



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000036406

Submitted Date

23-09-2021

PART A

Company Information

Company Name

JSW Cement Limited (Clinker Grinding Cement Unit)

Application UAN number

NA

Address

95,96,98, Village-Khar Karavi, PO-Gadab, Taluka- Pen, District-Raigad, Pin-402107

Plot no

NA

Taluka

Pen

Village

Khar Karavi

Capital Investment (In lakhs)

23084

Scale

Large

City

Pen

Pincode

402107

Person Name

Mr. Manish Pujari

Designation

Head - Opeartion

Telephone Number

9449598309

Fax Number

02143277725

Email

cementdolvi.office@jsw.in

Region

SRO-Raigad II

Industry Category

Red

Industry Type

R26 Cement

Last Environmental statement submitted online

yes

Consent Number

Format1.0/CAC/UAN No.
0000106885/CR-2107000771

Consent Issue Date

2021-07-14

Consent Valid Upto

2022-03-31

Establishment Year

2018

Date of last environment statement submitted

Aug 6 2020 12:00:00:000AM

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

Product Information

Product Name

Ordinary Portland Cement (OPC)

Consent Quantity

360000

Actual Quantity

200884

UOM

Ton/Y

Portland Pozzolana Cement (PPC)

40000

0

Ton/Y

Composite Cement (CC)

40000

0

Ton/Y

Ground Granulated Blast Furnace Slag (GGBFS)

500000

437002

Ton/Y

Portland Slag Cement (PSC)

260000

251000

Ton/Y

By-product Information

| By Product Name | Consent Quantity | Actual Quantity | UOM |
|------------------------|-------------------------|------------------------|------------|
| NA | 0 | 0 | MT/A |

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

| Water Consumption for Process | Consent Quantity in m3/day | Actual Quantity in m3/day |
|--------------------------------------|-----------------------------------|----------------------------------|
| | 0 | 0 |
| Cooling | 890 | 159.62 |
| Domestic | 15 | 19.34 |
| All others | 10 | 7.77 |
| Total | 915 | 186.73000000000002 |

2) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|-----------------------------------|-------------------------|------------------------|------------|
| oil and Grease | 10 | 1 | MLD |
| BOD (3 Days 27 degree centigrade) | 30 | 27.05 | MLD |
| Total Suspended Solids | 100 | 67.25 | MLD |
| COD | 250 | 80 | 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 |
|---|---|--|------------|
| Ordinary Portland Cement (OPC) | .07 | .065 | |
| Portland Pozzolana Cement (PPC) | 0 | 0 | |
| Composite Cement | 0 | 0 | |
| Ground Granulated Blast Furnace Slag (GGBS) | .07 | .065 | |
| Portland Slag Cement (PSC) | 0 | 0 | |

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 | 0.379 | 0.375 | Ton/Ton |
| Granulated Slag for PSC | 0.579 | 0.584 | Ton/Ton |
| Chemical Gypsum for PSC | 0.018 | 0.0185 | Ton/Ton |
| Anhydrite Gypsum for PSC | 0.0180 | 0.0227 | Ton/Ton |
| Natural Gypsum | 0.0003 | 0 | Ton/Ton |
| Clinker for OPC | 0.916 | 0.858 | Ton/Ton |
| Slag for OPC | 0.048 | 0.098 | Ton/Ton |
| Chemical Gypsum for OPC | 0.016 | 0.0204 | Ton/Ton |
| Anhydrite Gypsum for OPC | 0.020 | 0.0232 | Ton/Ton |

4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|-------------------------------------|-------------------------|------------------------|------------|
| LDO/Blast Furnace Gas/Coke Oven Gas | 650000 | 42391.682 | CMD |

Part-C

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

[A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) Quantity | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration | Percentage of variation from prescribed standards with reasons %variation | Standard | Reason |
|--------------------------|--|---|--|-----------------|---------------|
| NIL | 0 | 0 | NIL | NIL | NIL |

[B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) Quantity | Concentration of Pollutants discharged(Mg/NM3) Concentration | Percentage of variation from prescribed standards with reasons %variation | Standard | Reason |
|--------------------------|--|---|--|-----------------|----------------|
| SPM | 46.39 | 10 | 33.33 | 30 | Better Control |

Part-D

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 | MT/A |

2) From Pollution Control Facilities

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

Part-E

SOLID WASTES

1) From Process

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

2) From Pollution Control Facilities

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

Part-F

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 | MT/A | NA |

2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|-------------------------------|--------------------|------|------------------------------|
| NA | 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.

| 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 | 0 | 0 | 0 | 0 | 398.57 | 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

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|-----------------------------------|----------------------------|
| Power Cost, Filter Bags, Cage Cost | To control dust emission | 398.57 |
| Green Belt Development | To develop garden & Plantation | 4.86 |

[B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|-----------------------------------|----------------------------|
| Green Belt Development | Tree Plantation and Gardening | 6.50 |

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NA

Name & Designation

Mr. Manish Pujari - Operation Head (AGM)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000036406

Submitted On:

23-09-2021