



Village - Khar Karavi, P.O - Gadab, Taluka-Pen, Dist. Raigad, Maharashtra - 402 107 CIN - U26957MH2006PLC160839 Board: +91-2143-277-601/2/3 Fax: +91-2143 - 277-725

Date: 30th November 2022

To,

SHRI V.N. AMBADE, IFS Deputy Director General of Forests (C) Ministry of Environment, Forest and Climate Change. Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001

Subject: Submission of Half Yearly Environment Clearance Compliance report of M/s JSW Cement Limited, located Geetapuram Dolvi Pen Dist Raigad Maharashtra-Reg.

Ref: No SEAC - 2010/CR.708/TC.2, Dated 14th June 2011

Dear Sir,

With reference to the cited above, we are herewith furnishing the compliance report to stipulated conditions of E. C. in soft copy for the period of 1st Apr 2022 to 30th Sep 2022 of M/s JSW Cement Limited located Geetapuram Dolvi Pen Dist Raigad Maharashtra.

This is for your kind information and office record please.

Thanking You

Yours Faithfully For JSW Cement Limited Authorized \$ignatory

Manish Pujari (Unit Head)

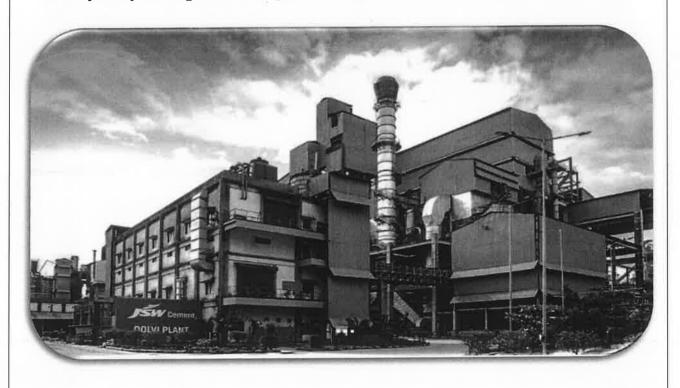
CC to RD CPCB Pune and RO Belapur

Part of O. P. Jindal Group

Regd. Office: JSW Centre. Bandra Kurla Complex, Bandra (E), Mumbai - 400 051 Phone : +91 22 42861000

: +91 22 42863000

Half yearly Compliance Report (1st April 2022 to 30th September 2022)



JSW Cement Limited, Dolvi works

(village Khar Karavi, Gadab, Taluka Pen, Dist. Raigad Maharashtra 402107)

Name of Project	:	Environmental Clearance for the Proposed Expansion project of cement grinding unit at village Khar Karavi, Gadab, Taluka Pen, Dist. Raigad by M/s. Heidelberg Cement India Ltd Environmental Clearance regarding (now JSW Cement Limited)
Clearance letter No.	:	No. SEAC-2010/CR.708/TC.2, Dated 14th June 2011
Period of Compliance	:	01st April 2022 to 30th September 2022

A	Specific Conditions	
SI. No.	CONDITIONS	COMPLIANCE STATUS
(i)	"Consent for Establishment" shall be obtained from Maharashtra State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment Department before start of any construction work at the site. MPCB should verify SO2 emission modelling submitted by project proponent as recommended by SEAC.	Complied. Consent for Establishment was granted by MPCB vide letter No BO/ APAE/TB-3/ EIC No. RD-1716-10/E/CC-259 Date 25.05.2011. Consent to Operate was granted by MPCB vide letter No BO/CAC- CELL/ EIC No./RD-3252-16-CAC-9885 Date 26.08.2016. No source of SO2 emission from any of the processes.
(ii)	No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from the respective authorities.	
(iü)	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	Agreed.
(iv)	For controlling fugitive natural dust, regular sprinkling of water and wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.	Regular water sprinkling is done on the

(v) Regular monitoring of the air quality, including SPM and S02 both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with MPCB and submit reports accordingly to MPCB.

Complied.

