



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000024746

### Submitted Date

06-08-2020

### Company Information

#### Company Name

JSW Cement Limited (Clinker Grinding Cement Unit)

#### Application UAN number

NA

#### Address

95,96 & 98,Village- Khar Karavi, Post-Gadab,Taluka-Pen,Dist-Raigad,Pin-402107.

#### Plot no

NA

#### Taluka

Pen

#### Village

Khar Karavi

#### Capital Investment (In lakhs)

25564

#### Scale

Large

#### City

PEN

#### Pincode

402107

#### Person Name

Sanjay Jadhav

#### Designation

VP

#### Telephone Number

02143277601

#### Fax Number

02143277725

#### Email

mayank.shrivastav@jsw.in

#### Region

SRO-Raigad II

#### Industry Category

Red

#### Industry Type

R26 Cement

#### Last Environmental statement submitted online

yes

#### Consent Number

Format 1.0 /CAC/UAN  
No.0000079173-2007000588

#### Consent Issue Date

08.07.2020

#### Consent Valid Upto

31.03.2021

### Product Information

#### Product Name

Ground Granulated Blast Furnace Slag (GGBS)

#### Consent Quantity

500000

#### Actual Quantity

400737

#### UOM

MT/A

Portland Slag Cement (PSC)

260000

242000

MT/A

Ordinary Portland Cement (OPC)

360000

202620

MT/A

### By-product Information

#### By Product Name

NA

#### Consent Quantity

NA

#### Actual Quantity

NA

#### UOM

MT/A

### 1) Water Consumption in m3/day

#### Water Consumption for Process

#### Consent Quantity in m3/day

NA

#### Actual Quantity in m3/day

90

#### Cooling

890

67

#### Domestic

15

15

#### All others

10

5

**Total** 915 177

**1) Effluent Generation in CMD / MLD**

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Suspended Solids	100	88.63	MLD
Biochemical Oxygen Demand	100	33.46	MLD
Chemical Oxygen Demand	250	99.17	MLD
Oil & Grease	10	1.0	MLD

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

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Ground Granulated Blast Furnace Slag (GGBS)	0.01	0.07	MT/A
Portland Slag Cement (PSC)	NA	0.07	MT/A
Ordinary Portland Cement (OPC)	0.01	0.07	MT/A

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

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Granulated Slag for GGBS	1.00	1.00	Ton/Ton
Clinker for PSC	NA	0.379	Ton/Ton
Slag for PSC	NA	0.579	Ton/Ton
Chemical Gypsum	NA	0.018	Ton/Ton
Anhydrite Gypsum	NA	0.0180	Ton/Ton
Natural Gypsum	NA	0.0003	Ton/Ton
Clinker for OPC	0.918	0.916	Ton/Ton
Slag for OPC	0.049	0.048	Ton/Ton
Chemical Gypsum for OPC	0.016	0.016	Ton/Ton
Anhydrite Gypsum for OPC	0.016	0.020	Ton/Ton

**4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Blast Furnace Gas	650000	15027	CMD
Coke Oven Gas	650000	55580	CMD

**Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)**

**[A] Water**

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

**[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day) Quantity</b>	<b>Concentration of Pollutants discharged (Mg/NM3) Concentration</b>	<b>Percentage of variation from prescribed standards with reasons %variation</b>	<b>Standard</b>	<b>Reason</b>
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SPM	34.68	10.00	6.67	150	Better control
SPM	34.40	10.0	6.67	150	Better control

### HAZARDOUS WASTES

#### 1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0.0	0.0	MT/A

#### 2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	MT/A

### SOLID WASTES

#### 1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	NA	NA	MT/A

#### 2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	NA	NA	MT/A

#### 3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	MT/A

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

#### 1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0.0	MT/A	NA

#### 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
NA	NA	MT/A	NA

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)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Air Pollution	NA	NA	NA	NA	459.42958	NA

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

#### [A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacs)
Power cost,Filter bags,Cage cost.	To control dust emmision	459.42958
Green Belt Development	To develop garden & plantation	7.73

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**[B] Investment Proposed for next Year**

<b><i>Detail of measures for Environmental Protection</i></b>	<b><i>Environmental Protection Measures</i></b>	<b><i>Capital Investment (Lacks)</i></b>
Green Belt Development	Tree plantation & Garden	4.0

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**Any other particulars in respect of environmental protection and abatement of pollution.**

**Particulars**

NA

**Name & Designation**

Mayank Shrivastav-AGM (Technical).