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-ENVIRONMENT\_STATEMENT-0000042591

## PART A

#### **Company Information**

*Company Name* JSW Cement Limited

#### Address

JSW Cement Limited, (Slag Sand /Manufactured Sand(M Sand)Unit), 95/1, 95/1, Khar Karavi, Po.Gadab, Tal. Pen, Dist-Raigad

**Plot no** 95/1,95/1

**Capital Investment (In lakhs)** 1990.00

**Pincode** 402107

Telephone Number 02143277601

**Region** SRO-Raigad II

Last Environmental statement submitted online no

Consent Valid Upto

2022-06-30

(STC Code)

Industry Category Primary (STC Code) & Secondary

2020

Red

Submitted Date 20-06-2022

**Village** Khar Karavi

**City** Pen

**Designation** Unit Head

Email sanjay.jadhav@jsw.in

Industry Type R26 Cement

Consent Issue Date 2021-07-14

**Date of last environment statement submitted** Jun 20 2022 12:00:00:000AM

Product Information			
Product Name	Consent Quantity	Actual Quantity	UOM
Slag Sand/(Manufactured Sand(M Sand))	1000000	33512.37	MT/A
By-product Information			
By Product Name	Consent Quantity	Actual Quantity	UOM
NA	0	0	MT/A

Application UAN number

NA

Taluka

Pen

Scale

RED/L.S.I.(R26)

Person Name

Fax Number

Mr.Sanjay Jadhav

Industry Category

**Consent Number** 

Format1.0/CAC/UAN

**Establishment Year** 

No.0000102838/CO-2107000772

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day		
Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	0.00	0.00
Cooling	5.00	4.00
Domestic	1.00	0.80
All others	0.00	0.00
Total	6.00	4.80

2) Effluent Generation in CMD / MLD			
Particulars	<b>Consent Quantity</b>	Actual Quantity	UOM
Suspended Solids	50	33.67	MLD
BOD 3 Days 27Degree C	30	21.25	MLD
COD	100	66.25	MLD

#### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product) Name of Products (Production) During the Previous During the current

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Slag Sand/(Manufactured Sand (M Sand))	0	33512.37	MT/A

3) Raw Material Consumption (Cor per unit of product)				
Name of Raw Materials		During the Previous financial Year	During the current Financial year	UOM
Slag		0	35185	MT/A
4) Fuel Consumption				
Fuel Name	Consent quantity	y Actual	Quantity	ИОМ
COG	468	423.84		CMD

## Part-C

[A] Water					
Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Nil	0	0	Nil	Nil	Nil

#### [B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
ТРМ	0.27	1	3.33	30	Good Control

## Part-D

Hazardous Waste TypeTot5.1 Used or spent oil0	al During Previous Fin	ancial year	<b>Total Duri</b> 0	ng Current Financia	-	<b>ЮМ</b> 1Т/А
2) From Pollution Control Fa	cilities					
Hazardous Waste Type	Total During Previous	s Financial year	Total Du	ring Current Financi	al year UO	М
0	0		0		MT/	Ά
Part-E						
SOLID WASTES						
1) From Process Non Hazardous Waste Type	Total During Provinu	s Einancial voar	Total Du	uring Current Financ	ial voar II	юм
NA	0	s i manciai yeai	0	anny current i manc	-	1T/A
2) From Pollution Control Fa	cilities					
Non Hazardous Waste Type		Previous Financ	ial year Tota	l During Current Fir	nancial year U	юм
NA	0		0		Μ	1T/A
3) Quantity Recycled or Re-u	utilized within the					
unit Wasta Tura		Total During D		I Total During Curr	want Financial II	
Waste Type		year	revious Financia	l Total During Curi year	rent Financial – U	ЮМ
0		0		0	Μ	1T/A
Part-F						
Please specify the character indicate disposal practice ad				ardous as well as so	lid wastes and	
1) Hazardous Waste			<b></b>			
<b>Type of Hazardous Waste Go</b> 5.1 Used or spent oil	onerated Qty of Haza 0		<b>OM Concentrat</b> T/A NA	ion of Hazardous wa	aste	
5.1 Used of spent on	0	IAI	I/A NA			
2) Solid Waste						
Type of Solid Waste Genera	ted Qt	y of Solid Waste	UOM	Concentration of S	Solid Waste	
NA	0		MT/A	NA		
Part-G						
Impact of the pollution Cont production.	trol measures taken o	n conservation o	of natural resour	ces and consequent	ly on the cost of	
Description Reduction in	Reduction in Fuel	Reduction in	Reduction in	Capital	Reduction in	
Water Consumption (M3/day)	& Solvent Consumption (KL/day)	Raw Material (Kg)		Investment(in Lacs)	Maintenance(in Lacs)	1
Air POllution 0	( <b>KL/day)</b> 0	0	( <b>KWH</b> ) 0	30	0	

#### Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution. [A] Investment made during the period of Environmental Statement

Power cost , Filter Bags ,Cage cost	To control dust emission		30
Green Belt Development	To develope Garden & Pla	ntation	2.5
[B] Investment Proposed for next Year Datail of moasures for Environmental Protection	Environmental Protection Measures	Canital Invo	stmont (Lacks)
<b>[B] Investment Proposed for next Year</b> <b>Detail of measures for Environmental Protection</b> Green Belt Development	<b>Environmental Protection Measures</b> Tree Plantation & Gardening	<b>Capital Inves</b> 4.5	stment (Lacks)

#### Part-I

Any other particulars for improving the quality of the environment.

#### Particulars

NA

#### Name & Designation

Mr. Sanjay Jadhav -Unit Head

#### UAN No:

MPCB-ENVIRONMENT\_STATEMENT-0000042591

## Submitted On:

20-06-2022

Maharashtra Pollution Control Board

Application UAN number

NA

Taluka

Pen

Scale

Large

Red

2018

Person Name

Fax Number

02143277725

Mr. Manish Pujari

Industry Category

**Consent Number** 

Format1.0/CAC/UAN No.

Establishment Year

0000106885/CR-2107000771



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-ENVIRONMENT\_STATEMENT-0000045204

## PART A

#### **Company Information**

Company Name JSW Cement Limited(Cement Grinding Unit)

**Address** 95,96&98, Vill- Khar Karavi, PO.-Gadab,Tal-Pen, Dist-Raigad

**Plot no** 95.96 & 98

**Capital Investment (In lakhs)** 23084

*Pincode* 402107

Telephone Number 02143277601

**Region** SRO-Raigad II

Last Environmental statement submitted online yes

**Consent Valid Upto** 

2022-03-31

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

Submitted Date 12-09-2022

**Village** Khar Karavi

> **City** Pen

**Designation** Unit Head (GM)

**Email** cementdolvi.office@jsw.in

Industry Type R26 Cement

**Consent Issue Date** 

2021-07-14

**Date of last environment statement** submitted Sep 23 2021 12:00:00:000AM

Product Information			
Product Name	<b>Consent Quantity</b>	Actual Quantity	UOM
Ordinary Portland Cement (OPC)	360000	292743	Ton/Y
Portland Pozzolana Cement (PPC)	40000	0	Ton/Y
Composite Cement (CC)	40000	0	Ton/Y
Ground Granulated Blast Furnace Slag (GGBS)	500000	421050	Ton/Y
Portland Slag Cement (PSC)	260000	148407	Ton/Y

By-product Information By Product Name

Consent Quantity

Actual Quantity

иом

0

MT/A

## Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day		
Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	0.00	0.00
Cooling	129.00	120.00
Domestic	15.00	6.00
All others	10.00	3.50
Total	154.00	129.50

0

2) Effluent Generation in CMD / MLD			
Particulars	<b>Consent Quantity</b>	Actual Quantity	UOM
Oil and Grease	10	1	MLD
BOD (3 Days 27 degree centigrade)	30	21.25	MLD
Total suspended Solids	100	35.42	MLD
COD	250	66.25	MLD

2) Product Wise Process Water Consumption (cubic meter of process	
water per unit of product)	
Name of Products (Production)	

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Ordinary Portland Cement (OPC)	.065	.061	CMD
Portland Pozzolana Cement (PPC)	0	0	CMD
Composite Cement (CC)	0	0	CMD
Ground Granulated Blast Furnace Slag (GGBS)	.065	.061	CMD
Portland Slag Cement (PSC)	0	0	CMD

3) Raw Material Consumption	(Consumption of raw material
per unit of product)	

