

# Ambuja Cement

REF: ACL /RPR/UH/ENV/UH/2019/10

27 June 2019

Environmental Engineer

Punjab Pollution Control Board

Plot No-55, Sector 54 ,Phase-II, Near Bassi Theatre

SAS Nagar (Mohali) Punjab

119

**Subject: Submission of Half Yearly Environmental Clearance Compliance Report**

Dear Sir,

With reference to your letter No. CSA/2018/770 dated 18.12.2018 regarding grant of Environmental Clearance by SCA -Cum- SAC, we are submitting the compliance report of the conditions of Environmental Clearance and compliance status of conditions stipulated Consent to Operate Under Air Act 1981 ,Water Act 1974 and Hazardous Waste Authorization.

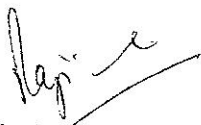
We are also enclosing Compliance report of E.C. granted by MoEF&CC New Delhi for proposed expansion capacity of 3.4 MTPA.

Kindly acknowledge the receipt of the same.

Thanking You.

Yours Faithfully,

For AMBUJA CEMENTS LTD.



Rajiv Jain

Sr Vice President

Encl: As above

CC: Director ,Ministry of Environment, Forests & Climate Change,

Northern Regional Office, Bays No. 24-25, Sector: 31-A ,

Dakshin Marg, Chandigarh-160030

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AMBUJA CEMENTS LIMITED

(Unit Ropar)

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(Regd. Off. : P. O. Ambuja Nagar, Taluka - Kodinar, Distt. Gir Somnath, Gujarat - 362 715)

CIN: L28942GJ000001

# Ambuja Cement

## Legal Compliance Status ENVIRONMENT

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 2019 - 30 June 2019

#### 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> , NO <sub>x</sub> 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 incurred approx. Rs 75 Lakhs. Emissions of SO <sub>x</sub> , NO <sub>x</sub> is not applicable. However the same is applicable to our Captive Power plant. Storm water management system in the plant has been completed.
3	Efforts shall be made to achieve power consumption of 70 units for Portland Pozzolana Cement (PPC) and 95 units /ton for Ordinary Portland Cement (OPC) production and thermal energy consumption 670 K cal/Kg of Clinker.	This is cement grinding unit the same is not applicable, however we have setup our internal target of power consumption of cement product is 36.5 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.	One Continuous Ambient Air quality Monitoring Station installed. Six manual stations insatied for SO <sub>2</sub> , NO <sub>2</sub> and PM <sub>2.5</sub> , PM <sub>10</sub> . 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> <ul style="list-style-type: none"> <li>* 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.</li> <li>* 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.</li> <li>* Three automatic road swweeping machines are already deployed to control the fugitive emissions and good housekeeping is being maintained for controlling secondary fugitive dust emissions.</li> </ul> <p>Requisite data / information / monitoring data are being submitted to Regional Office, MoEF&amp;CC</p> <p>* Improving sealing arrangement in belt conveyors.</p> <p>* We have installed the wheel cleaning system(dry) for control of fugitive emissions in the month Year 2018.</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.	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. * Dry Fly ash is being received by pneumatic pipe line from near by Guru Govind Singh Super Thermal Power Plant. * Transport vehicles are periodically checked for Pollution Under Control certificate from approved RTA agencies. * 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. * Also we have also provided the wind wall across the raw material yard for controlling the fugitive emissions . * The approaching road towards raw material yard has been concreted for arresting fugitive emissions
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.	Additional Collection Tank is constructed to collect the rain water in plant area and same is being used for cooling purpose in the plant . Further we shall augment rain water harvesting capacity of the tanks before end of year 2018.
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.	More than 33 % green belt developed in year 2018. Certificate of Green Cover duly vetted by DFO vide letter No 10295 dated: 10.01.2019. In the year 2019 we have planned various varieties of sapling for further green belt development.
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. Further we shall make more efforts to employ females in the office /plant.

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 we have incurred more than 2.5 % of the project cost, i.e. Rs 45.53 Lakhs has already been earmarked and spent for environmental protection in year 2016-2017. Also Rs 38.94 Lakh under environmental opex & Rs 64.21 Lakh under environmental Capex has been incurred in year 2018.
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 . CSR arm of ACL i.e Ambuja Cement Foundation has made efforts to declare nearby village 100% ODF. Mass awareness program being organised on swatch bhatarabhiyan, Bio composting etc. We have installed Organic waste converter plant capacity 400 kg/day for treating kitchen waste & horticultural waste into organic manure. Foundation has made efforts to declare nearby village 100% ODF. Mass awareness program being organised on swatch bhatarabhiyan, Bio composting etc. We have installed Organic waste converter plant capacity 400 kg/day for treating kitchen waste & horticultural waste into organic manure.
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 . Up to 25 June 2019 - 408 has been installed in the plant and colony before 30 June 2019. 2017-LED-280 Nos installed in the plant and colony 2016-LED-63 Nos installed in the plant and colony
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 form of temporary structures to be removed after the completion of the project.	In the proposed expansion no construction activity is being proposed however before commissioning of the plant in 1995 we have provided housing with all necessary infrastructure to the labourer.
<b>GENERAL CONDITIONS</b>		
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 (MoEF&CC).	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/PCB 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 from 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 January 2019 is available with the industry.
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 .however two structures has already been completed at villages Munguwal & Chakarma. Roof top rainwater harvesting and recharge structure in the plant project area constructed in year 2018-2019.
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. The CSR Expenditure occurred in the year 2018 -2019 in varius heads the record is avaiible with project proponent.
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 2018 -2019 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	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 MOEF&CC 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.	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 twice in year. 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.
12	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&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.	Six monthly compliance reports in respect of Post Environment Clearance Monitoring (Rule 10 of EIA Notification, 2006, dated 14.09.2006) has been submitted regularly to regional punjab pollution control board regional MoEF&CC Office .
13	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&CC at Chandigarh by e-mail.	Annual Environment Statement is regularly sent to the PPCB. After in addition, a copy of the statement has been uploaded on the company's website. Last Annual Environment statement for the year 2017-2018 has been submitted on 24 Sept 2018.
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 SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MOEF&CC) 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.	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&CC immediately after the grant of Environment Clearance with in seven days.
15	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.	Date of final approval of the project - 26.05.2016 and their is no land development work as as the proposed project expansion is based on the process optimization. We have taken approval for SAC from Punjab Pollution Control Board .The CTE ,CTO under Air Act 1981 and water Act 1974 for the capacity 3.4 MTPA from PPCB granted .

