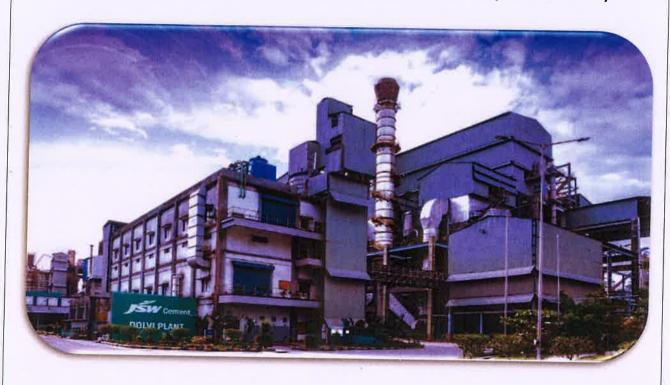
Half yearly Compliance Report (1st April 2023 to 30th September 2023)

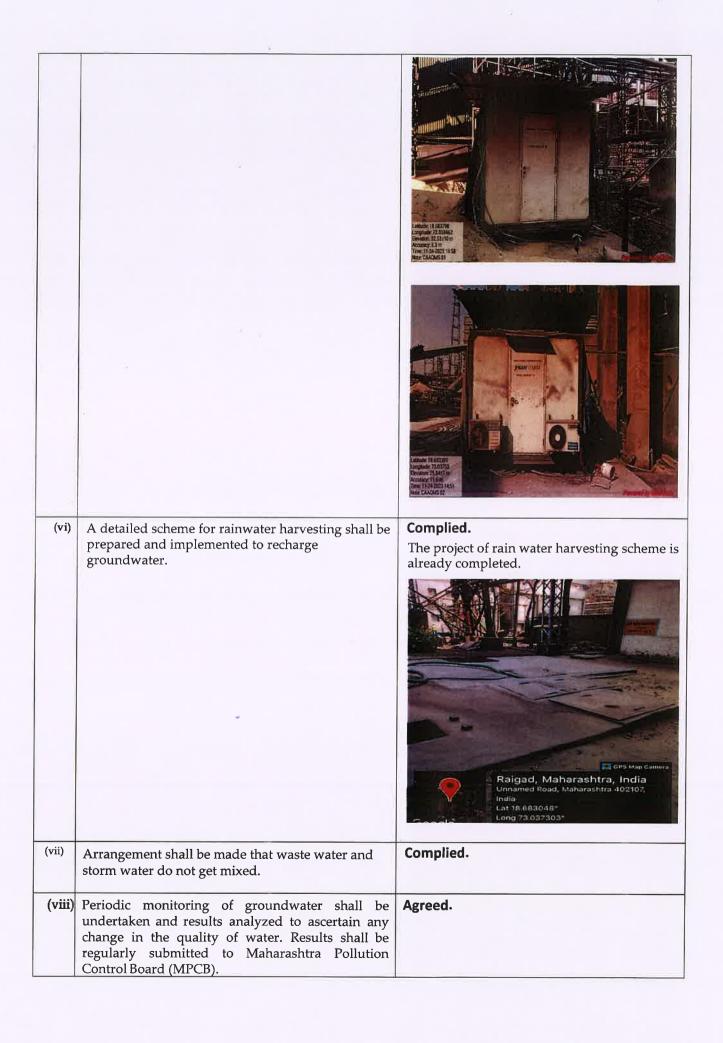


JSW Cement Limited, Dolvi works

(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.	1:	No. SEAC-2010/CR.708/TC.2, Dated 14th June 2011
Period of Compliance	:	1st April 2023 to 30th September 2023

Com	pliance	
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.	Agreed.
(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.	Complied. Regular water sprinkling is done on the unpaved areas. Wind shields are provided during monsoon (when the wind velocity is high) at the raw material storage area.
(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.



(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 all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 and Rules 1989.	

