



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

Submitted Date

20-06-2022

PART A

Company Information

Company Name

JSW Cement Limited

Application UAN number

NA

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

Taluka

Pen

Village

Khar Karavi

Capital Investment (In lakhs)

1990.00

Scale

RED/L.S.I.(R26)

City

Pen

Pincode

402107

Person Name

Mr.Sanjay Jadhav

Designation

Unit Head

Telephone Number

02143277601

Fax Number

Email

sanjay.jadhav@jsw.in

Region

SRO-Raigad II

Industry Category

Red

Industry Type

R26 Cement

Last Environmental statement submitted online

no

Consent Number

Format1.0/CAC/UAN
No.0000102838/CO-2107000772

Consent Issue Date

2021-07-14

Consent Valid Upto

2022-06-30

Establishment Year

2020

Date of last environment statement submitted

Jun 20 2022 12:00:00:000AM

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

Product Information

Product Name

Slag Sand/(Manufactured Sand(M Sand))

Consent Quantity

1000000

Actual Quantity

33512.37

UOM

MT/A

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

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
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	Consent Quantity	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 financial Year	During the current Financial year	UOM
Slag Sand/(Manufactured Sand (M Sand))	0	33512.37	MT/A

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
Slag	0	35185	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
COG	468	423.84	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
TPM	0.27	1	3.33	30	Good 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	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

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
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Power cost , Filter Bags ,Cage cost

To control dust emission

30

Green Belt Development

To develop Garden & Plantation

2.5

[B] Investment Proposed for next Year

<i>Detail of measures for Environmental Protection</i>	<i>Environmental Protection Measures</i>	<i>Capital Investment (Lacks)</i>
Green Belt Development	Tree Plantation & Gardening	4.5
REcurring Expenditure	To Maintenance Cost	5.0

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

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

Submitted Date

12-09-2022

PART A

Company Information

Company Name

JSW Cement Limited(Cement Grinding Unit)

Application UAN number

NA

Address

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

Plot no

95,96 & 98

Taluka

Pen

Village

Khar Karavi

Capital Investment (In lakhs)

23084

Scale

Large

City

Pen

Pincode

402107

Person Name

Mr. Manish Pujari

Designation

Unit Head (GM)

Telephone Number

02143277601

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

Sep 23 2021 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

292743

UOM

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

UOM

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
	0.00	0.00
Cooling	129.00	120.00
Domestic	15.00	6.00
All others	10.00	3.50
Total	154.00	129.50

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	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)	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 financial Year	During the current Financial year	UOM
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

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LDO/BFG/Coke Oven Gas	39600	38045.184	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
0	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
TPM	68.11	12.75	42.5	30	Good 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	644.47	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 and Cages	To control dust emission	644.47
Green Belt Development	To develop greenbelt and plantation	5.65

[B] Investment Proposed for next Year

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

Submitted Date

21-09-2022

PART A

Company Information

Company Name

JSW Cement Limited

Application UAN number

NA

Address

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

Plot no

NA

Taluka

Pen

Village

Khar Karavi

Capital Investment (In lakhs)

21013

Scale

Large

City

Pen

Pincode

402107

Person Name

Manish Pujari

Designation

Unit-Head (GM)

Telephone Number

9449598309

Fax Number

02143277725

Email

manish.pujari@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. MPCB-
CONSENT-0000114682/CR-2110000929

Consent Issue Date

2021-10-20

Consent Valid Upto

2026-07-31

Establishment Year

1999

Date of last environment statement submitted

Sep 20 2021 12:00:00:000AM

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

Product Information

Product Name

Portland Slag Cement/Ground Granulated Blast Furnace Slag Cement

Consent Quantity

1700000

Actual Quantity

977854

UOM

MT/A

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

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
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	Consent quantity	Actual Quantity	UOM
Blast Furnace Gas for Grinding Mill	5950000	1196223	
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

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
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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	Standard	Reason
	Quantity	Concentration	%variation		
TPM (Grinding Mill)	39.72	30	41.93	30	Good Control
TPM (Cement Mill)	33.05	30	36.67	30	Good 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	439.97	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 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	Environmental Protection Measures	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