



THE INDIA CEMENTS LIMITED
CHILAMKUR - 516 310.
YERRAGUNTLA MANDAL
KADAPA DISTRICT, A.P.
TIN No. : 37220189434
CST No. : PJT/02/1/2343/90-91
ECC No. : AA ACT 1728 PXM003
CIN : L26942TN1946PLC000931
Website : www.indiacements.co.in

STD (08563) 276150, 276302
FAX (08563) 276155
email : teleccp@sancharnet.in

ccp_gmoffice@indiacements.co.in

Date: 01.06.2020

To,
Additional principal Chief Conservator of Forest(C)
Government of India, Ministry of Environment & Forests
Regional Office (SEZ), Ist and IInd Floor,
Handloom Export Promotion Council,
34, Cathedral Garden Road,
Nungambakkam,
CHENNAI - 34.

**Sub: Enhancement of Cement Plant (Clinker from 4200 to 4500 TPD) at
Chilamkur, Yerraguntla Mandal, Y.S.R.District, A.P by M/s. The India
Cements Ltd -Regarding Environmental Clearance - Condition wise
Compliance.**

Ref: MoEF cl.It. No. J-11011 / 126 / 2011 - IA, II (1) dated 07.12.2012.

We give hereunder our condition wise compliance report on the conditions stipulated in Environmental Clearance accorded by Ministry of Environment & Forests to our above mentioned project.

A. Specific Conditions:

S.No	Conditions	Compliance
i	The company shall comply with all the conditions stipulated while granting environmental clearance and NOC for the existing plant.	Complied. We are complying the conditions stipulated in Environmental Clearance and NOC is obtained from APPCB. NOC obtained from Sarpanch of Chilamkur Grama Panchayat.
ii	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion, limit of SPM shall be controlled within 50 mg/Nm ³ by installing	Complied. On-line continuous stack monitoring facilities are provided for Raw mills & Kiln, Flyash dryer, Cement Mill-1 & 2, Cooler, Coal Mill and Roller Press stacks.

	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 shall be installed.	After expansion, we maintain SPM levels well below the present prescribed norms 30 mg/Nm ³ . Electrostatic precipitators to clinker cooler, bag house to raw mill/kiln and bag filters to coal mill and cement mill are already installed and in use.
iii	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 Bangalore within 3 months from the date of issue of the letter.	Got CFE for WHRB vide letter No. 220/APPCB/CFE/RO-TPT/HO/2014 dated 19/12/2018 and the project is about to start.
iv	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R.No.826 (E) dated 16 th November, 2009 shall be followed.	Complied. Ambient Air Quality parameters like PM 2.5, PM 10 are maintained as per the National Ambient Air Quality Standards issued by the Ministry. Ambient Air Quality parameters are monitored by Lawn Enviro associates and maintained within the standards prescribed by PCB. Reports are enclosed in Annexure I .
v	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard should be followed.	Complied. Fugitive emissions are being controlled by providing adequate Bag filters at required points; Roads are concreted; Mechanical water sprinklers and Road sweeping machine are being deployed to control secondary fugitive emissions.
vi	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be overloaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.	Complied. Roads are concreted. Road sweeping machines, water sprinklers, Rain Guns are provided / engaged at haul roads as well as in dust prone areas regularly. All the raw materials including fly ash are being transported in the closed containers and are not overloaded. Separate truck parking area is provided with cement concrete roads Vehicular emissions are being monitored regularly.
vii.	Efforts shall be made to further	Complied.

	<p>reduce water consumption by using air cooled condensers for bag house. 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 waste water shall be discharged outside the factory premises and 'zero' discharge should be adopted.</p>	<p>We have reduced water consumption by lower the hot gas temperature through process optimization. Provided drip irrigation system for greenbelt development and float valves for all tanks. As a result, specific water consumption in 2012-13 is 0.505 KL/MT & in 2019-20 it is bring down to 0.184 KL/MT . As close circuit system is being implemented. There is no process waste water generation. Hence, we adopt zero discharge.</p>
viii.	<p>Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.</p>	<p>Complied. Rain water harvesting pit developed at mine and arranged dedicated water pumping system to pump from mines to plant for process cooling and dust suppression which supply around 60-80% of the requirement. Balance water requirement only met from other sources. Apart from that we have developed 5 Nos. rain water harvesting pits at colony and collected water being used for dust suppression trough tankers.</p>
ix.	<p>Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever 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 Bangalore, SPCB and CPCB.</p>	<p>Complied. We are regularly monitoring the water from mines rain harvesting pits and other water sources such as bore well through an authorised third party i.e. Lawn Enviro Associates to ensure norms prescribed by State Pollution Control Board. Leachate study was not done as we don't have effluent generation.</p>
x.	<p>All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers/reprocessors only.</p>	<p>Complied. Dust collected from Bag filters at various sections is being recycled and reused in the process of cement manufacturing. Used oil, Lead Acid batteries are being disposed through the agencies - "SRI SRINIVASAA LUBRICANTS ", "Z ENVIRO INDUSTRIES PVT. LTD" who are authorised by APPCB and</p>

