



THE INDIA CEMENTS LIMITED

WORKS : MALKAPUR - 501158, P.B. No. 07, SY. No. 51,
TANDUR MANDAL, RANGA REDDY DIST., TELANGANA
Tel : 08411 - 242247, 242324 to 242326, Fax : 08411 - 242302



Ref: ICL/Mines-MKP/MoEF/Compl-Report/2011-12/0571

Dated: 25.01.2016

To
The Director
APCCF, Ministry of Environment, Forests & Climate Change
Regional Office
1st and 2nd Floor, HEPC Building
No: 34, Cathedral Garden Road
Nungambakkam
CHENNAI - 600 034.

Shri JTK
Dr. J. S. Jeyaraj
3/2/16

Dear Sir

Sub: Six monthly compliance reports and the monitored data along with statistical interpretation of the Factory and Mines of the 'The India Cements Limited-Works: Malkapur Mandal Tandur, Ranga Reddy, Telengana state for the Half Yearly Period ending 31st Dec 2015-submitting- regarding.

REF: "Environmental Clearance - Expansion of Cement Plant (Clinker 1.25 MTPA to 2.75 MTPA; Cement, 1.32 MTPA to 2.90 MTPA) along with Limestone Mines (1.80 MTPA to 4.0 MTPA) at The India Cements Limited, Works Malkapur, Mandal Tandur, Ranga Reddy, Telengana state - issued by MoEF, New Delhi, vide letter no: F.No. J - 11011/1183/2007-IA-II (I) / DT: 27.03.2009"

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We are submitting herewith the Six monthly compliance reports and the monitored data along with statistical interpretation of the Factory and Mines of the 'The India Cements Limited-Works: Malkapur Mandal Tandur, Ranga Reddy, Telengana State for the Half Yearly Period ending 31st Dec 2015, as required under 'general condition xi of above environmental clearance, for your kind information

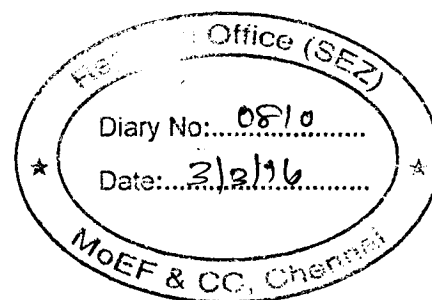
Kindly acknowledge the receipt of the same, please.

Thanking you Sir,

Yours faithfully

N. Keshav

N. Keshav
Sr. Vice President (Mfg.)



Enclo:

1. Compliance Report for the Factory & Mines
2. Stack monitoring data for the plant (In house & 3rd Party data)
3. AAQ for the plant (In house & 3rd Party data)
4. AAQ for the Mines (In house & 3rd Party data)
5. AAQ- Buffer Zone (3rd Party data)

Registered Office : "DHUN BUILDING", 827, Anna Salai, CHENNAI - 600 002.

Corporate Office : Coromandel Towers, 93, Santhome High Road, Karpagam Avenue, R.A. Puram, CHENNAI - 600 028.

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E.CC.No. AAAC1728PXM010, SERVICE TAX No. AAAC1728PST017, PAN No. AAAC1728P,
TIN No. 36220189434, TAN No. HYDT03638F

Railway Siding Code : MICT 09528512, Corporate Identity No. (CIN) : L26942TN1946PLC000931

THE INDIA CEMENTS LIMITED
Works : MALKAPUR

Ref: "Environmental Clearance" – Sangamkalan Limestone Mines issued by MoEF, New Delhi vide letter no: J -11011/1183/2007-IA-II (I) / DT: 27.03.2009"