(xi 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,Sh eesham,christmas,peepal,badm,coconu t trees, peltophorum,cluster, kikar, reetha, avla, drumstick, gulmohar, mango, gauva, cashew,dolar,royal,palm,tamrind,rubb er,karanj,acacia,palas,chiku,sweet apple, bakulla, rain tree, niva, neelgiri, cykash, jamun, banana, suru, conocorpus, papaya





		Lamble (BLAS772) Lonymin 73-83745 Lonymin 73-83745 Alkania 413-11 in Accompt 15-11 Line 11-3-4-3-20 (152) Line years lat
(xii)	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic locations for early detection and warning.	Complied. All the required safety measures have been implemented in line with the requirements of the Factories Act and State Factory Rules. We have implemented 3rd party accredited ISO 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.
(xüi)	Occupational health surveillance of workers shall be done on a regular basis and records maintained as per factories Act.	Complied. Regular health checkup of employees is done and records are maintained as per Factories Act.
(xiv)	The company shall make the arrangements for protection of possible fire hazards during manufacturing process in material handling.	Complied. Fire hydrant is installed throughout the plant. In addition, dedicated fire tender and firefighting team is available round the clock inside the plant premises.
		Lastics (1997) Lastics (1997)
(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 hazardous wastes.	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.

(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,
		are implemented by safety department.

ON-SITE EMERGENCY PLAN REHEARSHAL (MOCK DRILL)

Date : 12.04.2023

Time: 19:30 Hours

Venue : JSW Cement, Dolvi Unit Location: Plant

Observer Name : Mr. Nilesh Chaudhari

EMERGENCY SITUATION : FIRE at LDO tank, Scrap Yard

S.No	Time	Activities	Action
1.	19:31	Informed the emergency control room	In line
2.	19:31	Emergency siren starting time	In line
3.	19:33	Emergency siren blown as per pre decided siren pattern for emergency (up to 03 minutes with high & low pitch)	In line
4.	19:32	Switch off the power in case of electrical fire	In line
5.	19:32	Arrange to keep the personal away from the affected area	In line
6.	19:32	Cordon off affected area	In line
7.	19:33	Shut down the consuming point	In line
8.	19:35	Remove the other combustible materials from nearby the fire point	In line
6.	19:36	Try to arrest the spilled /leaked oil within the dyke wall & oil pit	In line
8.	19:35	Extinguish the fire by departmental trained	
9.	19:33	Inform occupational Health Centre for their help in case of any injury	In line
10	19.40	Clean up the area after fire extinction & dispose the waste material suitable to their place.	In line

Addressing by Shift In-charge Head

On dated, 12.04.2023 @ 19:30 PM, we arranged a mass gathering as it was arranged on short notice of management i.e. we used emergency siren for gathering the employees and also to check our emergency preparedness. The overall response from all the employees during this drill was in line with our emergency preparedness plan.

We concluded this drill with safety oath and committed that we all will follow safety procedure religiously and make our working environment safest workplace.

Drawbacks

S.No	Description	Action	Status
1.	Fire Extinguisher safety pin	Inspect the fire	Now it is
	has been tied fit at the time	extinguisher in	okay
	of mock drill.	regular basis	
2.	Casual approach towards	Awareness program	Conducted
	gathering at assemble point	to be arranged	

Note: -Total numbers of employees present during that time : 32

Total numbers of employees assembled at spot : 28

Number of employees not reached at spot : 04

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

Manindra Nawtan
Safety Manager
To:-All Concerned
Apex Safety Committee
Incident Investigation Sub-Committee

Photographs: -



(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.

	*	
(xix)	Transportation of ash shall be through closed containers and all measures shall be taken to prevent spilling of the ash.	Noted. We shall comply with the condition whenever we start using fly ash.
(XX)	Separate silos shall be provided for collecting and storing bottom ash and fly ash.	Noted. We shall comply with the condition whenever we start using fly ash.
(xxi	Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item wise breakup. These costs shall be included as part of project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should reported to the MPCB and this department.	Complied. Separate funds for implementation of environmental protection measures/ EMP has been allocated. These funds have been included in the project cost. Year wise expenditure on environment management is being reported to MPCB and SEAC as part of the Annual Environment Statement (Form-V)
(xxii	The project management shall advertise at least in 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 http://envis.maharashtra.gov.in .	Complied.
(xxii		Complied. Half yearly EC compliance reports are regularly submitted to MPCB and SEAC.
(xxiv	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied. EC letter can be accessed on our company website: https://www.jswcement.in/wp-content/uploads/2020/08/EC-of-1.70-MTPA-of-JSW-Cement-Dolvi.pdf

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 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 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000059446

Submitted Date

25-09-2023

Village

City

Pen

Khar Karavi

Designation

Unit-Head (GM)

Industry Type

R26 Cement

manish.pujari@jsw.in

Consent Issue Date

PART A

Company Information

Company Name

Application UAN number

JSW Coment Limited

MPCB-CONSENT-0000114612/CR-2110000929

Village Khar Karavi, P.O-Gadab, Tal.