**STATUS OF OBSERVATIONS SITE CLEARANCE FROM ENVIRONMENTAL ANGLE AS REQUIRED UNDER PRESS NOTE 17 (1984 SERIES) BY SCA-CUM-SAC VIDE LETTER NO CSA/2018 /770 DATED 18.12.2018 FOR CAP. ENHANCE FROM 2.5 MTPA TO 3.4 MTPA.**

Half Yearly Compliance Status for the period (1 Jan 2019 to 30 June 2019)		
Sr. No	CONDITION	COMPLIANCE STATUS AS ON 30.06.2019
1	This clearance is only for enhancement of production of cement grinding unit from 2.5 Million Tonns per Annum (MTPA) to 3.4 MTPA by process optimization and there will be no increase in plant & machinery / land area.	Noted & will be complied.
2	The industry shall ensure the compliance of the conditions of Environmental clearance granted to it by Ministry of Environment & Forest & Climate Change vide No. F.No.J-11011/146/2012-1A II (I) dated 26 May, 2016.	The compliance status of same is already being submitted to Punjab Pollution Control Board and Regional MoEF&CC Chandigarh.
3	The industry shall achieve the revised emissions standards prescribed by Ministry of Environment & Forest & Climate Change vide notification No. GSR 496 (E) dated 09/05/2016 for cement grinding units.	Revised emissions norms are being adhered.
4	The Industry shall be bound to comply with any and all the orders passed in appeal No. 50 of 2016 titled Sh. Rajinder Singh Vs Union of India before the Hon'ble NGT, New Delhi.	Final recommendations of the NGT appointed Committee will be complied.
5	The industry shall obtain NOC from pollution angle for its enhanced project.	Application for CTE is being submitted.
6	The Industry shall take the additional adequate & appropriate pollution control measures for its enhanced project so as to achieve the prescribed effluent /emission standards at all the times.	Appropriate Pollution Control Measures are being taken to achieve the Prescribed Effluent / Emission Standards.
7	The industry will conduct all the reactions in the closed vessels.	This is cement industry and same is not applicable. However our cement manufacturing process having no chemical reaction and it is closed circuit cement grinding process .
8.	The industry will modify its On-Site Emergency Plan, Health and Safety Policy, if there is any change in the organization.	Being Maintained.
9	The industry will provide fire extinguisher equipments as required under rule 66 of the Punjab Factory Rules, 1952.	Being Complied
10	The industry shall comply with the provisions of Factory Act, 1948 and Punjab Factory Rules, 1952.	Being Complied
11	The industry will provide proper personal protective equipments to the workers, working in the plant.	Being Complied
12	The industry will educate the workers and the people in the vicinity about hazards that can arise from the factory	Being Complied
13	The industry will carry clinker and gypsum by closed conveyors.	The raw material clinker and gypsum is being carried through covered conveyors.
14	The industry shall store fly ash in closed silos and carry the same by closed conveyors.	We are already storing Dry Fly Ash in the closed Silos.
15	The industry shall install bag filters of high efficiency at all the sources of dust and fumes.	We have installed high efficiency bag filters at all the required locations.

16	The industry shall ensure that the concentration of dust in the work area does not exceed the limit fixed under the Second Schedule of the Factories Act, 1948.	Being Complied.
17	The industry shall recycle all the dust collected from Air Pollution Control Devices,.	All the dust collected is being recycled into the production process.
18	The Industry will take all measures to control environmental pollution.	Being Complied.
19	The industry shall submit compliance report of the conditions of approval of site to Director of Factories, Punjab before the commissioning of its project.	Compliance Report will be submitted to Director of Factories, Punjab before the commissioning of its project.
20	The industry shall be inspected after commissioning of its proposed project to monitor the compliance of conditions of approval of site.	Agreed
21	The building plans of the factory shall be submitted to the Director of Factories, Punjab before starting the construction.	Since Capacity expansion is being done with process optimization, no new construction is involved.
22	The plant will be operated under the supervision of experienced & qualified person.	The plant is operated under the experienced and qualified Persons.
23	The site of the industry falls in block Ropar, District Ropar, which is declared as safe block by the Dynamic Groundwater Resources of Punjab State (as on 31st March 2013). The industry will ensure to renew the NOC (which is valid for two years) granted by the Centre Ground Water Authority (CGWA) for use of groundwater.	Will be renewed timely.
24	The entrepreneur will recharge 4,00,000 m3/year in the groundwater as per the guidelines mentioned in the NOC granted by CGWA.	Due to high water table, the project site is under safe zone. However we are collecting rain water at Captive Power Plant, One roof top rain water collection & recharging is being done in the Colony. Further One Check Dam has been constructed in village Mangoowal and two in village Chakarma to take care of this where water table is low.
25	The entrepreneur will adhere to the pollution control norms of water & soil fixed by Punjab Pollution Control Board and will comply with the undertaking given by it to the Department of Agriculture.	Will be complied.
26	The entrepreneur will comply with the conditions in letter & spirit as mentioned in the NOC granted by CGWA.	The conditions are being complied.
27	The entrepreneur will deposit Rs. 1,43,000 with Chief Town Planner, Punjab as processing fee, immediately.	Rs. 143000/- has been deposited vide Diary. No 5977 dated 31/12/2018 with Chief Town Planner Punjab.
28	The entrepreneur will strictly follow the norms laid down by Central Pollution Control Board and Punjab Pollution Board, Waste materials should be stored at an appropriate place in factory well covered rooms and disposed through State's Common Hazardous Waste Disposal Facility.	Being Complied.
29	The proposed industry should not pose any health hazard to the people residing in the surround areas.	Agreed and will be complied.
30	The workers and the people in the vicinity should be informed about the Hazards involved and methods to be adopted to prevent the harmful effects, if any,	Being Complied

31	First aid Centre & Occupational Health Centres should be provided, as per requirement, to combat and manage health hazards from the processes.	Being Complied
32	No harmful bye product should be allowed to be disposed off outside the plant to keep the surrounding environment free from hazardous effects like wastage.	Being Complied
33	Name and connecting telephone numbers of nearby health institutions should be displayed on the board and made known to all concerned in the vicinity of plant also.	Being Complied
34	SPM (Suspended Particulate Matter) should not be more than the prescribed limit at any stage to avoid exposure to the people in the vicinity.	Being Complied
35	Periodic inspection by the competent authority of the health department will be undertaken for the enforcement of the stipulated conditions given above. Appropriate action under rules will be taken on infringement of these conditions,	Agreed and will be Complied
36	The entrepreneur will make adequate fire fighting arrangements as provided in the Part-IV of the National Building Code 2016, Indian Standard Code and as per the advice of the concerned Fire Officer and will obtain fire safety certificate from the Concerned Fire Officer, before commissioning of the Project.	Agreed and being Complied
37	The entrepreneur will comply with the conditions of the environmental clearance earlier granted to the Industry under Press Note 17 (1984 series)	Agreed and will be Complied
38	This site clearance is granted under the Factories Act, 1984 and the rules framed there-under as amended from time to time. The industry will obtain clearances/approvals from other concerned departments under any other Act/rules, if need be.	Agreed and Noted.
39	This site clearance does not preclude the institution of any legal action nor relieve the applicant from any responsibilities or penalties to which the applicant is or may be subjected under the provisions of Factories Act or any other Act/rules.	Agreed and noted.
40	This site clearance is valid for a period of five years from the date of its issuance.	Agreed and noted



# Ambuja Cement

## Legal Compliance Status

Consent to Establish'(NOC) for Expansion of an existing industrial unit u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981. Vide Certificate No : CTE /Exp /RPN/2019/9226978 Dated 26/03/2019

Compliance Status as on 30 June 2019

### A. GENERAL CONDITIONS

Sr. No	Condition	Compliance Status
1	The industry shall apply for consent of the Board as required under the provision of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Authorization under Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016, two months before the commissioning of the industry.	Noted & Agreed .The CTE ,CTO under the provision of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Authorization under Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 being granted for capacity 3.4 MMTPA.
2	The industry shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipments etc. which are likely to cause environmental pollution.	All the arrangement & provision being made in the industry for any type of accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipments etc. Onsite emergency plan available with industry.
3	The Industry shall apply for further extension in the validity of the CTE at least two months before the expiry of this CTE, if applicable.	Noted & Agreed
4	The industry shall comply with any other conditions laid down or directions issued by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 from time to time.	Noted & Agreed. Also SAC Approval has been taken for capacity expansion 3.4 MTPA .
5	The project has been approved by the Board from pollution angle and the industry shall obtain the approval of site from other concerned departments, if need be	Being Complied
6	The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952.	Being Complied.
7	The industry shall put up display board indicating the Environment data in the prescribed format at the main entrance gate.	Environmental data being displayed in electronic board at factory main gate
8	The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets.  Specifications of the port-holes shall be as under:	Stack height meets the PPCB norms. Suitable stack height has been provided to all air pollution control equipments as per the norms fixed by the Punjab Pollution Control

The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter ( $D_e$ ) shall be calculated from the following equation to determine upstream, downstream distance:  $D_e = 2 LW/(L+W)$  Where L= length in mts. W=Width in mts.  
The sampling port shall be 7 to 10 cm in diameter .