A. SPECIFIC CONDITIONS :

S.N o.	Terms & Conditions	Compliance Report
I)	M/s. The India Cements Limited shall comply with all the commitments and correspondence made with the Ministry by M/s The India Cements Limited at Malkapur, Mandal Tandur, District Ranga Reddy, Andhra Pradesh. The Company shall submit an affidavit on Rs. 50/- stamp paper.	Complied with
II)	The gaseous and particulate mater emissions from various units shall conform to the standards prescribed by the Andhra Pradesh Pollution Control Board. At no time, particulate emissions from the cement plant including Kiln, coal mill and cement mill, cooler shall not exceed 50 mg/Nm ³ from the additional line. Continuous on line monitors for particulate emissions shall be installed - Inter locking facility shall be provided in the pollution control equipments so that in the event of the pollution control equipment not working, the respecting units is shut down automatically.	Continuous monitoring system has been installed and particulate matter being controlled within the prescribed norm of 50 mg/N ₃ by installing adequate air pollution control system. The gaseous emission will also be controlled by taking regular precautions and ensuring control measures. Interlocking facility is already provided in the pollution control equipment such that in case pollution control not working, the respective unit is shut down automatically.
III)	Data on ambient air quality stack emission and fugitive emissions shall be uploaded on the company's website and also regularly submitted on line to Ministry's Regional Office at Bangalore, A.P.Pollution Control Board and Central Pollution Control Board as well as hard copy once in six months. Data on SPM, SO ₂ and NO _X shall also be displayed prominently outside the premises at the appropriate place for the general public.	An external agency has been engaged to collect data on AAQ (PM ₁₀ , S _{O2} Nox). Returns are submitted regularly to Ministry's Regional Office at Bangalore; SPCB & CPCB once in 6 months. The monitored data has been uploaded on the website and display board kept prominently at the entrance of factory.
IV)	Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored. Guidelines/Code of Practice issued by the CPCB in this regard should be followed. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at material transfer points. Atomized water spray system with reclaimr shall be installed in Silo used for the storage of ash. Storage of other raw materials shall be in closed roof sheds. Covered conveyor belts shall be used to reduce fugitive emissions. Concreting of all the roads, water spraying system at limestone and coal handling area shall be ensured to reduce fugitive emissions.	Adequate fugitive dust emission control measures have been taken. Proper ESP cycle system wherever required to the belt water sprinkler system has been arranged. In Mines, is controlled by water tanker sprinklers and haul road is concreted. Limestone crusher hopper fitted with water sprinkler system to control the dust on the road. Strong belt curtain installed on each crusher hopper to arrest the dust at source itself. All the material transfer points in the point have been provided with water sprinkler.

V)	Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality shall be carried out regularly in consultation with APPCB and data for air emissions shall be submitted to the CPCB and APPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	We are monitoring regularly at 4 ambient air quality permanent stations in house as per the CPCB guidelines in Mines. 3 rd Party monitoring is carried out once in a month. 8 stations in the core zone and 4 stations in the Buffer zone and also monthly Noise level monitoring done. Reports are sent periodically to the Regional Office, Chennai/Bangalore.
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.	Tall trees are grown at periphery of company land areas to avoid dust getting into the private land and inside the plant areas are also covered with tall trees. Proper fenced plantations have been done all around mine lease bound area and inside plant to protect plant. we have constructed the wall to avoid the dust spread away Wherever the dust generation is there. Plantations surrounding of coal yard, laterite yard, crusher area between colony and plant to stop spreading dust. Covered shed for Gypsum and partially covered for coal, totally covered shed for clinker etc., to avoid dust liberation has been constructed.
VII)	The company shall make the arrangements for utilization of the high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly. The company shall keep the record of the waste utilized and shall submit the details to Ministry Regional Office at Bangalore, CPCB and SPCB.	Necessary application has been made to the Government to obtain necessary permission. Permission received. We are in the process of utilizing hazardous waste.
VIII)	Total water requirement shall not exceed 2000 Cu.M/day from river Kagna and Mine pits. A copy of permission letter shall be submitted to Ministry's Regional Office at Bangalore. The treated waste water from STP and utilities shall be reutilized for green belt development and other plant related activities i.e. cooling and dust suppression in raw material handling area etc., after necessary treatment "Zero" discharge shall be strictly adopted and no effluent from the process shall be discharged outside the premises.	As per the guidelines and permission, the total quantity of 2000 Cu.M per day water is used. Necessary flow meter is installed to measure the water quantity. Installed STP the treated water is used for plantation purpose. As such no effluent is generated so as discharge.
IX)	Rain water harvesting measures shall be adopted for the augmentation of ground water at cement plant, colony and mines site. Besides, company must also harvest the rain water from the rooftops and storm water drains to recharge the ground water. The company must also collect rain water in the mined out pits of captive limestone mine and use the same water for the various activities of the project to conserve fresh water and reduce the water requirement pressure from the river.	Proper arrangements have been made to collect the water from the roofs of the building and diverting to rain harvesting pits. The water from STP plant is being used totally for developing the plantation We have the arrangement to collect the rain water in the mined out pits of captive limestone mines and being used the same water for various activities of the project to conserve fresh water and reduce the water requirement pressure from the river.
X)	The project proponent shall modify the mine plan of the project at the time of seeking approval for the next mining scheme from the Indian Bureau of Mines so as to reduce the area for external over burden dump by suitably increasing the height of the dumps with proper terracing. It shall be ensured that the overall slope of the dump does not exceed 28degrees.	There is no waste generation or overburden generation in the mines. So, the question does not arise for management of dumps. However, the BC Soil is separately stacked. Trees have been planted to the bottom of the dump to avoid soil erosion.
XI)	Top soil, if any, shall be stacked with proper slope at earmarked sites only with adequate measures and should be used for reclamation and	Top soil is removed and stacked separately with proper slope. This top soil is being used for Plantation purpose as and when required;

