5649650	5287000	4664784	3857263
9.	Capital Expenditure	33996	-	-	49087	59203
	<b>Grand Total</b>	<b>21658248</b>	<b>24328850</b>	<b>20558100</b>	<b>11618847</b>	<b>22925202</b>

Dated 10.07.2017

Place Ropar

For HARISH OBEROI & ASSOCIATES

CHARTERED ACCOUNTANTS



[PARTNER]

**Proposed Expenditure of Ambuja Cement Foundation Ropar for following CSR activities of next four years as motioned below:**

S. No.	Programme / Activity	1 <sup>st</sup> Year (2017-18)	2 <sup>nd</sup> Year (2019-20)	3 <sup>rd</sup> Year (2021-22)	4 <sup>th</sup> Year (2022-23)
1	Agro Based Lively hood (Agriculture, Animal Husbandry & Non - Conventional Energy)	2802458	3082704	3390974	3730071
2	Health and Sanitation	739860	813846	895231	984754
3	HIV/AIDS	0	0	0	0
4	Education Development (Special Education for Mentally Challenged Children)	5851572	6436729	7080402	7788442
5	Women and Youth Development Programme	1125190	1237709	1361480	1497628
6	Integrated Community Development Programme	3300000	3630000	3993000	4392300
7	Renewable Energy	3894000	4283400	4711740	5182914
8	Co-ordination & administration Expenses (Staff Salary and Other Miscellaneous expenses)	6922300	7614530	8375983	9213581
9	Capital Expenditure	0	0	0	0
Grand Total		24635380	27098918	29808810	32789690