Air quality in work zone as well as in ambient air is monitored by an accredited 3rd party once in a month. In addition, two nos, of CAAQMS are also installed at plant periphery in consultation with MPCB for online continuous monitoring of SPM, Sox & NOx in ambient air. Real-time data are transmitted to MPCB and CPCB.

Monthly monitoring reports are submitted to MPCB on regular basis.





(vi) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge groundwater.

Complied.

The project of rain water harvesting scheme is already completed.

		Raigad, Maharashtra, India Umamad Read, Maharashtra 402107, India Lacis.868048* Leng 73.037803* a7/11/32 08:54 AM CMT +05:30
(vii)	Arrangement shall be made that waste water and storm water do not get mixed.	Complied.
(viii)	Periodic monitoring of groundwater shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to Maharashtra Pollution Control Board (MPCB).	Complied. Periodic monitoring of groundwater is being done and report is submitted to the Board.
(ix)	Leq of noise level shall be maintained as per standards. For people working in high noise areas, requisite personal protective equipment's like ear plugs etc. shall be provided.	Complied. Noise levels in work zone as well as in ambient are maintained within the norms. Ear plugs are provided to persons working in high noise areas.
(x)	The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on aI1 sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 and Rules 1989.	Complied. We have provided silencers, acoustic enclosures where necessary and feasible to control the overall noise levels within the prescribed limits. Ambient noise levels are maintained well within the prescribed limits.

Green belt shall be developed and maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including section of plant species and in consultation with the local DFO/ Agriculture Department.

Complied.

Greenbelt is being developed along the periphery and also in vacant areas of plant. CPCB guidelines being followed.

Species planted

Banyan, Bael, Champa, Neem, Ashoka, Sheeshar hristmas, peepal, badm, coconut trees, peltophorum, cluster, kikar, reetha, avla, drun stick, gulmohar, mango, gauva, cashew, dolar, ropalm, tamrind, rubber, karanj, acacia, palas, chiki weet apple, bakulla, rain tree, niva, neelgiri, cykash, jamun, banana, suru, conocorpus, papaya





Complied. Adequate safety measures shall be provided to limit (xii) All the required safety measures have been the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be implemented in line with the requirements of installed at strategic locations for early detection the Factories Act and State Factory Rules. We have implemented 3rd party accredited ISO and warning. 14001 2015 & ISO 45001:2018 based safety management system since 2015. The system is audited by internal as well as external auditors at periodic intervals. Complied. Occupational health surveillance of workers shall be (xüi) done on a regular basis and records maintained as Regular health checkup of employees is done and records are maintained as per Factories per factories Act. Act. Complied. The company shall make the arrangements for (xiv) protection of possible fire hazards during Fire hydrant is installed throughout the plant. manufacturing process in material handling. In addition, dedicated fire tender and firefighting team is available round the clock inside the plant premises. aigad, Maharashtra, India nnamed Road, Maharashtra 402107, GPS Map C Raigad, Maharashtra, India Unnamed Road, Maharashtra 402107. Lat 18.682747* Long 73.037267 Google 04/11/22 10:20 AM GMT +05:30

(xv)	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the hazardous Waste Management and handling Rules, 2003 (amended). Authorization from MPCB shall be obtained for collection/treatment/storage/disposal of	Complied. We have obtained due authorization from MPCB for collection, handling, storage and disposal of hazardous waste. Hazardous waste (used oil and waste grease) is sold to authorized recyclers only.
	hazardous wastes.	
(xvi)	The company shall undertake following Waste	Complied.
	Minimization Measures.	The latest technology VRM requires less oil
		and grease.
(xvii)	Regular mock drills for on-site emergency	Complied.
	management plan shall be carried out.	Mock drills with regard to identified
	Implementation of changes, improvements	emergencies are conducted once in six
	required, if any, in the on-site management plan	months. The results of mock drills are
	shall be ensured.	reviewed by the Safety committee and
		recommendations for improvement, if any,
- 6		are implemented by safety department.