	rehabilitation of mined out areas.	by doing so entire dump of top soil will be used for plantation over a period of time. As per our Mine Plan total mined out area will be used for water storage reservoir with properly built fencing all around the excavated area for safety purposes.
XII)	The project proponent shall ensure that no natural water course shall be obstructed due to any mining and plant operations. The company shall make the plan for protection of the natural water course passing through the plant and mine area premises and submit to the Ministry's Regional Office at Bangalore.	Our Mine and plant area are located on ridge which runs several kilometers length. Hence, the question does not arise for blocking any water course. No water courses are located in mines/plant premises. Necessary check dams are constructed for rain water flow to avoid soil erosion into main stream.
XIII)	The inter burden and other waste generated shall be stacked at earmarked dump sites only and shall not be kept active for long period. The total height of the dumps shall not exceed 30 m in three terraces of 10 m each and the over all slope of the dump shall be maintained to 28 degrees. The inter burden dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment and Forests and its Regional Office, Bangalore on six monthly bases.	Our Mines deposit is free from any geological disturbances; as a result such inter burden or side burden formation is totally absent. Hence question does not arise for any waste generation and dump management etc... Hence, this condition is not applicable for our mines.
XIV)	The void left unfilled shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation to be done to stabilize the slopes. The slope of the higher benches shall be made gentler for easy accessibility by local people to use the water body. Periphery fencing shall be carried out along the excavated area.	The void left unfilled is already converted into water body. The higher bench of excavated void/mining pit is terraced and plantation is done to stabilize the slopes. The slope of the higher benches is made gentler for easy accessibility by local people to use the water body. Periphery fencing is already carried out along the excavated area for protection and safety. Mine closure plan prepared and the same being followed.
XV)	Catch drains and Siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediments. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted, particularly after monsoon and maintained properly.	Four check dams constructed and Siltation systems established in the downstream to arrest the silt and sediment flows. Necessary garland canal is made. The drains are regularly desilted, particularly after monsoon and maintained properly.
XVI)	Dimension of the retaining wall at the toe of inter burden dumps and inter burden benches within the mine to check run off and siltation shall be based on the rain fall data.	There is no such inter burden dumps present in our mine since our limestone deposit free from any such geological disturbances. Hence, this condition is not applicable.
XVII)	Regular monitoring of ground water level and quality shall be carried out by establishing a net work of existing wells and constructing new piezometers at suitable locations by the project pronouncement in and around project area in consultation with the Regional Director, Central Ground Water Board. The frequency of monitoring shall be four times a year Pre-monsoon (April/May), Monsoon (August), Post Monsoon (November) and Winter (January). Data thus collected shall be sent at regular intervals to Ministry of Environment and Forests and its Regional Office at Bangalore, Central Ground Water Authority and Central Ground Water Board.	We have Piezometer stations in our premises. We are conducting regular monitoring of the Ground Water levels and quarterly reports are submitted to CGWA & MOEF regularly. Monsoon, Post Monsoon, Pre monsoon and winter - Pizeometry is carried out periodically as per the guidelines and being submitted the reports to the concerned authority, periodically.

XVII I)	Blasting operations shall be carried out only during the day time. Controlled blasting shall be practiced. The Initiative measures for control ground vibrations and to arrest fly rocks and boulders shall be implemented.	Blasting operations is carried out only during the day time. Controlled blasting is practiced. The Initiative measures for control ground vibrations and to arrest fly rocks and boulders are implemented.
XIX)	The project proponent shall adopt wet drilling	Adopted wet drilling in our Mines.
XX)	As proposed, green belt should be developed in 33% in and around the plant as per the CPCB guidelines.	Complied with
XXI)	All the recommendations of the Corporate Responsibility or Environmental Protection (CREP) shall be strictly followed.	Complied with.
XXII)	Vehicular emissions should be kept under control and regularly monitored Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles should be covered with a tarpaulin and shall not be overloaded.	Vehicular emissions level testing through authorized agency are conducted once in 6 months to control the emission levels. Drenched (muck pile wetting is done at mines itself by high pressure pump fixed on water tanker) limestone is loaded into vehicles to avoid dust liberation during operations and in transportation of mineral
XXII I)	Digital processing of the entire lease area using remote sensing techniques should be done regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bangalore.	Digital processing of the entire lease area using remote sensing techniques is done which will be regularly done once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bangalore.
XXI V)	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment and Forests 5 years in advance of final mine closure, for approval.	A Final Mine Closure Plan along with details of Corpus Fund will be submitted to the Ministry of Environment and Forests 5 years in advance of final mine closure, for approval.
XXV)	The explosive charge per delay shall be restricted as per the recommendations mention in the NIRM report	The explosive charge per delay is being restricted as per the recommendations mention in the NIRM report
XXV I)	The company shall comply with all the commitments made during Public on 12th September 2008.	Yes 'Complied with.
XXX VII}	Provisions 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 health care, crenche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	There are no project activities undertaken at our site. Hence, the question does not arise.

