



Vill : Bilakagudur Mdl Gadivemula

Krnool - 518 508, A.P. Dist: 08514 - 202304 Phone 08514 - 202305

Website: www.jswcement.in

JSWCL-NDL/MOEF&CC-VIJ/22-23

Dt: 27/05/2022

The Director,

Ministry of Environment and Forests & Climate Change, Regional Office, South eastern Zone, Vijayawada, A.P

Dear Sir,

Sub: Six monthly Environmental Clearance Compliance report (October 2021 to April 2022)reg.

Ref: 1. Cement Plant EC No : J-11011/889/2007-IA. II (I) Dt: 25-8-2008

2. Slag Grinding Unit EC No: J-11015/159/2010-IA. II (I) Dt: 13.05.2011

3. Expansion Project EC No: J-11011/889/2007-IA. II (I) Dt: 09-03-2016

With reference to the captioned subject and reference, we are enclosing herewith our compliance report for Cement plant, Slag Grinding Unit and Clinker Expansion from 2.0 to 2.5 MPTA in respect of specific conditions and general conditions as given in the Environmental Clearance.

Please find the same in order.

Thanking you,

Yours faithfully,

For ISW Cement Ltd.

HC Gupta Plant Head

Cc: The Environmental Engineer

A. P. Pollution control Board Krishna Nagar-KURNOOL

Encl: a/a

CIN-U26957MH2006PLC160839

Read. Office:

JSW Centre, Opp. MMRDA Ground Bandra Kurla Complex, Bandra(East)



HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARNACE FOR JSW CEMENT PLANT

NAME OF THE PROJECT: JSW CEMENT LTD, Bilakalagudur (Village), Gadivemula (Mandal) dist. Kurnool (A.P.)

MOEF LETTER NO. & DATE: J-11011/889/2007-IA-II (I) Dt:25-08-2008 PERIOD OF COMPLIANCE REPORT: 01.10.2021 to 31.03.2022

Sl.No.	SPECIFIC CONDITIONS	COMPLIANCE	
1	The company shall provide ESP to CPP and Bag Filters to Cement Mill, Raw Mill, Crushers and Storage Silos for control of particulate emissions. Stack emissions from various sources shall not exceed 50 mg / Nm ³ .	ESP Installed for the Captive Power Plant and Bag Houses/ Bag Filters are provided to Kiln & Raw mill, Cement Mill, Cooler, Crusher, Slag mills, Packers and Storage Silos for control of particulate emissions and all APCE are designed for the 10 mg/Nm3 particulate matter. Average values of Stack emissions for the compliance period are given at point no :3 (General Conditions)	
2	Bag house / filters shall be provided to control the fugitive emissions generated during, material transfer, Packing, loading and unloading. The Project authorities shall store all the raw materials except limestone in the covered sheds to control fugitive emissions.	Suitable bag filters are installed to control the fugitive emissions generated during material transfer, Packing, loading and unloading. Raw materials such as Gypsum and coal are stored in the covered sheds. Plant all internal roads are concreted and provided Suitable water sprinklers to minimize the fugitive emissions.	
3	The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with APPCB and additional stations shall be installed, if required, in the downside direction as well as where maximum ground level concentrations are anticipated.	been provided in-consultation with PCB officials. In have also installed 3 CAAQMS and real time AA data are transmitted to APPCB & CPCB website.	
4	Total ground water requirement shall not exceed 5,100 KLD. The project authorities shall install STP to treat domestic sewage and treated sewage shall be utilized for green development. No waste water shall be discharged outside the premises and `zero' discharge shall be ensured.	31.03.2022) was 850 KLD. STP has been commissioned in plant premise Treated wastewater is utilized onland for green be development. No waste water is discharged outside the premises and 'Zero' discharge status maintained.	
5	The company shall obtain prior permission for drawl of ground water from the central ground water authority / central ground water board and a copy shall be submitted to Ministry's Regional.		



Office at Bangalore within 3 months from the date of issue of this letter.		
The project authorities shall make all-out effort to use high calorific value hazardous waste in the kiln and accordingly necessary provision in the Kiln shall be made.	Using of the high calorific value hazardous (From Pharma/Chemical industries) wastes in the Kiln HW usage from October 2021 to March 2022 : 6782 MT	
The fly ash generated from the Captive Power Plant shall be handled in dry silos and shall be utilized 100% for manufacturing of Pozzolana Cement.	100 % of the fly ash generated from the Captive Power Plant are using in the cement plant. Fly ash Consumption from October 2021 to March 2022: 6966 MT.	
The project authority shall transport the raw material and the product in covered means	Raw materials and products are always transported in covered vehicles.	
The green belt shall be developed in minimum 33% of the project area as per the guidelines of Central Pollution Control Board to mitigate the effect of fugitive emission.	Greenbelt in an area of approx. 239 Acres (37%) has been developed.	
The project authorities shall provide a Health Centre with all emergency medicines and ambulance along with full time doctor. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.	We have a dispensary inside the factory premises with qualified doctors, paramedical staff and all emergency arrangements including an ambulance. In addition, the company, as part of its CSR programme, has also deployed one Mobile Health Care Van for providing medical aid to nearby villages. As part of Occupational Health Surveillance programme, we are conducting 6 monthly health check-up of staff & workers exposed to dust and noise. The health checkup includes spirometry (lung function test), audiometry, chest x-ray, blood examination among others.	
The company shall comply with all the commitments made during public hearing / public consultation held on 25th Apr., 2008. The detailed action plan for implementation of commitments made with the public shall be submitted to the Ministry's Regional Office at Bangalore and APPCB within 3 months from the date of issue of this letter.	We have fulfilled all the commitments made during the public hearing. Detailed action plan for implementation of the commitments has been submitted to MoEF. So far, we have complied with all the commitments such as construction of roads in nearby villages, development of grazing land for cattle, provided acoustic enclosures, silencers and vibration isolators to reduce the mining level, mining is being done upto the max. depth of 30 M and sequential blasting method is adopted to minimize the impact of vibration, noise, dust and fly rock generation.	
No acquisition of patta land by the Government should be permitted; the company shall purchase the land from the patta holders.	We have directly purchased land from the Patta holders. Some land has also been allotted by the government.	
	months from the date of issue of this letter. The project authorities shall make all-out effort to use high calorific value hazardous waste in the kiln and accordingly necessary provision in the Kiln shall be made. The fly ash generated from the Captive Power Plant shall be handled in dry silos and shall be utilized 100% for manufacturing of Pozzolana Cement. The project authority shall transport the raw material and the product in covered means The green belt shall be developed in minimum 33% of the project area as per the guidelines of Central Pollution Control Board to mitigate the effect of fugitive emission. The project authorities shall provide a Health Centre with all emergency medicines and ambulance along with full time doctor. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act. The company shall comply with all the commitments made during public hearing / public consultation held on 25th Apr., 2008. The detailed action plan for implementation of commitments made with the public shall be submitted to the Ministry's Regional Office at Bangalore and APPCB within 3 months from the date of issue of this letter. No acquisition of patta land by the Government should be permitted, the company shall purchase the	