ON SITE EMERGENCY PLAN REHEARSHAL (MOCK DRILL)

Date: 27.06.2022

Time : 19:35

Venue: JSW CEMENT DOLVI UNIT

Location: Main gate

Scenario: - Heavy Structure collapsed in 1.6 MTPA Project Observer: - Mr. Nilesh Chaudhari – Shift Safety Incharge Mr. Gajanan Rajhans – Security In Charge

Incident Description: For evaluation of emergency preparedness, we conducted emergency rehearsal at 19:35 at MAIN GATE (Assembly point). We had conducted an emergency rehearsal on assuming that a heavy structure is collapsed in the 1.6 MTPA project time in the "B" shift for checking of our emergency preparedness is in line with or not.

The observations made on emergency preparedness are as: -

What went well: -

Sr. No	Timing	Activities	Action
1	19:35	Emergency siren blown for 3 minutes	Inline
2	19:37	Informed to the security gate	Inline
3	19:38	Employees started to gather at main gate side assembly point	Inline
4	19:42	Emergency Vehicle reached at site	Inline
5	19:43	Wheelchair, stretcher ready at site Inline	
6	19:47	Head count of JSW employees and contractor employees (70)	
7	19:48	Training imparted on "How to handle an accident situation, knowing the nature of accident, taking injured person to the hospital as soon as possible." by Mr. Gajanan Rajhans,	Inline

		Security & Mr. Nilesh Chaudhari, EHS		
8	20:15	All clear Siren	Inline	

Addressing Plant Personal

During the mock drill, we checked our emergency preparedness level and it's found satisfactory but there is some scope for further improvement. We closed this rehearsal followed by training on "How to handle a sudden emergency in a project work site". Following points are discussed among the workmen during the emergency preparedness: -

- How to act during the emergency situation
- How can we have identified the emergency situation inside the plant premises
- What is the role and responsibilities of the rescue team?
- How to communicate during the emergency?
- How to identify that emergency situation is over (About all clear Siren Pattern)?

What went wrong: -

Without making noise employees were coming towards main gate	More awareness program to be	Action Plan 01.07.2022
were coming towards main gate	program to be	01.07.2022
assembly point	arranged	
2-4 employees were not in active mood as they were found relaxed	More awareness program to be arranged	01.07.2022
2 no's our own employees and 5 associate employees were not reached at spot because he were engaged in plant operation.		01.07.2022
n 2 as	no's our own employees and 5 sociate employees were not eached at spot because he were	program to be arranged no's our own employees and 5 sociate employees were not eached at spot because he were

Note:- Total numbers of employees were presented in "B" shift	: 55
Own employees – 10, Associates – 45	
Total numbers of employees assembled at spot	: 70
Own employees – 08, Associates – 40	
Security – 08, Drivers- 12, others- 08	
Number of employees not reached at spot	:07

The above points are to overcome by providing awareness training and rectified during next mock drill

Manindra Nawtan AGM Safety & Environment To"- All Concerned





(xviii) A separate environment management cell with qualified shall be set up for implementation of stipulated environmental safeguards.

Complied.

Separate environment management cell is in place for implementation of stipulated environmental safeguards.