Name of Raw Materials	During the Previous	During the current	иом
	financial Year	Financial year	
Granulated Slag for GGBS	1.00	1.00	Ton/Ton
Clinker for PSC	0.375	.371	Ton/Ton
Granulated Slag for PSC	0.584	.579	Ton/Ton
Chemical Gypsum for PSC	0.0185	.024	Ton/Ton
Anhydrite Gypsum for PSC	0.0227	.0267	Ton/Ton
Natural Gypsum	0	0	Ton/Ton
Clinker for OPC	0.858	.873	Ton/Ton
Slag for OPC	0.098	.0878	Ton/Ton
Chemical Gypsum for OPC	0.0204	.0187	Ton/Ton
Anhydrite Gypsum for OPC	0.0232	.0206	Ton/Ton

## Part-C

Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of v from prescribed standards with %variation	d reasons	l Reason
0	0	0	Nil	Nil	Nil
[B] Air (Stack)					
Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of vai from prescribed standards with re		
	Quantity	Concentration	%variation	Standard R	eason
ТРМ	68.11	12.75	42.5		ood ontrol
Part-D					
HAZARDOUS W					
1) From Proces			Total During Common	Financial	
	<b>ste Type Total During P</b> toil 0	revious Financial year	<b>Total During Current</b>	Financiai year	<b>ИОМ</b> МТ/А
5.1 Used or spen			0		MI/A
2) From Polluti Hazardous Was	on Control Facilities ste Type Total Duri	ng Previous Financial year	Total During Currei	nt Financial year	UOM
0	0		0		MT/A
Part-E					
SOLID WASTES					
1) From Proces		ing Previous Financial year	Total During Curre	ent Financial vear	иом
NA	0	ing Freedous Financial Jean	0	ine i manetar year	MT/A
2) From Polluti	on Control Facilities				
Non Hazardous	Waste Type To	otal During Previous Financial ye	ar Total During C	urrent Financial year	
NA	0		0		MT/A
	cycled or Re-utilized wit	hin the			
		Total During Previou	ıs Financial Total D	uring Current Financi	al UOM
unit		vear			
<b>3) Quantity Red</b> <u>unit</u> <b>Waste Type</b> 0		<b>year</b> O	<b>year</b> 0		MT/A

indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	<b>Qty of Hazardous Waste</b>	υом	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	0	MT/A	NA

#### Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

**Qty of Solid Waste** 

0

иом

MT/A

NA

**Concentration of Solid Waste** 

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)		Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Air Pollution	0	0	0	0	644.47	0

#### Part-H

[A] Investment made during the period of Environmental		
<u>Statement</u> Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investmen
		(Lacks)
Power Cost, Filter Bags and Cages	To control dust emission	644.47
Green Belt Development	To develop greenbelt and plantation	5.65

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Greenbelt development	Tree Plantation	10.50

#### Part-I

Any other particulars for improving the quality of the environment.

#### Particulars

NA

Name & Designation Manish Pujari- Unit Head (GM)

UAN No: MPCB-ENVIRONMENT\_STATEMENT-0000045204

Submitted On:

12-09-2022

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-ENVIRONMENT\_STATEMENT-0000046517

## PART A

#### **Company Information**

<b>Company Name</b> JSW Cement Limited	Application UAN number NA	
<b>Address</b> Village-Khar Karavi, P.O-Gadab, Tal Pen, DistRaigad		
Plot no	Taluka	Village
NA	Pen	Khar Karavi
Capital Investment (In lakhs)	Scale	City
21013	Large	Pen
Pincode	Person Name	Designation
402107	Manish Pujari	Unit-Head (GM)
Telephone Number	Fax Number	Email
9449598309	02143277725	manish.pujari@jsw.in
Region	Industry Category	Industry Type
SRO-Raigad II	Red	R26 Cement
Last Environmental statement submitted online	Consent Number	Consent Issue Date
yes	Format1.0/CAC/UAN No. MPCB- CONSENT-0000114682/CR-2110000929	2021-10-20
Consent Valid Upto	Establishment Year	Date of last environment statement submitted
2026-07-31	1999	Sep 20 2021 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Submitted Date

