

Compliance Report of conditions of Environmental Clearance issued by MoEF, Govt. of India in favour of M/s Burnpur Cement Limited, Patratu Industrial Area, Dist- Ramgarh, Jharkhand.

Sl. No	Specific Conditions	Compliance
1.	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. The particulate emissions shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system. Electrostatic precipitators to clinker cooler, bag house to raw mill/ kiln and bag filters to coal mill and cement mill .Low NO _x burners should be provided to control NO _x emissions	On-line stack monitoring system installed and data is being transmitted to JSPCB and CPCB (Photographs Attached) Electrostatic precipitators to clinker cooler, bag house to raw mill/kiln and bag filters to coal mill and cement mill to meet the prescribed standards has been installed. However, Cement clinker of the unit is not in operation since June, 2016.
2.	Possibilities shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler (WHRB) and a feasibility report shall be prepared and submitted to the Ministry and its Regional Office at Bhubaneswar within 3 months from the date of issue of the letter.	As per the condition of plant it is not viable to install waste heat recovery boiler. Power is obtained form DVC to run mainly grinding section and other part of plant.
3.	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R.No.826 (E) dated16thNovember,2009 shall be followed.	Complied with
4.	Secondary fugitive emissions shall be controlled and shall be within the prescribed limit and regularly monitored. Guidelines I Code of Practice issued by the CPCB in this regard should be followed.	Complied with
5.	Efforts shall be made to reduce impact of the transport of the raw materials and end production the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be over loaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.	Complied with
6.	Total water requirement for cement plant shall not exceed 400m ³ /day. All the treated waste water 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 waste water shall be discharged out side the factory premises and 'zero' discharge should be adopted.	Total water consumption is less than 400m ³ /day. There is no need of water in process as the unit is based on dry process. Water is used in industrial cooling of cement plant. There is zero discharge from plant.
7.	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir	Provision of storage of rain water has been made in the plant. This storage water will be used for green belt development and dust suppression by sprinkling of water.

	should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	
8.	Regular monitoring of influent and effluent surface ,sub-surface and ground Water should be ensured and treated waste water should meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act which ever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB	There is no effluent generation from plant either industrial or domestic . In such case, there is no need of regular monitoring of effluent.
9.	All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process sand used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers/ reprocessors only.	Compiled with
10.	Efforts shall be made to use fly ash maximum in making Pozollona Portland Cemert (PPC)	In production of Portland Pozzolona Cement- fly ash has been mixed as per IS 1489:1991. Considering fly ash utilization the unit has started production of Portland Composite Cement in which maximum fly ash is used 15-35% as per IS 16415:2015.
11.	Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing .	The unit has started the manufacturing of Portland Composite Cement – in which slag and fly ash are used in higher proportion i.e. 15 to 35%
12.	An effort shall be made to use of high calorific hazardous waste in the cement kin and necessary provision shall be made accordingly .	As such there is no solid hazardous waste generation form the plant in cement manufacturing process.
13.	As proposed, green belt shall be developed in at least 33% area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	The plant area is of 60 acres of land which is allotted by the RIADAA. In the area Green belt is approximately 60% of the total are.
14.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.	Compiled with.
15.	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy-submitted to the Ministry's Regional Office at Bhubaneswar. SPCB and CPCB within 3 months of issue of environment clearance letter.	Now, Risk and Disaster Management Plan has been prepared and is being submitted to the concerned authorities.
16.	At least 5 % of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details	Corporate Social Responsibility is a continuous process and we are compiling it in respect of new company Act,2015.

	along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at 'Bhubaneswar'. Implementation of such program shall be ensured accordingly in a time bound manner	
17.	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, mobile STP, Safe drinking water, medical healthcare, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project	Adequate arrangements have been made for the workers staying in the factory premises.
Sl. No	General Conditions	Compliance
1.	The project authorities must strictly adhere to the stipulations made by the Jharkhand State Pollution Control Board and the State Government.	Complied with
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Complied with
3.	The gaseous emissions from various process units shall conform other load/mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The State Pollution Control Board. may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location	Complied with
4.	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, SO ₂ and NO _x 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 Bhubaneswar and the SPCB/ CPCB once in six months.	Air and Noise monitoring carried out as per specific conditions mentioned in Consent to Operate issued by JSPCB.
5.	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated Waste water shall be utilized for plantation purpose.	There is no industrial waste water is generated from the plant. The dry process is followed for the manufacturing of Cement.
6.	The over all noise levels in and around the plant area shall be kept well within the standards (85dBA) by providing noise control measures including acoustic hoods, silencers,	Complied with

	enclosures etc. on all sources of noise generation. The ambient noise levels shall conform the standards prescribed under EPA Rules, 1989 viz.75 dBA (daytime) and 70 dBA (nighttime).	
7.	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act	Complied with
8.	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Complied with
9.	The project proponent shall also comply with all the environmental protection measures and safe guards 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	Complied with
10.	As proposed Rs1333 crores and Rs.331 crores 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 and Forests as well as the State Government. An Implementation schedule for implementing all the conditions stipulated here in shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.	The unit has followed Environmental management Plan as per EIA/EMP. There is no diversion of fund which has been allowed for implementation of Environmental Management Plan.
11.	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 website of the company by the proponent.	Complied with
12.	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 at Bhubaneswar. 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 sector al parameters, indicated for the projects shall be monitored and displayed at a convenient	Complied with

	location near the main gate of the company in the public domain.	
13.	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, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions	Complied with
14.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent other respective Regional Office of the MoEF at Bhubaneswar by e-mail.	Environmental Statement for each financial year ending 31 st March in form-V are being submitted regularly to concerned authorities.
15.	The Project Propoent 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 and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local news papers that are widely circulated in the region of which one shall be in the vernacular languages of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.	Complied with
16.	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.	Complied with

For Burnpur Cement Ltd.,

Authorized Signatory