[]	Transportation of ash shall be through closed	Noted.
(xix)	1	
	containers and all measures shall be taken to prevent	whenever we start using fly ash.
	spilling of the ash.	
(XX)	Separate silos shall be provided for collecting and	Noted.
	storing bottom ash and fly ash.	We shall comply with the condition
		whenever we start using fly ash.
(xxi)	Separate funds shall be allocated for implementation	Complied.
	of environmental protection measures/ EMP along	Separate funds for implementation of
	with item wise breakup. These costs shall be	environmental protection measures/ EMP has
	included as part of project cost. The funds	been allocated. These funds have been
	earmarked for the environment protection measures	included in the project cost.
-<	shall not be diverted for other purposes and year	Year wise expenditure on environment
	wise expenditure should reported to the MPCB and	management is being reported to MPCB and
	this department.	SEAC as part of the Annual Environment
	tills department.	Statement (Form-V)
(- m-ii	TI : I	Complied.
(xxii		Complied.
	two newspapers widely circulated in the region	
	around the project, one of which shall be in Marathi language of the local concerned within seven days	
	of issue of this letter, informing that the project has	
	been accorded environment clearance and copies of	
	environment clearance letter are available with	
	Maharashtra Pollution Control Board and may also	
	be seen at the website at	(6
	http://envis.maharashtra.gov.in.	
(xxii		Complied.
(***	compliance reports in respect of the stipulated prior	Half yearly EC compliance reports are
	environmental terms and conditions in hard and	regularly submitted to MPCB and SEAC.
	soft copies to the MPCB and this department on 1st	regularly submitted to MI CD and SEAC.
	June and 1st December of each calendar year.	
(xxiv		Complied.
	proponent to the concerned Municipal Corporation	EC letter can be accessed on our company
	and the local NGO, if any, from whom suggestions/	website: https://www.jswcement.in/wp-
	representations, if any, were received while	content/uploads/2020/08/EC-of-1.70-MTPA-
	processing the proposal. The clearance letter shall	of-ISW-Cement-Dolvi.pdf
	also be put on the website of the Company by the	of joir Comence Borrigan
	proponent.	

The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely, SPM, RSPM, SO2 and NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

Complied.

Online data for stack and ambient air are electronically displayed near the main factory entrance.



(xxv i) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as email) to the respective regional office of the MoEF, the respective zonal office of CPCB and the SPCB.

Complied.

Six monthly compliance reports are regularly sent to the respective regional office of the MoEF, the respective zonal office of CPCB and the SPCB.

(xxvi

The Environmental Statement of each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board, as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective regional offices of the MoEF by email.

Complied.

The Environment Statement in Form V is regularly submitted to the Maharashtra State Pollution Control Board (MPCB) and is also put on the website of the Company along with the status of compliance of EC conditions and also sent to the regional office of the MoEF by email.



Maharashtra Pollution Control Board महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14) Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number MPCB-ENVRONMENT_STATEMENT-0000048517

21-09-2022

PART A

Company Information

Company Name

Application MMI number

JSW Coment Limited

Address Village-Khar Karavi, P.O-Gedale, Tal-Pen, Dist-Raigad

Flat se

Capital Investment (la lakhs)

21013 Pincode 402107

9449598309

021/43/277725

Region SRO-Raigad II

Industry Category

Consant Number

Format1.0/CAC/UAN No. NIPCB-CONSENT-0000114682/CR-2110000929

Consent Valid Upto

Establishment Year

2026-07-31 Industry Category Primary (STC Code) & Secondary (STC Code) 1999

manish.pujari@jsw.in

Industry Type

R26 Commit

Consent Issue Date

2021-10-20

Date of last environme statement submitted

Sep 20 2021, 12:00:00:008/69

Product Information Product Mame

Portland Sing Coment/Ground Granulated Blest Furnece Sing Coment.

Consent Quantity

1700000

Actual Quantity

977854

BICKS

MILES.

By-product Information By Product Hame

HOL HTJA.

Part-B (Water & Raw Material Consumption)

) Water Consum Vater Consum	umption in m3/day option for	Consont Qua	antity in m3/day	8.1	imal Quantity in m3N 50	iny	
Cooling		255.00		19	4.50		
Nomestic		20.00		17	.50		
Lif others		5.00		4.5	17		
Personal		280.00		23	&U7		
	neration in CMD / MLD				25 56	DICORE .	
Particulars 900	10	Con 30	sent Quantity	71.75	of Quantity	NLD	
200		1.00		66.25		MLD	
July Suspended Solid	is .	59		35.42		MLD	
	No. Way a great						
process water	e Process Water Consum per unit of product) icts (Production)	ption (cubic mater of	During the Pro- financial Year	vious	During the current Financial year	MON	
ÇG5Ş			.06		.07		
'9C			-06		.07		82
	al Consumption (Consum)	otion of raw material					
per unit of pro Name of Row h			During the Previo financial Year		furing the current Inancial year	WOFF	
ranulated Step	for GGBS		1.00		_00	Tam/Ton	
linker for PSC			0.374		L371	They Ton	
Granulated Slog	tor PSC		0.594		1579	Tum/Fon	
Junici Ges			0.0105		L024	Then/Ton	
krivatin Gyper			0.0227			Tem/Ton	
I) Fuel Consun	mption					*	
Manso	as for Grinding MIII		ensent quantity 50000		had Quantity 95223		
Oke Oven Gas !	for Grinding Mill	87	30	29	70.5		
DOMES for Gri	nding MIII	0.0	10022	0.0	0002	Ton/Y	
Slast Fumace Ga	as for Coment Mill	15	00000	56	9189.9		
Coke Oven Gas f	for Cement Mill	23	2500	30	707.33		
DOWNSD for Car	ment MIII	0.1	00022	0.0	00023	Tonff	
Part-C							
	arged to environment/ur	nit of output (Paramet	er as specified in t	he consen	t issued)		
(4) Water Pollutants Dutail	Quantity of Pollutants discharged (kL/day)	Concentration of Poli discharged(Mg/Lit) E PH, Temp, Colour	lutants Per	rcentage o m prescri	of variation		