		4i	
13	As agreed during the public hearing meeting, the company shall construct the bridge over the River Kundu alongwith approach road to the villagers.	The bridge over river Kundu has already been constructed. Suitable approach roads constructed nearby villages.	
14	Company shall prepare the conservation plan for the reserve / protected forests located within the radius of 5 Kms. from the plant and submit to the Forest Department, AP & recommendations, if any shall be implemented.	Conservation plan approved letter No: 5967/2021//WL-2 Dt: 9.7.2021 and recommendations are under progress.	
15	All the recommendations mentioned in the CREP guidelines for the cement and power plants shall be followed and complied.	We are complying with all the applicable recommendations of CREP Guidelines.	
GENE	RAL CONDITIONS		
1	The project authorities shall strictly adhere to the stipulations of the APPCB / State Government or any other statutory body.	We are adhering to the stipulations made by the Andhra Pradesh State Pollution Control Board and the State Government. We have obtained consent for Air, Water and Hazardous Waste authorization from APPCB vide letter dt: 16.06.2017 and its validity up to 30.09.2022. We are complying with all the stipulations made in the Consent Order.	
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	We have applied for the Environmental clearance expansion project for clinker production from 2.5 to 3.4 MTPA and Cement from 4.8 to 6.0 MTPA and have been granted for TOR vide letter no: J-11011/889/2007-IA.II (I) DT:09.03.2016 Waste Heat Recovery Power Plant of 9 MW civil & Mechanical works are under progress and Consent For Establishment order no:124/PCB/CFE/RO-KNL/HO/2014 Dt:13.02.2015 & 253/APPCB/CFE/RO-VJA/HO/2009 Dt:03.06.2016	
3	The gaseous emissions (SO ₂ , NO _{X)} and particulate matter levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	# Stack attached to SPM - Mg/Nm3 (average) Kiln/Rawmill SPM :16.59	



		·		
		2	Cooler	13.98
		3	Coal Mill	19.50
		4	Cement Mill	1.25
	17	5	Slagmill-1	18.50
		6	Slagmill-2	14.26
		7	LS Crusher	12.18
		8	Packer-1	11.00
		9	Packer-2	11.50
		10	Packer-3	12.75
		stack presc	and are committee	d NOx analyzers in the kilred to maintain the norms NOx as per latest MoEI 014.
4	The company shall undertake following Waste Minimization measures.	1	following practices eany for waste minin	are being adopted by the nization/ reuse:
	Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.	>	Reuse of byproducts i.e Slag, Flue Dust, Al Killed Slag, Chemical Gypsum, and Red muc as partial substitute of raw material.	
	> Use of "Closed pneumatic" system for transport of fine material.	>	Closed pneumatics	systems are in place
	 All venting systems shall be connected with dust affecting equipment's. Dust collected in pollution control equipment's shall be reused. 	A	bag filters.	nts are provided with puls ne bag filters is recycled int
5	Fugitive emissions in the work zone environment, product, and raw materials storage area shall be	d monitored and average values for the per		
	regularly monitored. The emissions shall conform to the limits stipulated by the State	SI no	Location	Dust concentration(mg/Nm3)
	Pollution Control Boards / Central	1	Packing plant	0.53
	Pollution Control Board.	2	Coal mill Hopper	0.32
		3	Raw mill hopper	0.45
		4	Crusher Hopper	0.41
	The state of the s	raw i	naterial conveying, s uct etc. in order to co	ilters at all transfer points of stacking, packing of finishe ontrol fugitive emissions. A paved. Water spraying
		carrie	ed out to control fug	itive emission all around th