Board.

9

The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

(i) stack height for boiler plants

S.NO. Boiler with Steam Generating Capacity Stack heights

Sr. No	Boiler with Steam Generating Capacity	Stack heights
1	Less than 2 ton/hr	9 meters or 2.5 times the height of neighbouring building whichever is more
2	More than 2 ton/hr. to 5 ton/hr	12 meters
3	More than 5 ton/hr. to 10 ton/hr	15 meters
4	More than 10 ton/hr. to 15 ton/hr	18 meters
5	More than 15 ton/hr. to 20 ton/hr	21 meters
6	More than 20 ton/hr. to 25 ton/hr	24 meters
7	More than 25 ton/hr. to 30 ton/hr	27 meters
8	More than 30 ton/hr	30 meters or using the formula $H = 14 Q_g^{0.3}$ or $H = 74 (Q_p)^{0.24}$ Where $Q_g$ = Quantity of SO <sub>2</sub> in Kg/hr. $Q_p$ = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

For higher KVA rating stack height H (in meter) shall be worked out according to the formula

Capacity of diesel generating Set		Height of the stack
0-50 KVA	Height of the Building	+1.5 mt
A	-do-	+2.0 mt.
100- 150 KVA	-do-	+ 2.5 mt.

Suitable stack height have been provided to all air pollution control equipments as per the norms fixed by the Board. We have provided stacks provision with sampling arrangement in the entire bag filter & ESP in the cement plant and captive power plant.

The Boiler stack height meets the PPCB norms. Boiler stack height is 80 mtr from ground level.

	<table> <tr> <td>150-200 KVA</td><td>-do-</td><td>+3.0 mt.</td></tr> <tr> <td>200-250 KVA</td><td>-do-</td><td>+3.5 mt.</td></tr> <tr> <td>250-300KVA</td><td>-do-</td><td>+3.5 mt.</td></tr> </table> <p>For higher KVA rating stack height H (in meter) shall be worked out according to the formula:  <math>H = h + 0.2 (KVA)^{0.5}</math> where h = height of the building in meters where the generator set is installed.</p>	150-200 KVA	-do-	+3.0 mt.	200-250 KVA	-do-	+3.5 mt.	250-300KVA	-do-	+3.5 mt.	
150-200 KVA	-do-	+3.0 mt.									
200-250 KVA	-do-	+3.5 mt.									
250-300KVA	-do-	+3.5 mt.									
10	The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.	Being Complied									
11	<p>The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.</p> <p>Once in year for small Scale Industries.  Four in a Year for Large Medium Scale Industries.</p> <p>The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month</p>	<p>The DG stack height provided as CPCB guidelines.</p> <p>We are having the CPP of 2X15 MW capacity &amp; our requirement is 15.8 MW. We are connected with the Grid also. We had installed 1250 KVA capacity DG set just to provide lighting load in case of black out. Generally it is not at all happening in our case as we are always connected with grid. Sampling port have been provided at all the stacks.</p>									
12	The industry shall provide flow meters at the source of water supply, at the outlet of effluent treatment plant and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th day of the following month.	Flow meter being provided at the source of water bore well and at ETP treated water reading will be submitted to PPCB every 5 <sup>th</sup> of following Month. Also we are already submitting the energy meter reading data of ETP to PPCB every 5 <sup>th</sup> of following Month									
13	<p>The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:</p> <p>(i) Once in Year for Small Scale Industries.  (ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries..</p>	Being Complied									
14	The pollution control devices shall be interlocked with the manufacturing process of the industry.	<p>We have interlocked the online stack emission data with the manufacturing process in case it exceed the prescribed norms the same will be stopped.</p> <p>Our trade effluent not generates continuously. The effluent generates in the power plant based on the</p>									

		<p>blow down being given in the cooling tower and boiler in boiler at least once in three day and for half hour on daily basis .Hence effluent generates from various sources like cooling tower blow down , Boiler blow down ,DM plant Effluent and softening plant effluent comes in the two effluent storage tank . Thereafter it feed to ETP and based on the effluent quantity we run the effluent treatment plant once in two day .Hence the same is not link with manufacturing process. Similarly we run the STP in two shift and in third shift because of less quantity as per plant full capacity design we operate one sludge circulation pump in the night shift for continuous circulation for bacterial survival .Hence same is not linked with manufacturing process.</p>
15	The Board reserves the right to revoke this "consent to establish" (NOC) at any time, in case the industry is found violating any of the conditions of this "consent to establish" and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.	Noted & Agreed
16	The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per acre along the boundary of the industrial premises.	More than 33 % green belt developed in year 2018 .Certificate of Green Cover duly vetted by DFO vide letter No 10295 dated.10.01.2019 . We will plant sapling in coming time to strengthen the green belt as much as possible
17	The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.	Noted & Agreed
18	The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.	Noted & Agreed
19	Nothing in this NOC shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or	Noted & Agreed

	may be subjected under this or any other Act.	
20	The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except. Where unavoidable to prevent loss of life or some property damage or Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.	Noted & Agreed
21	The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.	Noted & Agreed
22	The industry shall comply with the conditions imposed if any by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.	Noted & Agreed
23	The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.	The fly ash generated from Captive Power Plant (CPP) is in dry form and same is being used in the cement plant for manufacturing of cement.
24	The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991	We are already covered under Public Liability Insurance (PLI) Act, 1991 and same is being renewed time to time. The renewal copy of PLI is available with the Department.
25	The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable..	Being Complied
26	The industry shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area, if applicable	All necessary arrangement are made in the industry for adequate air pollution control arrangements for control emission from its coal/fuel handling area. The Dust suppression system provided in the coal yard and Bio Mass is stored in the covered shed and wind sheeting provision being provided in the Bio mass Storage yard and other materials storage yard.
27	The Industry shall comply with the code of practice as notified by the Government / Board for the type of Industries where the siting guidelines / code of practice have been notified.	Noted & Agreed
28	Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner so as to prevent any pollutants from such materials from entering into natural water.	ETP Sludge being generated from ETP being disposed to Punjab Pollution Control Board approved TSDFs Site Nimbua.
29	The industry shall submit a detailed plan showing therein, the distribution system for conveying waste waters for application on	Not Applicable.