NE	0	0	NII			
(B) Air (Stack) Pollutants Detail	Quantity of Pollutants discharged (M./day) Quantity	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons %variation	Standard A	lanton	
TPM (Grinding MIII)		30	41.93		iood Centrol	
TPM (Cornert MIII)		30	36.67	38 G	ical Central	
Part-D						
MAZARDOUS WAS 1) From Process Hazardous Waste 5.1 Used or spent o	Type Total During P	revious Financial year	Total During Correct Fine	molal year	асм мтр.	
2) From Pollution Hazardous Waste 0	Control Facilities 7)po Total Durk	ng Province Financial year	Total During Current Fin	ancial year	UOM HTPL	
Part-E						
SOLID WASTES I.) Prom Process Non Hazardous W NA	fasto Type Total Duri 0	ing Previous Financial year	Tutol During Current Fit	nancial year	ALTHE MORE	
2) From Pollution See Hazardous W NA	Control Facilities faste Typie To 0	and During Previous Financial y	Total During Current 0	t Pinancial ye	or grow Mila	
	ded or Re-utilized wit	hin the				
unit Waste Type		Total During Provid	ous Pinancial Total During	Correct Finan	cial DOM	
D		0	0		MITTAL	
Part-F						
Please specify thi Indicate disposal	e characteristics(in te practice adopted for	erms of concentration and quan both these categories of waste	tum) of hazardous as well a s.	s solid wastes	and	
1) Hazardous Wa: Type of Hazardou 5.1 Used or spent o	s Illusto Generated (Oty of Hazardous Waste COM MIJA	Concentration of Hazardou IIA	s Waste	ē.	
	sta Generated	Qty of Solld Waste	MON Concentration	of Solid Wast	ie .	
Type of Selld Was		n .				
2) Solid Weste Type of Selid Was NA		O	MIGR MA			

impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of 439.97 Present cost, Filter Bags and Cage cost 5.65 Grann Bult Development (B) Investment Proposed for next Year Part-l Any other particulars for improving the quality of the environment. nish Pelari- Unit Hand (GM) MPCB-ENVIRONMENT_STATEMENT-0000046517 21-09-2022 The environment Clearance is being issued Noted. (xx without prejudice to the court case pending in the vii i) court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him. Noted. The environment department reserves the right to revoke the clearance if the conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason. **Environment** Noted. Clearance: Validity of Environment Clearance accorded shall be valid for a period of 5 years to start of production operations. Noted. In case of any deviation or alteration in the project proposed those submitted to from department for clearance, a fresh reference should be made to the department to assess the adequacy of the conditions imposed and to incorporate additional environment protection measures required, if any.

7	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Waste (Management & Handling) Rules, 1989 and its amendments and the Public Liability Insurance Act, 1991 and its amendments.	Noted and being Complied.
8	Any appeal against this environment clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under section 11 of the National Environmental Appellate Act, 1997.	

For JSW Cement Limited Authorized Signatory

Manish Pujari (Unit Head)