stock yard and loading/ unloading areas. Raw material such as Gypsum and Coal is stored under covered sheds. Fully covered conveyors are provided for material conveying throughout the plant. The following measures are adopted for control on 6 The overall noise levels in and ambient noise: around the plant area shall be kept well within the standards by 1. Grinding of raw material and finished products providing noise control measures is performed by Roller Press that generates less including acoustic noise compared to traditional ball mills. hoods. silencers, enclosures, etc., on all DG sets are provided with acoustic enclosures sources of noise generation. The & installed in enclosed rooms. ambient noise levels shall conform Compressors are installed within enclosed to the standards prescribed under rooms Environment (Protection) Speed limit restrictions for vehicles within 1986 Rules, 1989, viz., 75 dBA (day plant premises time) and 70 dBA (night time). Regular preventive maintenance of plant and machinery by competent staff. Average values of ambient noise levels for the period 01.10.2021 to 31.03.2022 are as under: Location Nose levels dBA (avg.) day Day time Night time New 65.06 54.50 1 Near Security gate 63.40 Near **MRSS** 68.55 Building 3 Near Old 67.00 57.0 Security gate Near Colony 54.00 50.00 7 The project authorities shall strictly **Hazardous Chemicals:** comply with the rules and The company does not use hazardous chemicals guidelines under Manufacture, (except petroleum and explosives) exceeding the Storage and Import of Hazardous threshold limits prescribed under MSIHC Rules, 1989 Chemicals Rules, 1989, as amended and as such there is no risk to the communities living Hazardous Waste and around our plant and quarries. The amount of (Management & Handling) Rules, majority of hazardous chemicals used in the 1989, as amended from time to laboratory or elsewhere is too small to pose any risk time. Authorization from SPCB to nearby communities. shall be obtained for collection, Storage, handling, issuance, transportation and use treatment, storage, and disposal of of Petroleum and Explosives are carried out strictly hazardous wastes. in accordance with the conditions of respective licenses grant under the Petroleum and Explosives Rules respectively. Onsite Emergency Preparedness and Disaster Management Plans are in place and periodically tested and reviewed for effectiveness.



		Hazardous Waste:
		We have obtained authorization for collection, treatment, storage, and disposal of hazardous wastes vide APPCB letter no APPCB/HWM/KNL/JSW/2017- Dt: 17.01.2017. All the conditions of the said authorization are duly complied. HW usage from 01.10.2021 to 31.03.2022: 6782 MT
8	Rainwater harvesting shall be done within the premises. Ground water recharge structures shall be installed around the plant area in consultation with local authorities to contain the ground water table.	 We have so far adopted the following measures for rainwater harvesting and groundwater recharge: Constructed rooftop rainwater harvesting structure at Stores Building, Workshop, Time office, Coal shed, MRSS Building and LC-2 Load centre and Govt Primary School, Bilakagudur building. Detailed hydrological study of the area has been done and report submitted to CGWB.
9	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.	We have implemented various eco-development measures in the nearby villages. Major activities undertaken are 1. Skill development for woman 2.Ensure 100% student enrollment in DIZ Villages 3.Distribution of bicycles and merit schoplers day meal scheme in nearby villages, Digital class distribution of artificial limbs to ortho disabled persons, tailoring centres for local women in village Bilakalagudur, helping to eradicate malaria, scholarship to 10th class meritorious students.
10	The project authorities shall earmark the adequate fund to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Agreed and implementing
11	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	A separate Environment management cell is in place to carry out different environment management and monitoring functions under the control of Sr. Executive of Plant.
12	The implementation of the project vis-à-vis environment action plans shall be monitored by the concerned Regional Office of the Ministry / SPCB/ CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	We are regularly submitting the six monthly compliance to MOEF &CC /SPCB, Last submitted letter no: JSWCL-NDL/MOEF&CC-CHENNAI/F-02/2122 submitted on dt:.29.12.2021, We are also uploaded the six monthly compliance reports on our company's website, www.jsw.in.

N. A.



17		
13	The project proponent shall inform the public that the project has been accorded environmental clearance	Published in VAARTHA Telugu News Paper on 23/09/08 and in Deccan Chronicle English News Paper on 23/09/08 and copies of the newspaper
	by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of 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 shall be forwarded to the concerned Regional Office of the Ministry.	clippings were submitted to the MoEF, Bangalore.
14	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 start of the project.	Date of financial closure:28.02.2010 Date of financial approval of the project:26.03.2010 Date of start of the project: September 2011

(Authorized Signatory)

JSW Cement Limited



HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARNACE FOR SLAG GRINDING UNIT

NAME OF THE PROJECT: Expansion of Cement Grinding Unit from 2.2 MTPA to 4.8 MTPA by setting up of 2.60 MTPA Slag Grinding Unit at Bilakalagudur (Village), Gadivemula (Mandal) dist. Kurnool (A.P.)