	land for irrigation along with the crop pattern to be adopted throughout the year	
30	The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw	Noted & Agreed
31	The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the NOC and shall not carry out any expansion without the prior permission/NOC of the Board.	Noted & Agreed
32	All amendments/revisions made by the Board in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.	Noted & Agreed Appropriate Pollution Control Measures are being taken to achieve the Prescribed Effluent / Emission Standards.
33	The industry shall not cause any nuisance/traffic hazard in vicinity of the area.	Noted & Agreed
34	The industry shall maintain the following record to the satisfaction of the Board : Log books for running of air pollution control devices or pumps/motors used for it. Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air. Register showing the stock of absorbents and other chemicals to be used for scrubbers.	The data available with Industry & being maintained
35	The industry shall ensure that there will not be significant visible dust emissions beyond the property line	Noted & Agreed and being Complied.
36	The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, if applicable.	Two piezometer wells constructed with online piezometer tele recorder. Also the data of ground water quality being monitored from NABL Accredited laboratory and reported to regional office CGWA Chandigarh.
37	The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry.	Being Provided and same is being inspected /Monitored by Punjab Pollution Control Board during their quarterly inspections.
B	SPECIAL CONDITIONS :	
1	The industry shall increase in production of cement from 2.5 MTPA to 3.4 MTPA without installation of any additional machinery and acquiring any additional land, but by taking only following initiatives: (a) Changing the feeding mechanism of fly ash to the discharge end of the mill instead of feeding it to the mill inlet for manufacturing of PPC cement. (b) Shortening the length of first chamber of all the four grinding mills by one meter. (c) Making change in the grinding media pattern. (d) Providing automation online packaging for cement mill operations. (e) Use of performance improvers. (f) Increase in percentage of fly ash in the cement.	Being Complied
2	The industry shall be bound to ensure the compliance of all the	We have complied all the

	observations raised by the committee constituted by the Hon'ble NGT and submit the compliance of all the observations to the Board within two months.	recommendations given by the NGT committee .The compliance report of same has been verified at project site by NGT Committee visited in the month of March 2019. The final report of NGT Committee awaited.
3	The industry shall maintain the following record to the satisfaction of the Board :- Log books for running of air pollution control devices or pumps/motors used for it. Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air. Register showing the stock of absorbents and other chemicals to be used for scrubbers.	Being Complied
4	The industry shall comply with the standards laid down by the CPCB vide notification no. GSR 612 (E) dated 25.8.2014, GSR-496 (E) dated 9.5.2016 and GSR-497 (E) dated 10.5.2016. .	Not Applicable
5	The industry shall comply with the conditions imposed in the site clearance granted under section 41 (A) of the Factories Act, 1948 by the Department of Labour vide no. 335 dated 11.1.2019 and site clearance from environmental angle granted by the SCA-cum-SAC vide no. 770 dated 18.12.2018. granted by the recent of Laboured in the site .	Being Complied
6	The industry shall ensure the compliance of the order passed on 13.11.2018 by the Hon'ble NGT in appeal no. 50/2016 titled as Rajinder Singh & Others versus Union of India & Others.	Being Complied
7	The industry shall comply with the conditions of the environmental clearance granted to it vide no. J 11011/46/2012-IA II (I) dated 26/05/2016 by MoEF&CC, New Delhi, Govt. of India.	Being Complied
8	The industry will operate and maintain its Effluent Treatment Plant (ETP) and Sewage Treatment Plants (STPs) efficiently, so as to achieve the effluent standards, consistently as prescribed by the Board/ MoEF&CC from time to time.	Being Complied
9	The industry will operate and maintain its Air Pollution Control Devices (APCDs) efficiently, so as to achieve the stack emission standards, consistently as prescribed by the Board/ MoEF&CC from time to time.	Appropriate Pollution Control Measures are being taken to achieve the Prescribed Effluent / Emission Standards
10	The industry will not emit black smoke from its stacks under any circumstances. .	Noted & Agreed
11	The industry will not discharge any of its wastewater into any drain /choe/ nallah / river / inland surface water under any circumstances.	Noted & Agreed
12	The industry will obtain permission from Central Ground Water Authority (CGWA) for the abstraction of ground water.	Being Complied

# Ambuja Cement

## Legal Compliance Status ENVIRONMENT

Compliance Status of conditions stipulated in Vide Letter No : HMM/Fresh/RPN/2018/5565800 dated 01/01/2018 Valid up to 31/03/2022

### HAZARDOUS WASTE AUTHORIZATION

Half Yearly Compliance Report for the period of 1 Jan 2019 - 30 June 2019

S.No.	Conditions	Compliance Status
1	The authorized person shall comply with the provisions of the Environment (Protection) Act 1986 and the rules made there under.	All stipulations made by PPCB have been implemented and complied
2	The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State pollution control Board.	Noted and accepted
3	The person authorized shall not rent, lend, sell, dispose, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Board.	Noted and accepted
4	Any unauthorized change in personnel, equipment and working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.	Noted and accepted
5	The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillage, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.	We have already developed the onsite emergency plan and same has included the spillages of hazardous material as well as other chemicals. Also mockdrill being conducted after regular interval of time.
6	The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental damages due to Handling and Disposal of Hazardous waste and Penalty".	Noted and accepted
5	It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.	Noted and accepted
6	An application for the renewal of an authorization shall be made as laid down under these rules.	Noted and accepted
7	The occupier generating hazardous waste / operator of a facility for collection and storage of hazardous waste shall maintain records of such operations in Form-3.	Record of Hazardous waste generation and storage maintained in form-3 at site.

8	The occupier / operator if a facility shall send annual return to the Board in Form – 4 on or before 30 <sup>th</sup> day of June following to the financial year to which that return relates.	Point noted & same is being complied. Last return submitted on 29 <sup>th</sup> June 2018 to the Punjab Pollution Control Board( PPCB)
9	The authorized person shall report, about the accident which occurs at the hazardous waste storage site immediately to Board.	Point noted.
10	An occupier who is generating hazardous waste shall store his waste category wise on site in environmentally sound manner till its treatment.	Point noted and accepted. Hazardous waste have been stored on concrete floor inside a closed room category wise.
11	An occupier / generator shall not store hazardous waste in open ground. It must be stored in an isolated site away from plant operational area.	Hazardous waste have been stored on concrete floor inside a closed room approved by the Board.
12	The storage tank/container of the hazardous waste should be in good condition and made of (or lined with) an appropriate material which does not react with the waste contained in it and can withstand the physical and environmental conditions during storage and handling.	Used oil and grease stored in MS drums and ETP sludge sent for disposal to TSDF in HDPE bags as approved by the Board. The isolated room made for storage of hazardous waste and all drums and sludge stored on concrete floor.
13	The occupier generating hazardous waste shall mark each container holding hazardous waste with the marking "HAZARDOUS WASTE" both in English and Punjabi.	Point noted and same is being complied.
14	The storage area should be fenced properly and a sign Board indicating "DANGER" and 'HAZARDOUS WASTE' sign & nature of the waste shall be placed at storage site.	Storage facility is totally isolated and all signage's have been displayed.
15	The occupier generating hazardous waste shall provide the required safety devices like safety mask, goggles, hand-gloves, gum boots etc to the workers for handling the hazardous waste. The occupier shall impart training to the personnel / workers for handling and storage of hazardous waste.	Personal Protective Equipments have been provided to the workers as and when required. Trainings are provided to workers for handling and storage of hazardous waste.
16	There should be sufficient and efficient provision to avoid under ground water contamination from waste storage operations. The quality of ground water where the waste has been stored shall be monitored by the industry.	Used oil, used grease & ETP sludge are stored on concrete floor. The ground water quality is monitored on monthly basis. We have optimize the chemical consumption as we as oil and grease consumption and their is major reduction of hazardous waste due to
17	The occupier shall be responsible for any damage of life/or property during storage of his waste and will obtain Public Liability Insurance, wherever applicable.	Noted and accepted
18	The occupier and operator of a facility shall also be liable to reinstate or restore damaged or destroyed elements of the environment at his cost, failing which the occupier or the operator of a facility, as the case may be, shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by the State Pollution Control Board	Noted and accepted