Pen, Dist. Raigad

Taluka

Pan

Capital Investment (In lakhs) 21013

Scale Large

Pincode

402107

Person Name Manish Pujari

Telephone Number

Fax Humber

9449598309

02143277725

Region

SRO-Raigad II

Industry Category

Consent Number

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

Consent Valld Upto

Establishment Year

2021-10-20

Date of last environm statement submitted

2026-07-31

1999

jan 1 1900 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Last Environmental statement submitted online

Product Information

Product Name

Portland Slag Cement/Ground Granulated Blast Furnace Slag Cement

Consent Quantity

Actual Quantity

UOM

1700000

1106621

MT/A

By-product Information By Product Name

Consent Quantity

Actual Quantity

HOM

NA

MT/A

Part-B (Water & Raw Material Consumption)

(8) Air (Stack) Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pol discharged(Mg/NM3)		Percentage of from prescrib standards will	ed		
MI	0	0		NE		MI	NE
(A) Water Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Poli discharged(Mg/Lit) E. PH, Tamp, Colour Concentration		from presc	with reasons	Standard	Reason
	ged to environment/u	nit of output (Paramete	er as specil	led in the cons	ent issued)		
Part-C							
LDO/HSD		509700		66143		Ltr/A	
Coke Oven Gas		504000		3148.76		M3/Month	1
Blast Furnace Gas		2376000		2330533		M3/Month	1
4) Fuel Consump Fuel Name	tion	Consent quantity		Actual Quan	tity	UOM	
Anhydrite Gypsum			0.0267		0.017		Ton/To
Chemical Gypsum			0.024		0.017		Ton/To
Granulated Slag fo	r PSC		0.579		0.662		Ton/To
Clinker for PSC			0.371		0.304		Ton/To
Granulated Slag fo	r GGBS		financial		Financial yea 1.00		Ton/To
3) Raw Material per unit of produ Name of Raw Ma		option of raw material	During th	e Previous	During the cu	irrent	WOM
PSC			0		0		
GGBS			0	THE PERSON NAMED IN	0	,	
	or unit of product)	mption (cubic meter of	Durin	g the Previous	During th		UOI
Domestic effluent			14		11.5		CMD
Trade effluent			0		0		CMD
2) Effluent Gene Particulars	ration in CMD / MLD		Consent Q	uantity	Actual Quantil		иом
Total		280.00			279.96		
All others		5.00			4.99		
Domestic		20.00			19.98		
Cooling		255.00			254.99		
Process	tion for	Consent Quantity in m3/day 0.00			Actual Quantity in m3/day 0.00		