B. GENERAL CONDITIONS:

i)	The project authority shall adhere to the stipulations made by State Pollution Control Board (SPCB) and State Government	Yes' Complied with.
ii)	No further expansion or modifications of the plant shall be carried out without prior approval of this Ministry.	Complied with.
iii)	At least four ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of SPM, SO ₂ , NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office and SPCB/CPCB once in Six Months.	Monitoring regularly at 4 ambient air quality permanent stations established in house as per the CPCB guidelines. Monitoring by the 3rd party is carried out once in a month for all 8 stations in the Core Zone and all 4 stations in the Buffer zone. Data on ambient air quality and stack emissions is submitted regularly submitted to the Ministry including its Regional Office and SPCB/CPCB once in Six Months.
iv)	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. The treated waste water shall be utilized for Plantation purpose.	Complied with. STP water is being used for plantation purposes which is tested and conforms to the standards.
v)	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 shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (Night time)	Complied with.
vi)	Proper house keeping and adequate occupational health programme shall be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained properly for at least 30 - 40 years. The programme shall include lung function and sputum analysis tests once in six months. Sufficient preventive measures will be adopted to avoid direct exposure to dust etc.	Proper house keeping and adequate occupational health programme is being taken up. Occupational Health Surveillance programme is done on a regular basis and records maintained properly. The programme includes lung function and sputum analysis tests once in six months. Sufficient preventive measures are adopted to avoid direct exposure to dust etc.
vii)	The company shall undertake eco-development measures including community welfare measures in the project area.	Complied with.
viii)	The project proponent shall also comply with all the environmental protection measures and safe guards recommended in the EIA/EMP	Company also comply with all the environmental protection measures and safe guards recommended in the EIA/EMP
ix)	A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive	A separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions is set up under the control of Senior Executive

x)	Adequate funds shall be allocated to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	Adequate funds are allocated to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated therein is submitted. The funds so provided have not been diverted for any other purpose.
xi)	The Regional Office of this Ministry / CPSB/SPCB shall monitor the stipulated conditions. The project authorities shall extend full cooperation to the officer of the Regional Office in furnishing the requisite data / information / monitoring reports. A Six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly	The stipulated conditions are attended by project authorities extends full cooperation to the officer of the Regional Office in furnishing the requisite data / information / monitoring reports. A Six monthly compliance report and the monitored data along with statistical interpretation are submitted regularly
xii)	The project Authorities shall inform the Regional Office as well as the Ministry, the date of Financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied with.
xiii)	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests. No change in the calendar plan including excavation, quantum of limestone and waste shall be made	Complied with.
xiv)	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc., should be provided with ear plugs / muffs.	Measures taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc., are provided with ear plugs / muffs. Tippers cabin is air conditioned and noise proof.
xv)	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GST 422(E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Complied with.
xvi)	Personal working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and taken corrective measures, if needed.	Complied with. Workers are provided with all personal protective equipments; imparted necessary training and information on Safety and health aspects. Medical Officer and Lady Medical Officer with qualified staff, in our Health Center to look after the health and hygiene conditions of the employees, are exclusively delegated. Periodically medical diagnostic tests are done for all the workmen and supervisory staff to observe any contractions due to exposure to dust and taken corrective measures, if needed.. Necessary Records maintained.
xvii)	The project authorities shall inform to the Regional Office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of the land development.	Complied with.

xviii)	A copy of Clearance letter will be marked to concerned Panchayat / Local NGO, if any, from whom suggestions/representation, if any, was received while processing the proposal.	---
xix)	State Pollution Control Board should display a copy of the Clearance letter at the Regional Office, District Industry Centre and Collector's Office / Tahsildar's Office for 30 days	---
xx)	The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded Environmental Clearance and a copy of the Clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of this Ministry.	Complied with.
6.0	The Ministry or any other competent authority may stipulate any further conditions on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry.	Complied with.
7.0	The Ministry or any other competent authority may stipulate any further conditions on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry.	Complied with.
8.0	Any other conditions or alterations in the above conditions shall have to be implemented by the project authorities in a time bound manner.	Complied with.
9.0	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under section 11 of the National Environment Appellate Act 1977.	---
10.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and Control of Pollution) Act 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Complied with.