MOEF LETTER NO. & DATE: J-11011/159/2010-IA-II (I) Dt:13-05-2011 PERIOD OF COMPLIANCE REPORT: 01.10.2021 to 31.03.2022

SI.No.	CONDITIONS	COMPLIANCE
6 A	SPECIFIC CONDITIONS	
Continuous stack monitoring facilities of monitor gaseous emissions from the stacks shat be provided. Particulate emissions shall be controlled within 50mg/Nm3 by installing adequate air pollution controlled systems Vi. Bag filters and stacks of adequate height et Data on ambient air, fugitive and stack emissions shall be submitted to the Ministry's Regions Office at Bangalore, Andhra Pradesh Pollution Control Boards (APCB) and CPCB regularly.		We have provided Bag Houses in all the equipment viz.Slag Mills and Packing Plant. Online continuous monitoring facilities to monitor particulate emissions from the stacks have been provided to Slag mill 1 & 2 stacks. Adequate stack heights have been provided. Particulate emissions are maintained well within the prescribed limits. We have also installed 3 nos. of CAAQMS for monitoring ambient air quality. Online data are electronically transmitted to APPCB & CPCB website.
		It is also ensured that at no time the particulate emissions from the grinding unit exceed 30 mg/Nm ³ . Interlocking facility has been provided in the pollution control equipment.
Ii	The national Ambient Air Quality Standards issued by the Ministry vide G.S.R.No.826 (E) dat.16 th Nov ,2009 should be followed	We are complying with the National Ambient Air Quality Standards and have installed 3 nos. of continuous ambient air quality stations with online connectivity to APPCB and CPCB servers.
Iii	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the ministry and regularly monitored. Guidelines/Code of practice issued by the CPCB should be followed.	We have installed latest technology Bag Houses designed to control the stack emission below the 10 mg/Nm³ particulate matter. Pulsejet bag filters are installed at all the material transfer points for controlling fugitive emissions. In additions, water sprinklers are provided at belt conveyors, wherever required, to effectively suppress the dust during material conveying. Emissions from stacks as well as ambient air quality parameters are continuously

		monitored and displayed at security main gate for public domain.
iv	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. All the raw materials stock piles should be covered. A closed clinker stockpile system shall be provided. All Conveyors should be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided besides coal, cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling	Pulse bag filters are installed at all the material transfer points for controlling fugitive emissions. All the internal roads meant for vehicular movement are concrete paved. Roads are regularly swept to control fugitive emission during vehicular movement. Gypsum and coal stockpiles are covered. Clinker is stored in RCC silo. All the conveyors are fully covered with GI sheets.
V	Asphalting/Concreting of roads and water spray all around the stockyard and loading /unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM and RSPM such as haul road, loading unloading points transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central pollution control board in this regard.	We have provided concrete paved internal approach roads around the stockyard and raw material storage areas. All the approach roads connecting to storage yards. We are also deploying water tankers regularly to spray water on unpaved areas for dust suppression. Roadside water sprinklers have also been provided and regularly operated for dust suppression. We are also installed water sprinklers along the stockpiles of coal and Lime stone and also on the road sides.
vi	Efforts shall be made to reduce impact of the transport of raw materials and end products on the surrounding environment including agriculture land. All the raw materials including flyash should be transported in the closed containers only and should not be overloaded. Vehicle emissions shall be regularly monitored.	The ambient air quality norms are maintained within the prescribed norms. We have constructed a 10 M x 30 Km concrete road from factory to Nandyal town to reduce the impact of transport of raw material/ finished goods on the environment/ agriculture land. We are also covering the trucks carrying raw material and finished products with tarpaulin in compliance with the CPCB guidelines. Loose powdery material viz. cement /GGBS/ fine coal etc. are transported in bulkers.
vii	Water requirement from bore wells for the proposed expansion shall not exceed 200 m³/day. Efforts shall be made to further reduce water consumption by using air cooled	Our total ground water requirement is less than the permitted 200 m3/day and no waste water is being generated from the cement grinding

	condensers. All the treated wastewater should be recycled and reused in the process and /or for dust suppression and greenbelt development and other plant related activities etc. No process waste water shall be discharged outside the factory premises and zero discharge should be adopted	unit. We have also constructed & commissioned STP within the plant premises to treat the domestic waste water. The treated water is being used on-land for plantation and Green belt development.
viii	Efforts shall be made to make 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 the other sources.	We have adopted the following measures for rainwater harvesting and groundwater recharge: - Constructed rooftop rainwater harvesting structure at Stores Building, Workshop, Time office, Coal shed, MRSS Building and LC-2 Load centre and Govt Primary School, Bilakagudur Village.
ix	All the bag filters dust and cement dust from pollution control devices shall be be recycled and reused in the process used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers/reprocesses only.	All the fine dust is collected at bag filters from all operations and automatically recycled into the system. Spent oil and batteries are sold to authorized recyclers.
х	The green belt shall be developed in at least 33% area in and around the cement plant as per CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	Greenbelt in an area of 239 Acres (37%) has been developed.
xi	At least 5% of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry Regional office at Bangalore. Implementation of such programme shall be ensured accordingly in a time bound manner	We have earmarked 2% of the project cost towards corporate social responsibility. We have implemented various CSR schemes during the year 2021-22 with an expenditure of Rs.132.24 Lakhs. Proposal Budget for 2022-23 is Rs.225 Lakhs
xii	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical for health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	The project has been completed and the necessary infrastructure was provided during construction.
A	GENERAL CONDITIONS	and the same of th
I	The project authorities must strictly adhere to the stipulations made by the Andhra Pradesh State	We are adhering to the stipulations made by the Andhra Pradesh State Pollution Control Board and the State Government. We have obtained