19	The industry shall take steps wherever feasible, for reduction in hazardous waste generated or recycled or reused.	We are optimising our chemical consumption being used in ETP, oil & grease. Also, we are reducing leakage, spillages
20	The industry shall display on line data outside the main factory gate on display Board of size (6ft. x 4 ft) on quantity and nature of hazardous chemicals being used in the plant, Water & Air emissions and hazardous waste generated within the factory premises	We have connected Continuous ambient air quality data in year 2012 and Stack emission data including Particulate matter, SOx NOx parameters data in year 2015 on CPCB/SPCB server. Also stack on line data is available on electronic display board installed at Industry main gate & Ambient air quality monitoring data at the top Colony Continuous Ambient Air Quality Monitoring Station. .
21	The industry shall handle hazardous waste strictly in accordance with the provisions of hazardous waste (management handling and transboundary movement) Rule 2008 as amended in 2010 and guidelines issued by CPCB/MoEFCC, New Delhi.	Point noted and same is being complied.
22	Noncompetitive hazardous waste and material shall not be mixed in the storage container.	All hazardous wastes stored separately.
23	The occupier who is generating hazardous waste shall draw an emergency plan for on site storage of hazardous waste inside its premises.	The storage facility approved by Board for storage of hazardous waste. Dykes have been provided in and around the room. The Emergency Plan has made for on site storage of hazardous waste inside its premises.
24	The industry will dispose off hazardous waste to common storage, treatment and disposal facility/authorised recyclers as per the hazardous waste (management handling and transboundary movement) Rules 2008.	Point noted and same is being complied.
25	The authorization is subject to the conditions mentioned above and also to such conditions as specified in the hazardous waste (management and handling) Rules as amended from time to time framed under the environment protection act 1986.	Noted and accepted



Consent to Operate (CTO) u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 Vide Certificate No : CTOA /Varied /RPN/2019/9230271 Dated 25/03/2019

Half Yearly Compliance Status for the Period (1 Jan 2019 to 30 June 2019)

GENERAL CONDITIONS

Sr. No	Condition	Compliance Status
1	This consent is not valid for getting power load from the Punjab State Power Corporation Ltd. or for getting loan from the financial institutions.	Noted & Agreed
2	The industry shall apply for renewal /extension of consent at least two months before expiry of the consent.	Noted & Agreed
3	The industry shall not violate any of the norms prescribed under the Air (Prevention & Control of Pollution) Act, 1981, failing which, the consent shall be cancelled / revoked.	Noted & Agreed
4	The achievement of adequacy and efficiency of the air pollution control devices installed shall be the entire responsibility of the industry .	Appropriate Pollution Control Measures are being taken to achieve the Prescribed Effluent / Emission Standards. Revised emissions norms are being adhered.
5	The authorized fuel being used shall not be changed without the prior written permission of the Board.	Noted & Agreed
6	The industry shall not discharge any fugitive emissions. All gases shall be emitted through a stack of suitable height, as per the norms fixed by the Board from time to time.	Suitable stack height have been provided to all air pollution control equipments as per the norms fixed by the Board. We have provided stacks provision with sampling arrangement in all the bag filter in the cement plant and captive power plant and work has been completed in December 2017.
7	The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets. Specifications of the port-holes shall be as under: The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (De) shall be calculated from the following equation to determine upstream, downstream distance: $De = 2 LW/(L+W)$ Where L= length in mts. W=Width in mts. ii) The sampling port	Stack height meets the PPCB norms. Suitable stack height has been provided to all air pollution control equipments as per the norms fixed by the Board

	shall be 7 to 10 cm in diameter .																													
8	The industry shall put display Board indicating environmental data in the prescribed format at the main entrance gate.		Environmental data being displayed in electronic board at factory main gate																											
9	<p>The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.</p> <p><b>(i) stack height for boiler plants</b></p> <p><b>S.NO. Boiler with Steam Generating Capacity Stack heights</b></p> <table><tr><th>Sr . No</th><th>Boiler with Steam Generating Capacity</th><th>Stack heights</th></tr><tr><td>1</td><td>Less than 2 ton/hr</td><td>9 meters or 2.5 times the height of neighbouring building whichever is more</td></tr><tr><td>2</td><td>More than 2 ton/hr. to 5 ton/hr</td><td>12 meters</td></tr><tr><td>3</td><td>More than 5 ton/hr. to 10 ton/hr</td><td>15 meters</td></tr><tr><td>4</td><td>More than 10 ton/hr. to 15 ton/hr</td><td>18 meters</td></tr><tr><td>5</td><td>More than 15 ton/hr. to 20 ton/hr</td><td>21 meters</td></tr><tr><td>6</td><td>More than 20 ton/hr. to 25 ton/hr</td><td>24 meters</td></tr><tr><td>7</td><td>More than 25 ton/hr. to 30 ton/hr</td><td>27 meters</td></tr><tr><td>8</td><td>More than 30 ton/hr</td><td>30 meters or using the formula <math>H = 14 Q_g^{0.3}</math> or <math>H = 74 (Q_p)^{0.24}</math> Where <math>Q_g</math> = Quantity of SO<sub>2</sub> in Kg/hr. <math>Q_p</math> = Quantity of particulate matter in Ton/day.</td></tr></table> <p><b>Note : Minimum Stack height in all cases shall be 9.0 mtr.</b></p>		Sr . No	Boiler with Steam Generating Capacity	Stack heights	1	Less than 2 ton/hr	9 meters or 2.5 times the height of neighbouring building whichever is more	2	More than 2 ton/hr. to 5 ton/hr	12 meters	3	More than 5 ton/hr. to 10 ton/hr	15 meters	4	More than 10 ton/hr. to 15 ton/hr	18 meters	5	More than 15 ton/hr. to 20 ton/hr	21 meters	6	More than 20 ton/hr. to 25 ton/hr	24 meters	7	More than 25 ton/hr. to 30 ton/hr	27 meters	8	More than 30 ton/hr	30 meters or using the formula $H = 14 Q_g^{0.3}$ or $H = 74 (Q_p)^{0.24}$ Where $Q_g$ = Quantity of SO <sub>2</sub> in Kg/hr. $Q_p$ = Quantity of particulate matter in Ton/day.	<p>Suitable stack height has been provided to all air pollution control equipments as per the norms fixed by the Board. We have provided stacks provision with sampling arrangement in the entire bag filter &amp; ESP in the cement plant and captive power plant.</p> <p>The Boiler stack height meets the PPCB norms. Boiler stack height is 80 mtr from ground level.</p>
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(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

For higher KVA rating stack height H (in meter) shall be worked out according to the formula

Capacity of diesel generating Set		Height of the stack
0-50 KVA	Height of the Building	+1.5 mt
50-100 A	-do-	+2.0 mt.
100- 150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+3.0 mt.
200-250 KVA	-do-	+3.5 mt.
250-300KVA	-do-	+3.5 mt.