		valid registration of MOEF, GOI.
xi.	Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.	Complied. Low grade limestone is genuinely used as per process requirements. In manufacturing process of Pozzolana Portland Cement we are using Fly ash. The dust collected in the APCS is being recycled into the process. Hence there is no solid waste generation in the process.
xii.	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly.	Complied. High calorific hazardous waste generated from the DG set is being used as fuel in the Cement Kiln as and when DG set is being operated (on emergency basis). However, there is no generation for the past few years.
xiii	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.	Complied. About 45.0 % i.e 262.92 Acres of the plant and colony area has already covered with green belt with variety of species like Cashurina, Neem, Ganuga, Teak, Almond, Subabul, Gulmohar, Dirisana, Neredu, Kunkudu, Velaga, Raavi, Dubai Plant etc., to mitigate the effects of air emissions in consultation with local Authorities.
xiv.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.	Complied. All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plants are being implemented.
xv.	Atleast 5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on earlier Public Hearing issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program shall be ensured accordingly in a time bound manner.	Complied. We prepared time bound action plan for implementation of Enterprise Social Commitment every year. In year 2019-20, we have spent around Rs. 34.76 Lakhs on the account of CSR activities.

B. General Conditions:


S. No	Conditions	Compliance
i.	The project authorities must strictly adhere to the stipulations made by the Andhra Pradesh State Pollution Control Board and the State Government.	Complied. We adhere to the stipulations made by Andhra Pradesh Pollution Control Board (APPCB) and State Government.
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Yes. We comply the same.
iii.	The gaseous emissions from various process units shall conform to the 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. The gaseous emissions from various process units are controlled confirming to the latest standards of APPCB.
iv.	Atleast four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, 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 Bangalore and the SPCB/CPCB once in six months.	Complied. On - line continuous Ambient Air Quality Monitoring stations are already provided at Administration Building, Distribution Building and at ICC Building in the colony. Ambient Air Quality and stack emissions are being monitored regularly as advised by APPCB and maintained the standards as prescribed and reports of the same are being submitted to the authorities.
v.	Industrial wastewater shall be properly collected, treated, so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Complied. Industrial wastewater is properly collected, treated and recycled as closed cooling water system is adopted. Excess waste water from effluent, Sewage treatment plant is being used for plantation/ green belt development.
vi.	The overall noise levels in and	Complied.

	<p>around the plant area shall be kept well within the standards 85 dB(A) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz 75 dBA (Daytime) and 70 dBA (Night time).</p>	<p>Noise levels are being maintained within the permissible limits in the plant area by proper maintenance of plant equipment. The ambient noise levels conform to the prescribed standards. Reports are enclosed in Annexure II.</p>
vii.	<p>Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.</p>	<p>Complied. Occupational health surveillance of the workers is being carried out on a regular basis. Medical Records are being maintained as per the Factories Act.</p>
viii.	<p>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.</p>	<p>Complied. Rain water from the roof tops and storm water drains are harvested to recharge the ground water level.</p>
ix.	<p>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.</p>	<p>Complied. We are complying all the recommendations made in EIA/EMP report to safeguard all the environmental protection measures. Further, we are organizing socio-economic development activities in the nearby villages.</p>
x.	<p>The 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 and Forests 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 Bangalore. The funds so provided shall not be diverted for any other purpose.</p>	<p>Complied. As proposed in EIA/EMP the earmarked capital cost towards environmental pollution control measures will be used suitably. We assure you that the funds will not be diverted for any other purpose.</p>

xi.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zilla 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.	Complied. We have sent the copy of EC to Chilamkur Panchayat and received NOC from them.
xii.	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 Bangalore. 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.	Complied. Ambient Air Quality and Stack emissions are being monitored regularly as advised by APPCB and maintained the standards as prescribed and reports of the same are being submitted to the authorities. Black board is put up at the main entrance of the plant which contains the specific conditions and critical parameters like PM10, PM2.5 and SPM are displayed.
xiii	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 Bangalore/CPCB/SPCB shall monitor the stipulated conditions.	Complied. Six monthly compliance reports being submitted regularly to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
xiv.	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	Complied. We are submitting Environmental Statement in Form V as per rule 14 of E (P) Act 1986. Latest FORM-V for the Year 2018 - 19 was submitted on 18/09/2018.

	(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 at Bangalore by e-mail.	
xv.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry 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 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 Bangalore.	Complied. Environmental Clearance accorded by Ministry has already been informed to the public by publishing in the local newspapers within 7 days and a copy of the same is forwarded to the Regional office at Bangalore.
xvi.	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. We will inform the Regional Office as well as the Ministry, the date of final closure, final approval of the project and the date of commencing the land development work by the concerned authorities.

**Thanking You,
Yours faithfully,
For The India Cements Limited.**


**P. Muni Reddy,
Joint President (Mfg.)**

**CC to: AP Pollution Control Board,
Regional office,
D.No.1/2277, 2nd Floor,
Rajiv Park Road,
AP Housing Board Colony,
YSR Kadapa-516003. A.P**