	Pollution Control Board and the State Government.	combined consent for Air and Water and authorization for Hazardous Waste from APPCB. We are complying with all the stipulations made in the Consent Order. The consent is valid up to 30.09.2022.	
Ii	No further expansion or modifications in the plant shall be carried out without prior approval of the ministry of Environmental and Forests	Agreed. We have been granted for TOR for expansion of clinker production capacity from 2.5 to 3.4 MTPA and Cement from 4.8 to 6.0 MTPA. Letter No:J-11011/889/2007-IA-II (I) Dt:10-02-2020	
iii	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19 May ,1993 and standards prescribed from time to time. The State PCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	Gaseous and particulate emissions from various sources are within the limits prescribed by APPCB. Interlocking facilities are provided in the Pollution Control Equipment's. Average values of particulate emissions from the various stacks for the period 01.10.2021 to 31.03.2022 are as under:	
		# Stack attached to SPM - Mg/Nm³ (average)	
		1. Slagmill-1 18.50	
		2. Slagmill-2 14.26	
Iv	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, 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 Bangalore and the SPCB/CPCB once in six months.	We have installed Ambient Air Quality Monitoring stations and the ambient air quality including Ambient Noise Levels are not exceeding the standard stipulated. Monitoring of Ambient air quality and stack emission is being carried out regularly and reports are being submitted to the APPCB and last report submitted vide letter no: JSWNDL/Env-Reports/2022-23 dt:09.05.2022 for the month April 2022. We have also installed 3 nos. of Continuous Ambient Air Quality Stations (CAAQMS) and the real-time data are continuously being transmitted to APPCB website on public domain. Air Quality data are also displayed at the main factory gate	
V	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 May, 1993 and 31st Dec,1993 or as amended from time to time. The treated water shall be utilized for plantation purpose.	No waste water generated from the process. Treated waste water form STP is used on-land for gardening/greenbelt development.	

¥27	The everell poice levels in and around the plant	The overall nois	e levels in and around
vi	The overall noise levels in and around the plant area shall be kept well within the plant standards		is well within the
	85 dB(A) by providing noise control measures		ollowing measures are
	including acoustic hoods, silencers, enclosures	adopted for cont	
	etc. On all sources of noise generation.	finished p	•
		2. All major fitted with	industrial fans are silencers.
			are provided with closures & installed in coms.
		4. Compresso enclosed re	ors are installed within
			mit restrictions for ithin plant premises
			reventive maintenance and machinery by staff.
		_	es of ambient noise period 01.10.2021 to s under:
		# Location	Noise levels dBA (avg.)
		1 Near New Security G	00.00
		2 Near MRS Building	S 68.55
		3 Near Old Security G	
		4 Near Colo Gate	ny 54.00
vii	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	premises with paramedical state arrangements in addition, the concept of the programm one Mobile H	off and all emergency acluding ambulance. In ompany, as part of its ite, has also deployed lealth Care Van for
		providing med villages.	dical aid to nearby
	AFNY N	workers is being	ealth surveillance of the g done on regular basis a aintained as per the
viii	The company shall develop surface water harvesting structures to harvest the rainwater for		structed rain water ctures for harvesting iter and storm water in
	130		Rainwater is harvested

	utilization in the lean season besides recharging the ground water table.	from the storm water drains through recharge wells.
ix	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 programme, educations programmes, drinking water supply and heath care.	We are complying with all environmental protection measures and safeguards recommended in their EIA/EMP report. Also our company has undertaken various socioeconomic development activities in the surrounding villages. The key areas of community/ socio economic development are as follows:
		1) Improving Living conditions, a). Agri Business b). Heath and Nutrition c). War on Covid d). Water 2) Promoting Social development, a). Skills b). Education 3) Addressing Environmental issues a). Environment 4) Swachcha Bharat Abhiyan a) Sanitation. We have implemented various
		schemes under the above heads to achieve the CSR objectives.
x	The requisite funds shall be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by the MOEF 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.	Agreed and implementing
xi	A copy of the 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 of the proposal. The clearance letter shall be put on the web site of the company by the proponent.	A copy of clearance letter had been sent to all the concerned and no suggestions and representation were received so far. We have also put the clearance letter on the website of the company.
xii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitoring data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of	Status of compliance and monitored data are regularly uploaded on the company's website (www.jswcement.in) and reports are being sent to the regional Office of the MoEF at Bangalore and the respective Zonal Office of CPCB and monitored data are being displayed through

	MOEF at Bangalore. The respective zonal office of CPCB and SPCB. The criteria pollutant levels namely, PM ₁₀ , SO ₂ , NO _x (ambient levels as well	electronic display board at the main gate of the company in the public domain.
	as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the gate of the company in the public domain.	
xiii	The project proponent shall also submit six monthly report on the status of the compliance of the stipulated environmental conditions including results of the monitored data to the regional office of MOEF, the respective zonal office of CPCB and SPCB.	We are regularly submitting the sixmonthly compliance reports and Last six monthly compliance report submitted on 29.12.2021 vide letter no: JSWCL-NDL/MOEF&CC-CHENNAI/F-02/21-22. ambient air quality monitoring data. We are also uploading our six-monthly compliance reports in the company's website, www.jsw.in .
xiv	The Environmental statement for each finical year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned state PCB.	We are regularly submitting the environmental statement in Form-V to the APPCB.Copy of the Environment Statement is also uploaded on the company website (www.jsw.in).
xv	The project proponent shall inform the public that the project has been accorded environmental clearance by Ministry and copies of the clearance letter are available with SPCB and may also be seen at Website of the MOEF 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 regional office at Bangalore.	We have already advertised in two local newspapers (Vartha and Deccan Chronicle dated 23.09.2008) widely circulated in the region and copies of the same had been forwarded to the regional office, MoEF&CC.
xvi	The project authorities shall inform the regional office as well as the ministry date of financial closure and final approval of the projec5t by the concerned authorities and the date of commencing the land development work.	Project has been completed and is ongoing and we are communicating our progress periodically.
7	The ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Noted
8	The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Nioted.

9. The above conditions shall be enforced, interalia, under the provisions of the Water (Prevention and Control of pollution) Act, 1974, The Air (Prevent5ion & Control of pollution) Act 1981 and The Environmental Protection Act, 1986, Hazardous Waste (management, handling and transboundary) Rules, 2008 and Public (Insurance) Liability Act, 1991 along-with their amendments and Rules.

Agreed.