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$H = h + 0.2 (KVA)^{0.5}$  where h = height of the building in meters where the generator set is installed.

10

The pollution control devices shall be interlocked with the manufacturing process of the industry to ensure its regular operation.

We have interlocked the online stack emission data with the manufacturing process in case it exceed the prescribed norms the same will be stopped.

Our trade effluent not generates continuously. The effluent generates in the power plant based on the blow down being given in the cooling tower and boiler in boiler at least once in three day and for half hour on daily basis .Hence effluent generates from various sources like cooling tower blow down , Boiler blow down ,DM plant Effluent and softening plant effluent comes in the two effluent storage tank . Thereafter it feed to ETP and based on the effluent

		quantity we run the effluent treatment plant once in two day .Hence the same is not link with manufacturing process. Similarly we run the STP in two shift and in third shift because of less quantity as per plant full capacity design we operate one sludge circulation pump in the night shift for continuous circulation for bacterial survival .Hence same is not linked with manufacturing process.						
11	The existing pollution control equipment shall be altered or replaced in accordance with the directions of the Board, and no pollution control equipment or chimney shall be altered or as the case may be erected or re erected except with the prior approval of the Board.	Noted & Agreed						
12	The industry will provide canopy and adequate stack with the D.G sets so as to comply with the provision of notification No GSR-371 E dated 17-5-2002(amended from time to time) issued by MOEF under Environment (Protection) Act, 1986.	Being Complied						
13	The Govt. of Punjab, Department of Science, Technology & Environment vide its notification no.4/46/92 3ST/2839 dt. 29/12/1993 has put prohibition on the use of rice husk as fuel after 1.4.1995 except the following: - <b>"In the form of briquettes and use of rice husk in fluidized bed combustion. So the industry shall make the necessary arrangement to comply with the above notification."</b>	Noted & Agreed						
14	The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year.	Will be Complied						
15	That the industry shall submit a yearly certificate to the effect that no addition / up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.	Being Complied						
16	<div><div>a) The industry shall ensure that at any time the emission do not exceed the prescribed emissions standards laid down by the Board from time to time for such type of industry /emissions.</div><div>b) The industry shall ensure that the emissions from each stack shall conform to the following emission standards laid down by the Board in respect of the Industrial Boilers.</div></div> <table><tr><td>Steam Generating capacity A.</td><td>Steam Generating capacity B</td></tr><tr><td>Area upto 5 Km from the periphery of I and Class-II town</td><td>Other than 'A' class Other</td></tr><tr><td>Less than 2 ton/hr</td><td>800 mg/NM3 1200 mg/NM3</td></tr></table>	Steam Generating capacity A.	Steam Generating capacity B	Area upto 5 Km from the periphery of I and Class-II town	Other than 'A' class Other	Less than 2 ton/hr	800 mg/NM3 1200 mg/NM3	Appropriate Pollution Control Measures are being taken to achieve the Prescribed Effluent / Emission Standards. Revised emissions norms are being adhered..
Steam Generating capacity A.	Steam Generating capacity B							
Area upto 5 Km from the periphery of I and Class-II town	Other than 'A' class Other							
Less than 2 ton/hr	800 mg/NM3 1200 mg/NM3							

	<div> <div>2 ton to 10 ton/hr. 500 mg/NM3 1000 mg/NM3</div> <div>Above 10 ton to 15 ton/hr 350 mg/NM3 500 mg/NM3</div> <div>Above 15 ton/hr 150 mg/NM3 150 mg/NM3</div> </div>	
	All emissions normalized to 12% carbon dioxide	
17	The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, without any adverse effect on the environment, in any manner.	Being Complied
18	<p>The air pollution control equipments shall be kept at all time in good running condition and;</p> <ol style="list-style-type: none"> <li>1) All failures of control equipments.</li> <li>2) The emissions of any air pollutant into the atmosphere in excess of the standards lay down by the Board occurring or being apprehended to occur due to accident or other unforeseen act or event. Shall be intimated through fax to the concerned Regional Office as well as to the Director of Factories, Punjab, Chandigarh as required under rule 10 of the Punjab State Board for the Prevention and Control of Air Pollution Rules, 1983'.</li> </ol>	Noted & Agreed
19	The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.	More than 33 % green belt developed in year 2018 .Certificate of Green Cover duly vetted by DFO vide letter No 10295 dated.10.01.2019 . We will plant sapling in coming time to strengthen the green belt as much as possible
20	The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.	Being Complied
21	The industry shall comply with the conditions imposed by the SEIAAMOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.	Being Complied
22	<p>The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:</p> <ol style="list-style-type: none"> <li>(i) Once in Year for Small Scale Industries.</li> <li>(ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries.</li> </ol>	Being Complied
23	<p>The industry shall maintain the following record to the satisfaction of the Board :</p> <ol style="list-style-type: none"> <li>(i) Log books for running of air pollution control devices or pumps/motors used for it.</li> <li>(ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air. (iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.</li> </ol>	Being Complied
24	The industry will install the separate energy meter for running	Energy meter has been installed



	pollution control devices and shall maintain record with respect to operation of air pollution control device so as to satisfy the Board regarding the regular operation of air pollution control device and monthly reading / record may be sent to the Board by the fifth of the following month.	at STP & ETP the data of same is being reported to PPCB by the fifth of the following month. The data of other pollution control devices available with industry.
25	The industry shall provide online monitoring system as applicable, for in stack emission and shall maintain the record of the same for inspection of the Board Officers.	Noted & Agreed
26	The Board reserves the right to revoke the consent granted to the industry at any time, in case the industry is found violating the provisions of Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.	Noted & Agreed
27	The industry shall comply with any other conditions laid down or directions issued in due course by the Board under the provisions of the Air (Prevention & Control of Pollution) Act, 1981.	Being Complied
28	Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected to under this or any other Act.	Noted & Agreed
29	Any amendments/revisions made by the Board/CPCB/MOEF in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.	Noted & Agreed
30	The industry shall dispose off its solid waste generated by the burning of fuel in an Environmentally Sound Manner within the premises/outside as approved by the Board, to avoid public nuisance and air pollution problem in the area.	The fly ash generated from Captive Power Plant (CPP) is in dry form and same is being used in the cement plant for manufacturing of cement.
31	The industry shall ensure that no air pollution problem or public nuisance is created in the area due to the discharge of emissions from the industry.	Noted & Agreed
32	The industry shall provide adequate arrangement for fighting the accidental leakage/discharge of any air pollutant/gas/liquids from the vessels, mechanical equipment's etc, which are likely to cause environmental pollution	Being Complied
33	The industry shall not change or alter the manufacturing process(es) and fuel so as to change the quality/quantity of emissions generated without the prior permission of the Board.	Noted & Agreed
34	The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.	Noted & Agreed
35	The industry shall obtain and submit Insurance cover under the Public Liability Insurance Act, 1991.	We are already covered under Public Liability Insurance (PLI) Act, 1991 and same is being renewed time to time. The renewal copy of PLI is available with the Department.