21-09-2022

Product Information Product Name		Consent Quantity	Actual Quantity	иом
Portland Slag Cement/Ground Granulated	Blast Furnace Slag Cement	1700000	977854	MT/A
By-product information				
<u>By-product Information</u> By Product Name	Consent Quantity	Actual Qua	ntity UO	м

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day Water Consumption for Process	<b>Consent Quantity in m3/day</b> 0.00	<b>Actual Quantity in m3/day</b> 0.00
Cooling	255.00	194.50
Domestic	20.00	17.50
All others	5.00	4.17
Total	280.00	216.17

## 2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
BOD	30	21.25	MLD
COD	100	66.25	MLD
Suspended Solids	50	35.42	MLD

## 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
GGBS	.06	.07	
PSC	.06	.07	

# 3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Granulated Slag for GGBS	1.00	1.00	Ton/Ton
Clinker for PSC	0.374	0.371	Ton/Ton
Granulated Slag for PSC	0.584	0.579	Ton/Ton
Chemical Gypsum	0.0185	0.024	Ton/Ton
Anhydrite Gypsum	0.0227	0.0267	Ton/Ton

4) Fuel Consumption Fuel Name Blast Furnace Gas for Grinding Mill	<b>Consent quantity</b> 5950000	Actual Quantity 1196223	ИОМ
Coke Oven Gas for Grinding Mill	8750	2970.5	
LDO/HSD for Grinding Mill	0.00022	0.000023	Ton/Y
Blast Furnace Gas for Cement Mill	8500000	568188.8	
Coke Oven Gas for Cement Mill	212500	30707.33	
LDO/HSD for Cement Mill	0.00022	0.000023	Ton/Y

## Part-C

[A] Water			
Pollutants	Quantity of	<b>Concentration of Pollutants</b>	Percentage of variation
Detail	Pollutants	discharged(Mg/Lit) Except	from prescribed
	discharged (kL/day)	PH,Temp,Colour	standards with reasons
	Quantity	Concentration	%variation

Standard Reason

Nil	0	0	Nil		Nil	Nil
[ <b>B] Air (Stack)</b> Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	from pres	with reasons	Standard	Reason
TPM (Grinding Mill)	-	30	41.93		30	Good Control
TPM (Cement Mill)	33.05	30	36.67		30	Good Control
Part-D						
HAZARDOUS WAS 1) From Process	TES					
	Type Total During I	Previous Financial year	Total During	g Current Finar	ncial year	UOM
5.1 Used or spent of		,	0		2	MT/A
<b>2) From Pollution</b> Hazardous Waste		ing Previous Financial year	<b>Total Duri</b> 0	ng Current Fina	ancial year	<b>UOM</b> MT/A
Part-E	Ũ		Ū			,,,
2) From Pollution Non Hazardous W NA		otal During Previous Financial y	<b>rear Total</b> 0	During Current	t Financial y	<b>year UOM</b> MT/A
3) Quantity Recyc unit	led or Re-utilized wi	thin the				
Waste Type		Total During Previo	ous Financial	-	Current Fin	ancial UOM
0		<b>year</b> O		<b>year</b> 0		MT/A
Part-F						
		erms of concentration and quan both these categories of waste		dous as well a	s solid wast	es and
1) Hazardous Was						
<b>Type of Hazardou</b> 5.1 Used or spent of		Qty of Hazardous WasteUOM0MT/A		n of Hazardous	s waste	
<u>2) Solid Waste</u> Type of Solid Was	to Generated	Qty of Solid Waste	UOM	Concentration	of Solid Mr	acto
NA		Qty of Solid Waste	MT/A	NA		IJLE
Part-G						

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)		Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Air Pollution	0	0	0	0	439.97	0

#### Part-H

[A] Investment made during the period of Environmental Statement		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Power cost, Filter Bags and Cage cost	To control dust emission	439.97
Green Belt Development	To develop garden and plantation	5.65

[B] Investment Proposed for next Year		
Detail of measures for Environmental Protection	<b>Environmental Protection Measures</b>	Capital Investment (Lacks)
Green Belt Development	Tree Plantation and Gardening	10

#### Part-I

Any other particulars for improving the quality of the environment.

#### **Particulars**

NA

Name & Designation

Manish Pujari- Unit Head (GM)

#### UAN No:

MPCB-ENVIRONMENT\_STATEMENT-0000046517

#### Submitted On:

21-09-2022