(Authorized Signatory)

JSW Cement Limited

town

HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARNACE FOR JSW CEMENT PLANT CLINKER 2.0 TO 2.5 MPTA & CHANGE OF PRODUT MIX FROM 4.8 MTPA (1.1 MTPA OPC & 3.7 MTPA PSC) TO 4.8 MTPA OPC/ PSC/GGBS.

MOEF& CC LETTER NO. & DATE: J-11011/889/2007-IA.II (I) Dated 09.03.2016 PERIOD OF COMPLIANCE REPORT: 01.10.2021 to 31.03.2022					
Sl.No.	SPECIFIC CONDITIONS	COMPLIANCE			CE
1	The project proponent should install 24x7 air monitoring devices to monitor air emissions, as provided by the CPCB and submit report to ministry and its regional office.	We have installed 24x7 three CAAQMS and Six online stack monitoring equipment's and real time AAQ data are transmitted to APPCB & CPCB website			
2	The standards issued by the Ministry vide G.S.R NO:612(E) dated	Average Er as follows:	mission data f	rom 01/10	0/2021 to 31/03/2022 are
	25.08.2014 regarding cement plants with respect to particulate matter ,SO2 and NOx shall be followed	Stack	Emission (mg/Nm3)	Applic able norms (mg/N m3)	Remarks
		Stack PM	16.59	30	
		Kiln Sox	1.15	1000	Pyritic Sulphur in limes e 0.68%
		Kiln NOx	254	800	Nox and So2 analyzers installed on 25/08/201
3	Continuous stack monitoring facilities to monitor gaseous emissions from the process stacks shall be provided. After expansion, limit of PM shall be controlled to meet the prescribed standards by installing adequate air pollution control viz Electrostatic precipitators to clinker, bag house to raw mill/kiln and bag filters to coal mill and cement mill. Low Nox burner shall be provided to control NOx emissions. regular calibration of the instruments be ensured.	for the major stacks and Sox and NOx analyzers in the stack to monitor PM, Sox and NOx as per latest M notification dated 25.08.2014 Regular maintenance of online emission monitor systems is done by qualified engineers deputed by AMC vendor. Facilities for online calibration and tamproof mechanism are in place.			NOx analyzers in the kiln NOx as per latest MoEF e emission monitoring gineers deputed by our
4	Efforts shall be made to achieve power consumption of 70 units / tone of Portland-Pozzolona cement (PPC) and 95 units / tone of cement for Ordinary Portland Cement and thermal energy consumption of 670 kcal/Kg of Clinker.	for the year 2021-22 was 83.03 kWh/t cement and Ther energy consumption was: 729.38 kcal/Kg of Clinker use September 2021. We are planning for cooler modification further reduce the thermal energy consumption.		Vh/t cement and Thermal kcal/Kg of Clinker up to for cooler modification to	

		-		
5	National Ambient Air Quality Standards issued by Ministry vide G.S.R No:826 (E) dated 16.11.2009 shall be followed.	Agreed and followed		
6	AAQ Modeling shall be carried out based on the specific imitative measures taken in the existing project and proposed for the expansion project to keep the emission levels well below prescribed standards.	This study was conducted during the project stage and accordingly, the bag houses (including clinker cooler) were installed to control the outlet emission below 30 mg/Nm ³ .		
7	Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines /Code of		l. Fugitive emissions	f fugitive emissions are being are maintained well within ge Ambient Air Quality data 22 are as follows:
	Practice issued by the CPCB in this regard shall be followed.	Sl no	Location	Dust concentration(mg/Nm3)
		1	Packing plant	0.53
		2	Coal mill Hopper	0.32
		3	Raw mill hopper	0.45
		4	Crusher Hopper	0.41
8	Arsenic and Mercury shall be monitored in emissions and water.	Values of Arsenic and Mercury in emissions Air and Water are as follows: 1.Kiln stack: a). Arsenic (AS): BLQ mg/Nm3 b). Mercury (Hg): BLQ mg/Nm3 2. Water a).).Arsenic (AS): Nil mg/Nm3 b).Mercury (Hg): 0.001 mg/Nm3		
9	The coal shall be lined and covered	Coal yard is lined and covered shed has been provided.		
10 =	Efforts shall be made to reduce impact of transport of the raw materials and end products on the surrounding environment including agriculture land by use of conveyer's/rail mode of transport wherever feasible. The company shall have separate truck parking area. Vehicular emissions shall be regularly monitored.	We have constructed a 10 M x 30 Km concrete road from factory to Nandyal town to reduce the impact of transport of raw material/ finished goods on the environment/agriculture land. We are also covering the trucks carrying raw material and finished products with tarpaulin in compliance with the CPCB guidelines. Loose powdery material viz. cement /GGBS/ fine coal etc. are transported in bulkers.		
11	Efforts shall be made to further reduce water consumption by using air cooled condensers. All the treated water shall be recycled and reused in the process and / or for dust suppression and greenbelt development and other plant related activities etc. No process waste water shall be discharged outside the factory premises and Zero discharge shall be adopted.	We have installed Air Cooled Condenser in CPP. Treated waste water are using used for the dust suppression. No process water will be discharged outside the factory premises. Domestic waste water treated in the STP and after the same water using for greenbelt development.		
12	Efforts shall be made to make use of rain water harvested .If needed,	We have so far adopted the following measures for rainwater harvesting and groundwater recharge:		