TPM (VRM-1)	Quantity 40.98		oncentration 4.66	%variati 0	lon	Standard 30	Reason Good Contro
TPM (VRM-2)	36.86	1	3	0		30	Good Contro
Part-D							
HAZARDOU							
1) From Pro Hazardous	Charles and the Control of the Contr	al During Previ	ious Financial year	Total Durin	Current Finan	icial year	UOI
5.1 Used or s	spent oil 0		17 Control Control (1900)	0			MT#
	ilution Control F						
Hazardous 0	Waste Type	Total During P	Previous Financial yea		ng Current Fina	ncial year	MON
· ·		0		0			MT/A
Part-E							
SOUD WAS							
1) From Pro Non Hazard		Total During F	Previous Financial yea	r Total Dur	ing Current Fin	ancial year	UOP
NA		0		0		,	MT/A
	llution Control Fa	The state of the s					
Mon Hazard	MALLE MERCEN TURNS					Financial we	ar UOM
	ous made type		During Previous Finan		During Current		
NA .	our made type	O	Junng Previous Finan	0	During Current		MT/A
NA 3) Quantity unit	Recycled or Re-	0	the	0		•	MT/A
NA .	Recycled or Re-	0	the		Total During C	•	MT/A
NA 3) Quantity unit Waste Type	Recycled or Re-	0	the Total During i	0		•	MT/A
NA 3) Quantity unik Waste Type 0	Recycled or Re-	0	Total During i	0	Total During C	•	MT/A
NA 3) Quantity unit	Recycled or Re-	0	Total During i	0	Total During C	•	MT/A
NA 3) Quantity unit Waste Type 0 Part-F Please speciadicate dis 1) Hazardou	Recycled or Re-	outilized within (Total During i year 0 of concentration and these categories of a	Previous Financial quantum) of hazer	Total During C year 0	urrent Final	MT/A
NA 3) Quantity unit Waste Type 0 Part-F Please speciadicate dis 1) Hazardou Type of Haz	Recycled or Re-	outilized within (Total During i year 0	Previous Financial quantum) of hazer	Total During C year 0	urrent Final	MT/A
NA 3) Quantity unit Waste Type 0 Part-F Please speciadicate dis 1) Hazardou Type of Haz 5.1 Used or s 2) Solid Was	Recycled or Re-	distics(in terms lapted for both	Total During i year 0 of concentration and these categories of a	quantum) of hazar vastas.	Total During C year 0 dous as well as	current Final solid waste Waste	MT/A mcial UOM MT/A
NA 3) Quantity unit Waste Type 0 Part-F Please specindicate dis 1) Hazardou Type of Haz 5.1 Used or s 2) Solid Was Type of Solid	Recycled or Re-	distics(in terms lapted for both	Total During i year 0	quantum) of hazar vastas. UOM Concentratio MT/A NA	Total During C year 0 dous as well as n of Hazardous	current Final solid waste Waste	MT/A mcial UOM MT/A
NA 3) Quantity unit Waste Type 0 Part-F Please specindicate dis 1) Hazardou Type of Haz 5.1 Used or s 2) Solid Was	Recycled or Re-	distics(in terms lapted for both	Total During i year 0 of concentration and these categories of a	quantum) of hazar vastas. UOM Concentratio MT/A NA	Total During C year 0 dous as well as	current Final solid waste Waste	MT/A mcial UOM MT/A
NA 3) Quantity unit Waste Type 0 Part-F Please speciadicate dis 1) Hazardou Type of Haz 5.1 Used or s 2) Solid Wai	Recycled or Re-	distics(in terms lapted for both	Total During i year 0 of concentration and these categories of a	quantum) of hazar vastas. UOM Concentratio MT/A NA	Total During C year 0 dous as well as n of Hazardous	current Final solid waste Waste	MT/A mcial UOM MT/A
NA 3) Quantity unit Waste Type 0 Part-F Please speciadicate dis 1) Hazardou Type of Haz 2) Solid Was Type of Soli NA Part-G	Recycled or Re-	outilized within the street of	Total During i year 0 of concentration and these categories of a	quantum) of hazar vastes. UOM Concentratio MT/A NA	Total During C year 0 dous as well as n of Hazardous Concentration (NA	current Finan solid waste Waste	MT/A mcial UOM MT/A

Air Pollution	0	0	0	0	18.15	0
Part-H						
		vestment proposal uring the period of		al protection abat	ement of pollution,	prevention of pollution
Statement		Environmental Prot		Environmenta	l Protection Measu	res Capital Investment (Lacks)
Power cost, F	iter Bags an	d Cage cost		To control dust	emission	648.91
Green Belt D	evelopment			To develop gare	den and plantation	2.92
	asures for i	nd for next Year Environmental Prote		nental Protection tation and Gardenin		investment (Lacks)
Part-I						
Any other p	articulars fo	or improving the qu	ality of the envir	ronment.		
Particulars NA						
Name & Des Manish Pujari	The second second second	GM)				
WAN No: MPCB-ENVIRO	NMENT STAT	TEMENT 0000059446				
Submitted 0 25 09 2023	lin:					
23 09 2023						
		ent Clearance			ed.	
		ce to the court				
		nd it does not		. ,		
1		not violated				
		st and whatev				
		will be bindi	0	A /		
		nce this cleara				
	ainst him	e project prop	onent in ti	ne case		
			ocorros the	right to N-1	a d	
THE CITY		nt department r rance if the co			eu.	
		nented to the				17
		for that matt				
	strative r		, 202 421)			
Validit		Environment	Clearance	: The Note	ed.	
		learance accord				
		5 years to s				
operation			r-0			
		eviation or alter	ation in the	project Note	ed.	
propose	-		bmitted to	* '		
1		clearance, a fres				
_		lepartment to a				
	condition			rporate		
of the		ns imposed a ironment pro	nd to inco	^		

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.	
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.	Noted.

For JSW Cement Limited Authorized Signatory

Manish Pujari (Unit Head)