36	The industry shall provide proper and adequate air pollution control arrangements for control emission from its fuel handling area, if applicable.	Being Complied We have installed high efficiency bag filters at all the required locations.
37	The industry shall comply with the code of practice as notified by the Government/Board for the type of industries where the siting guidelines / Code of Practice have been notified.	Noted & Agreed
38	The industry shall not cause any nuisance/traffic hazard in vicinity of the area .	Noted & Agreed
39	The industry shall ensure that the noise & air emission from D.G. sets do not exceed the standards prescribed for D.G. sets by the Ministry of Environment & Forests, New Delhi.	Being Complied
40	The industry shall ensure that there will not be significant visible dust emissions beyond the property line.	Being Complied
41	The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry.	Being Complied
42	The Industry shall ensure that its production capacity does not exceed the capacity mentioned in the consent and shall not carry out any expansion without the prior permission/NOC of the Board.	Noted & Agreed
<b>SPECIAL CONDITIONS</b>		
1	This consent is in supersession to the earlier consent granted to the industry under the Air Act, 1981 for production of 2.5 MTPA of cement, which is valid up to 31.3.2020	Noted & Agreed
2	The industry shall increase in production of cement from 2.5 MTPA to 3.4 MTPA without installation of any additional machinery and acquiring any additional land, but by taking only following initiatives: (a) Changing the feeding mechanism of fly ash to the discharge end of the mill instead of feeding it to the mill inlet for manufacturing of PPC cement. (b) Shortening the length of first chamber of all the four grinding mills by one meter. (c) Making change in the grinding media pattern. (d) Providing automation online packaging for cement mill operations. (e) Use of performance improvers. (f) Increase in percentage of fly ash in the cement.	Noted & Agreed
3	The industry shall be bound to ensure the compliance of all the observations raised by the committee constituted by the Hon'ble NGT and submit the compliance of all the observations to the Board within two months.	Being Complied  We have complied all the recommendations given by the NGT committee .The compliance report of same has been verified at project site by NGT Committee visited in the month of March 2019. The final report of NGT Committee awaited.

4	The industry shall comply with the standards laid down by the CPCB vide notification no. GSR 612 (E) dated 25.8.2014, GSR-496 (E) dated 9.5.2016 and GSR-497 (E) dated 10.5.2016.	Being Complied
5	The industry shall comply with the conditions imposed in the site clearance granted under section 41 (A) of the Factories Act, 1948 by the Department of Labour vide no. 335 dated 11.1.2019 and site clearance from environmental angle granted by the SCA-cum-SAC vide no. 770 dated 18.12.2018.	Compliance report will be submitted shortly.
6	The industry shall ensure the compliance of the order passed on 13.11.2018 by the Hon'ble NGT in appeal no. 50/2016 titled as Rajinder Singh & Others versus Union of India & Others.	Being Complied
7	The industry shall comply with the conditions of the environmental clearance granted to it by MoEF & CC, Govt. of India vide no. J-11011/46/2012-IA II (I) dated 26/05/2016.	Being Complied
8	The industry will operate and maintain its Air Pollution Control Device (APCD) efficiently, so as to achieve the stack emission standards, consistently as prescribed by the Board/ MoEF&CC from time to time.	Being Complied Appropriate Pollution Control Measures are being taken to achieve the Prescribed Effluent / Emission Standards. Revised emissions norms are being adhered.
9	The industry will not emit black smoke from its stacks under any circumstances.	Being Complied

# Ambuja Cement

## Legal Compliance Status

Consent to Operate (CTO) an Outlet u/s 25 /26 of Water (Prevention & Control of Pollution) Act, 1974  
Vide Certificate No: CTOW /Varied /RPN/2019/9230596 Dated 25/03/2019.

Half Yearly Compliance Status For the Period (1 Jan 2019 to 30 June 2019)

### GENERAL CONDITIONS

Sr. No	Condition	Compliance Status
1	This consent is not valid for getting power load from the Punjab State Power Corporation Limited or for getting loan from the financial institutions.	Noted & Agreed
2	The industry shall apply for renewal/further extension in validity of consent at least two months before expiry of the consent.	Noted & Agreed
3	The industry shall ensure that the effluent discharging through the authorized outlet shall confirm to the prescribed standards as applicable from time to time	Noted & Agreed
4	The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.	More than 33 % green belt developed in year 2018 .Certificate of Green Cover duly vetted by DFO vide letter No 10295 dated.10.01.2019 . We will plant sapling in coming time to strengthen the green belt as much as possible.
5	The achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/re circulation system installed shall be the entire responsibility of the industry.	Noted & Agreed
6	The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Wastes(Management, Handling and Trans boundary Movement) Rules, 2008 as amended time to time, without any adverse effect on the environment, in any manner	Noted & Agreed . The hazardous waste generated from Project site being disposed Punjab Pollution Control Board approved TSDFs Site Nimbua and approved recycler in the environmental sound technology manner. Also return being filed time to time.
7	The responsibility to monitor the effluent discharged from the authorized outlet and to maintain a record of the same rests with the industry. The Board shall only test check the accuracy of these reports for which the industry shall deposit the samples collection and testing fee with the Board as and when required.	Noted & Agreed
8	The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year.	Will be submitted to concern Regional Office by 30th June of every year.
9	The industry shall submit a yearly certificate to the effect that no addition/up-gradation/ modification/ modernization has been carried out during the previous year otherwise the	Half yearly compliance report being submitted to RO office along with compliance of conditions stipulated in

	industry shall apply for the varied consent.	EC, NOC & CTO under Air & Water Act.
10	During the period beginning from the date of issuance and the date of expiration of this consent, the applicant shall not discharge floating solids or visible form.	Noted & Agreed
11	Any amendments/revisions made by the Board in the tolerance limits for discharges shall be applicable to the industry from the date of such amendments/revisions	Noted & Agreed
12	The industry shall not change or alter the manufacturing process(es) so as to change the quality and/or quantity of the effluents generated without the written permission of the Board.	Noted & Agreed
13	Any upset conditions in the plant/plants of the factory, which is likely to result in increased effluent and/or result in violation of the standards lay down by the Board shall be reported to the Environmental Engineer, Punjab Pollution Control Board of concerned Regional Office immediately failing which any stoppage and upset conditions that come to the notice of the Board/its officers, will be deemed to be intentional violation of the conditions of consent.	Noted & Agreed
14	The industry shall provide terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking samples.	Noted & Agreed
15	The industry shall for the purpose of measuring and recording the quantity of water consumed and effluent discharged, affix meters of such standards and at such places as approved by the Environmental Engineer, Punjab Pollution Control Board of the concerned Regional Office.	Flow meter provided at the source of water bore well and at ETP treated water reading is being submitted to PPCB every 5 <sup>th</sup> of following Month. Also we are already submitting the energy meter reading data of ETP to PPCB every 5 <sup>th</sup> of following Month.
16	The industry shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.	Records of operation & chemical available with industry. Also the same being submitted to PPCB time to time.
17	The industry shall provide online monitoring equipment's for the parameters as decided by concerned Regional Office with the effluent treatment plant/air pollution control devices installed, if applicable.	Noted & Agreed
18	The pollution control devices shall be interlocked with the manufacturing process of the industry.	We have interlocked the online stack emission data with the manufacturing process in case it exceed the prescribed norms the same will be stopped. Our trade effluent not generates continuously. The effluent generates in the power plant based on the blow down being given in the cooling tower and boiler in boiler at least once in