	capacity of the reservoir shall be enhanced to meet the maximum water requirement .Only balance water requirement shall be met from the other sources.	 Constructed rooftop rainwater harvesting structure at Stores Building, Workshop, Time office, Coal shed, MRSS Building and LC-2 Load centre and Govt Primary School, Bilakagudur Village.
		- So far the harvested water is directly recharged into groundwater.
13	Regular monitoring of influent and effluent surface, sub surface and ground water shall be ensured and treated waste water shall be meet the norms prescribed the norms by the State Pollution Control Board or described under the environment (Protection) Act, 1986 whichever are more stringent. Efforts shall be made to reduce impact of transport Leachate study for the effluent generated and analysis shall also regularly carried out and report submitted to the ministry 's regional office and SPCB and CPCB.	No effluent is being generated from the cement manufacturing process operations. Domestic waste water generated from the Canteen and offices was treated at STP and final treated waste water are using for Greenbelt development. Inlet and outlet of the STP waste water testing reports are submitting to SPCB.
14	All the bag filters dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers/reprocesses only.	Provided bag filters to control fugitive emissions at all the transfer points and the collected dust is automatically recycled into the system. Collected waste oil and batteries are sold to authorized recyclers only.
15	The kiln shall be provided with a flexible fuel feeding system to enable us of hazardous wastes and other wastes including biomass.	The suitable system has been provided to feed the hazardous waste in to the kiln.
16	The proponent shall examine and prepare a plan for utilization of high calorific wastes such as chemical wastes, distillation residues, refuse derived fuels, etc as alternate fuels based on availability and composition. For, this the proponent shall identify suitable industries with such waste and enter into an MOU for long term utilization of such wastes as per the Environmental (Protection) Rules, 1986 and with necessary approvals.	Utilization of high calorific Hazardous waste from the Preprocessing Units /Pharmaceuticals' industries waste as an alternate fuel in kiln as partial replacement of fossil fuel. The MOU with M/s. Mylan Laboratories Ltd (Units2,7, 8,9 and 10) and M/s. Ramkey Enviro Engineers for the hazardous waste for three years' agreement. HW usage from 01. 10. 2021 to 31.03.2022: 6782 MT
17	Efforts shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly. The PP shall enter into an MOU with units	Please refer to point no:16

- Mar

	with potential for generating hazardous waste and in accordance with Hazardous waste Regulations and prior of the APPCB.	
18	Green belt over 33% of the total project area shall be developed within the plant premises with at least 10 meter wide range greenbelt along the periphery of the project area and along road sides etc. by planting native and board leaved species in consultation with local DFO, local community and as per the CPCB Guidelines	Greenbelt in an area of 239 Acres (37%) has been developed.
19	The Project Proponent shall provide solar light system for all common areas, street lights, villages, parking around the project area and maintain the same regularly.	We have already provided solar lighting system in nearby villages and inside the plant premises.
20	The Project Proponent shall provide LED Lights in their office and residential areas.	All lightings are replaced with LED lights.
21	All the recommendations made in the charter on corporate Responsibility for Environmental Protection (CREP) for the cement plants shall be completd.	We are complying with all the applicable recommendations of CREP Guidelines.
22	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on local needs and action plan with the financial and physical breakup details shall be prepared and submitted to the ministry Regional office. Implementation of such program me shall be ensured accordingly in a time bound manner.	Since the expansion was carried out through optimization and minor modifications, the project capital cost was nil. However, we have already earmarked 2.5% of the project cost as mentioned in our earlier EC vide ref J-11011/889/2007-IA II (I) dt:09.03.2016 for expansion of Slag Grinding unit. Action plan for the ESC budget has also been submitted to the MoEF&CC. The same was duly implemented as committed.
23	The proponent shall prepare a detailed CSR plan for the every year for the next five years for the existing –cum-expansion project, which includes village wise, sector wise	5 year CSR plan in accordance with the Companies Act requirements has been prepared and being implemented every year by the CSR cell. Separate budget head has been created for the CSR for the
	(Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc.), activities in	year 2021-22 for Rs 1.5 Crores. CSR expenditure upto March 2022 was Rs 132.24 Lakhs as revenue expenditure and Rs nil as capital expenditure.
5	consultation with 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 profit of pervious 3 years towards CSR activities for the 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 CSR plan shall also be uploaded on the company website and shall also be provided in the annual Report of the company.	
24	A Risk Assessment study and Disaster Preparedness and Management plan along with the mitigation measures shall be prepared with a focus of Disaster Prevention and a copy submitted to the ministry regional office, SPCB and CPCB within three months of issue of environmental clearance letter.	Risk assessment cum disaster management plan with mitigation measures was prepared and included in the EIA/ EMP report and the same was submitted to the concerned regulatory authorities.
25	To educate the workers, all the work places where dust may cause a hazard shall be clearly indicated as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects.	Boards/ posters/ signs showing dust as a hazard and its associated impacts on human health are displayed in all dust prone areas. In addition, workers are periodically educated to use dust masks while working in dust prone areas. Lung function tests of workers engaged in dust prone areas is done on 6 monthly basis.
26	Provision shall be made for the housing of construction of 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.	The project has been completed and the necessary infrastructure was provided during construction.