		three day and for half hour on daily basis .Hence effluent generates from various sources like cooling tower blow down , Boiler blow down ,DM plant Effluent and softening plant effluent comes in the two effluent storage tank .Thereafter it feed to ETP and based on the effluent quantity we run the effluent treatment plant once in two day .Hence the same is not link with manufacturing process. Similarly we run the STP in two shift and in third shift because of less quantity as per plant full capacity design we operate one sludge circulation pump in the night shift for continuous circulation for bacterial survival .Hence same is not linked with manufacturing process.
19	The authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board.	Noted & Agreed
20	The industry shall comply with the conditions imposed by the SEIAA /MOEF in the environmental clearance granted to it as required under EIA notification dated 14/9/06, if applicable.	Noted & Agreed
21	The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.	We are already covered under Public Liability Insurance (PLI) Act, 1991 and same is being renewed time to time. The renewal copy of PLI is available with the Department.
22	The industry shall not use any unauthorised out let (s) for discharging effluents from its premises. All unauthorised outlets if any shall be connected to the authorised outlet within one month from the data of issue of this consent .	Noted & Agreed Being Complied
23	The industry shall make necessary arrangements for the monitoring of effluent being discharged by the industry and shall monitor its effluents <ol style="list-style-type: none"> <li>1. Once in Year for Small Scale Industries.</li> <li>2. Four in a Year for Large/Medium Scale Industries.</li> <li>3. The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.</li> </ol>	We are conducting performance study of ETP and STP Four time in a year from Punjab pollution control board /PPCB approved laboratory.
24	The industry shall provide electromagnetic flow meters at the source of water supply, at inlet/outlet of effluent treatment plant within one month and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th of the following month.	Already Provided .The report will be submitted to Regional office every 5 <sup>TH</sup> of the Month.
25	The Board reserves the right to revoke this consent at any time in case the industry is found violating any of the	Noted & Agreed

	conditions of this consent and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 as amended from time to time.	
26	The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.	Noted & Agreed
27	The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.	Noted & Agreed
28	Nothing in this consent shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.	Noted & Agreed
29	The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of septic tank.	We have two tank of capacity 400 m3 each for storage of trade effluent for two days and for domestic storage two tank of capacity 200 m3 each for holding two days .
30	The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except, (i) Where unavoidable to prevent loss of life or some property damage or (ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.	Agreed. The effluent is treated through Zero Liquid Discharge Effluent Treatment Plant and their ETP Sludge being disposed to Punjab pollution control board approved TSDF site Nimbua Zirkhpur and STP Sludge being utilize in horticulture and Ambuja Cement Foundation organic demo farm purpose.
31	The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.	Noted & Agreed
32	The industry shall comply with the code of practice as notified by the Government/ Board for the type of industries where the siting guidelines/ code of practice have been notified.	Noted & Agreed
33	Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner to prevent any pollutants from such materials from entering into natural water.	Noted & Agreed
34	The industry shall re-circulate the entire cooling water and shall also re-circulate/reuse to the maximum extent the treated effluent in processes.	Agreed ,we are treating trade effluent through ETP and domestic water through STP and around 100 -150 KLD being used in plant cooling process , dust suppression suppression , road dust suppression and horticulture purpose.
35	The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-	Agreed , We have two tank of capacity 400 m3 each for storage of trade

	circulation system/ effluent treatment plant.	effluent for two days and for domestic storage two tank of capacity 200 m3 each for holding two days .
36	The industry shall make proper disposal of the effluent so as to ensure that no stagnation occurs inside and outside the industrial premises during rainy season and no demand period.	Noted & Agreed
37	Where excessive storm water drainage or run off, would damage facilities necessary for compliance with terms and conditions of this consent, the applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.	Noted & Agreed
38	The industry shall submit a detailed plan showing therein the distribution system for conveying waste-water for application on land for irrigation along with the crop pattern for the year.	Noted & Agreed
39	The industry shall ensure that the effluent discharged by it is toxicity free.	Noted & Agreed
40	The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.	Being Complied
41	Drains causing oil & grease contamination shall will be segregated. Oil & grease trap shall be provided to recover oil & grease from the effluent.	Being Complied
42	The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, and the monitoring shall be submitted to the Environmental Engineer of the concerned Regional Office by the 5th of every month..	Two piezometer wells constructed with online piezometer tele recorder. Also the data of ground water quality being monitored from NABL Accredited laboratory and reported to regional office CGWA Chandigarh
43	The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the consent and shall not carry out any expansion without the prior permission/NOC of the Board	Noted and Agreed
<b>B. SPECIAL CONDITIONS</b>		
1	The industry shall increase in production of cement from 2.5 MTPA to 3.4 MTPA without installation of any additional machinery and acquiring any additional land, but by taking only following initiatives: (a) Changing the feeding mechanism of fly ash to the discharge end of the mill instead of feeding it to the mill inlet for manufacturing of PPC cement. (b) Shortening the length of first chamber of all the four grinding mills by one meter. (c) Making change in the grinding media pattern. (d) Providing automation online packaging for cement mill operations. (e) Use of performance improvers. (f) Increase in percentage of fly ash in the cement.	Being Complied

2	The industry shall be bound to ensure the compliance of all the observations raised by the committee constituted by the Hon'ble NGT and submit the compliance of all the observations to the Board within two months.	We have complied all the recommendations given by the NGT committee .The compliance report of same has been verified at project site by NGT Committee visited in the month of March 2019. The final report of NGT Committee awaited.
3	The industry shall comply with the standards laid down by the CPCB vide notification no. GSR 612 (E): dated 25.8.2014, GSR-496 (E) dated 9.5.2016 and GSR-497 (E) dated 10.5.2016.	Being Complied
4	The industry shall comply with the conditions imposed in the site clearance granted under section 41 (A) of the Factories Act, 1948 by the Department of Labour vide no. 335 dated 11.1.2019 and site clearance from environmental angle granted by the SCA-cum-SAC vide no. 770 dated 18.12.2018.	Compliance report will be submitted shortly.
5	The industry shall ensure the compliance of the order passed on 13.11.2018 by the Hon'ble NGT in appeal no. 50/2016 titled as Rajinder Singh & Others versus Union of India & Others.	We have complied all the recommendations given by the NGT committee .The compliance report of same has been verified at project site by NGT Committee visited in the month of March 2019. The final report of NGT Committee awaited.
6	This consent is in supersession to the earlier consent granted to the industry under the Water Act, 1974 for production of 2.5 MTPA of cement, which is valid upto 31.3.2022.	Now CTE ,CTO under Air Act and Water Act for varied capacity 3.4 MTPA has been granted in the month of March 2019.
7	The industry shall comply with the conditions of the environmental clearance granted to it by MoEF & CC, Govt. of India vide no. J-11011/46/2012-IA II (I) dated 26/05/2016.	The compliance status of same is already being submitted to Punjab Pollution Control Board and Regional MoEF&CC Chandigarh.
8	The industry shall comply with the guidelines of Central Ground Water Authority (CGWA) for the abstraction of ground water.	The condition stipulated in the permission is in implementation stage and compliance of same has been submitted to CGWA Chandigarh & New Delhi in February 2019.
9	The industry will operate and maintain its Effluent Treatment Plant (ETP) and Sewage Treatment Plants (STPs), efficiently, so as to achieve the effluent standards, consistently as prescribed by the Board/ MoEF&CC from time to time.	Being Complied
10	The industry will not discharge any of its wastewater into any drain / nallah/choe / river / inland surface water under any circumstances.	Being Complied