GENE	RAL CONDITIONS	
1	strictly adhere to the stipulations made by the Andhra Pradesh	We are adhering to the stipulations made by the Andhra Pradesh State Pollution Control Board and the State Government. We have obtained combined consent for Air and Water and authorization for Hazardous Waste from APPCB. We are complying with all the stipulations made in the Consent Order. The consent is renewed in a timely manner and its validity up 30.09.2022.
2	No further expansion of modifications in the plant shall be carried out without prior	

	approval of the Ministry of Environment and Forests.					
n e d m	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, SO2 and NOx are anticipated in	provided in-coinstalled 3 CAA to APPCB & CI	nsultation AQMS and PCB website s of partic	with PCB real time A e ulate emi	officials. AAQ data	ons have been We have also are transmitted AAQS for the
	consultation with the SPCB. Data	Bocation	μgm/m³	μgm/m ³	μg/m³	μgm/m3
	on ambient air quality and stack emission shall be regularly	New Security	62.0	42.30	11.10	13.02
	submitted to this Ministry	gate MRSS	71.0	47.00	10.50	12.25
	including its Regional office at	Old Security gate		38.45	12.40	14.10
	Cheenai and the SPCB/CPCB	Colony	51.00	36.0	11.0	12.45
	once in six months.				-1	1
	dated 19 May, 1993 and 31st Dec,1993 or as amended from time to time. The treated water shall be utilized for plantation purpose. No waste water generated from the process. Treated waste water form STP is used on-land for gardening/greenbelt development.					
5	The overall noise levels in and around the plant area shall be kept well within the plant standards 85 dB(A) by providing noise control measures including acoustic hoods, silencers, enclosures etc.on all sources of noise generation.	within the stan control on nois 1. Al 2. DG s instal 3. Co 4. Sp pr Average value 01.10.2021 to 3 # Locat 1 Near Gate 2 Near 3 Near Gate	dards. The e: I major industs are products a	following ustrial fand vided with sed rooms are installed estrictions lient noise e as under Curity 65 ding 68	measures s are fitted th acoust s. ed within for vehic e levels	lant area is well are adopted for d with silencers. ic enclosures & enclosed rooms les within plant for the period adBA (avg.)
		4 Near	Colony	54	.00	
6	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Pactories Act.	on regular basis and records maintained as per the Factory Act. For this purpose, we have set up a dispensary inside the				

USF I

F		deployed one Mobile Health Care Van for marriding medical
		deployed one Mobile Health Care Van for providing medical aid to nearby villages. As part of Occupational Health Surveillance programme, we are conducting 6 monthly health checkup of workers exposed to dust and noise. The health check-up includes spirometry (lung function test), audiometry, chest X-Ray, blood examination among others. Records of periodic health checkups are maintained at the health centre.
7	The company shall develop Rainwater harvesting structures to harvest the rain water for utilization in the lean season besides recharge the ground water table.	Please refer point No. 12, Sp. Conditions.
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 ,educations programmes ,drinking water supply and health care etc.	We are complying with all environmental protection measures and safeguards recommended in their EIA/EMP report. Also our company has undertaken various socio-economic development activities in the surrounding villages. The key areas of community/ socio economic development are as follows: 1) Improving Living conditions, a). Agri Business b). Heath and Nutrition c). War on Covid d). Water 2) Promoting Social development, a). Skills b). Education 3) Addressing Environmental issues, a). Environment 4) Swachcha Bharat Abhiyan a) Sanitation. We have implemented various schemes under the above heads to achieve the CSR objectives.
9	The requisite funds shall be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by the MOEF 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 Banglore. The funds so provided shall not be diverted for any other purpose.	Agreed and implementing
10	A copy of the 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 of the proposal. The clearance letter shall be put on the	A copy of clearance letter had been sent to all the concerned. We have also put the clearance letter on the website of the company

	web site of the company by the proponent.	
11	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitoring data on their website and shall update the same periodically. It shall simultaneously be sent to the regional office of MOEF&CC at Chennai. The respective zonal office of CPCB and SPCB. The criteria pollutant levels namely,PM ₁₀ ,SO ₂ , 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 gate of the company in the public domain.	Status of compliance and monitored data are regularly uploaded on the company's website (www.jswcement.in) and reports are being sent to the regional Office of the MoEF&CC at Chennai and the respective Zonal Office of CPCB and monitored data are being displayed through electronic display board at the main gate of the company in the public domain
12	The project proponent shall also submit six monthly report on the status of the compliance of the stipulated environmental conditions including results of the monitored data to the regional office of MOEF, the respective zonal office of CPCB and SPCB.	We are regularly submitting the six-monthly compliance reports and Last six monthly compliance report submitted on 25.05.2021 vide letter no: JSWCL-NDL/MOEF&CC-CHENNAI/F-02/20-21. ambient air quality monitoring data. We are also uploading our six-monthly compliance reports in the company's website, www.jsw.in .
13	The Environmental statement for each finical year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned state PCB	We are regularly submitting the environmental statement in Form-V to the APPCB, and Copy of the Environment Statement is also uploaded on the company website (www.jsw.in).
14	The project proponent shall inform the public that the project has been accorded environmental clearance by Ministry and copies of the clearance letter are available with SPCB and may also be seen at Website of the MOEF 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 regional office at Chennai.	We have already advertised in two local newspapers (Ennadu and Deccan Chronicle dated 14.03.2016) widely circulated in the region and copies of the same had been forwarded to the regional office, MoEF.

15	The project authorities shall inform the regional office as well as the ministry date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Not applicable as it was an expansion project without any capital investment.
16	The ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Noted and agreed.
17	The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	Noted and agreed.
18	The above conditions shall be enforced, interalia, under the provisions of the Water (Prevention and Control of pollution) Act, 1974, The Air (Prevent5ion & Control of pollution) Act 1981 and The Environmental Protection Act, 1986, Hazardous Waste (management, handling and transboundary) Rules, 2008 and Public (Insurance) Liability Act, 1991 along with their amendments and Rules	Noted and agreed.

(Authorized Signatory)
JSW Cement Limited