



JSW Cement Limited
Ankur Complex
Jambedia, P.O. : Saiyedpur via Salboni
Paschim Medinipur, Pin- 721147
West Bengal
Phone : 8585066001 / 02 / 03
Website : www.jsw.in

Ref: JSW/SAL/FORM-V/2021-22

29th September 2022.

To,
The Member Secretary,
West Bengal Pollution Control Board,
Paribesh Bhawan,
10A, Block-LA, Sector-III,
Bidhannagar, Kolkata-700 106.

Subject : Submission of annual environmental statement (form -V) for the Financial year 2021 -22.

Dear Sir,

With reference to the above cited subject and as per rule-14 under Environment (Protection) Act, 1986, we are submitting herewith the annual environmental statement of JSW Cement Limited, Salboni, West Bengal for the financial year 2021-22 in prescribed Form-V for your kind information & perusal please.

Thanking You,

For JSW Cement Limited.

Sajeesh G.
Vice President & Unit Head.



Encl: As mentioned above

- CC:**
1. Integrated Regional office, Ministry of Environment, Forest & Climate change, Kolkata/B-198, Sector-II, Salt Lake City-700106, West Bengal.
 2. The Regional Officer, West Bengal Pollution Control Board. Mouja: Raghunathchak, P.S.: Bhabanipur, PO: Barghasipur, Dist: Purba Medinipur, Pin: 721657.

FORM-V
(See Rule 14)

Environmental Statement for the financial year ending the 31st March 2022

PART – A

1. Name and address of the owner/occupier of the industry operation or process.	:	Nilesh Narwekar CEO JSW Cement Limited, At Village - Salboni, District - Paschim Medinipur, West Bengal-721147
2. Industry category Primary ----(STC code) Secondary.----- (SIC Code)	:	Red category, Cement Plant.
3. Production capacity	:	Existing: 3.6 MTPA Cement Grinding Unit and 1 X 18 MW CPP
4. Year of establishment	:	2017
5. Date of the last environmental statement submitted	:	15.09.2021

PART – B

Water and Raw Material Consumption:

(i) Water Consumption (m³/Day)

Process	: Nil
Cooling	: 192
Domestic	: 4.75

Nature of products	Process Water consumption per unit of product output	
	During the previous financial year	During the current financial year
(1) Cement- PSC	Nil	Nil
(2) Cement- CC	Nil	Nil

(ii) Raw Material Consumption:

Raw material consumption			Consumption of Raw Material Per Unit	
Sl.No.	Name of raw Material	Name of the Product	During the Previous Financial Year (in MT)	During the Current Financial Year (in MT)
1	Clinker	Portland slag	0.33	0.33
2	Gypsum	cement,	0.028	0.03
3	Slag	Composite	0.63	0.62
4	Fly ash	cement	0.005	-



PART – C

Pollution discharged to environment/unit of output

(Parameter as specified in the consent issued)

Sl. No.	Pollutants	Quantity of Pollutants discharged(Mass/Day)	Concentration of Pollutants discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
1	Water	Nil	Nil	Nil
2	Air	Cement Mill (Unit-I) =20.3 Kg/Day Cement Mill (Unit-II) = 30.3 Kg/Day CPP (1 X 18) MW =35.1 Kg/Day	Cement Mill (Unit-I) = 7.82 mg/Nm ³ Cement Mill (Unit-I) = 6.79 mg/Nm ³ CPP (1 X 18) MW = 21.7 mg/Nm ³	Emissions are within permissible limit i.e. 30mg/Nm ³ .

PART – D

Hazardous Wastes (as specified under Hazardous Waste Management and Handling Rules, 1989)

Sl. No.	Hazardous Wastes	Total Quantity	
		During the Previous Financial Year (2020-21)	During the Current Financial Year (2021-22)
a.	From Process		
(i)	Used Oil and Grease	5.88 MT	1.68 MT
b.	From Pollution Control Facilities	Nil	Nil



PART – E

Solid Wastes

Sl. No.	Solid Wastes	Total Quantity in MT	
		During the Previous Financial Year (2019-20)	During the Current Financial Year (2020-21)
a.	From Process	Nil	Nil
b.	From Pollution Control Facilities (ESP of Captive Power Plant)	Nil	Fly Ash :13230 Bed Ash: 815
c.	Quantity recycled or reutilized	Nil	Fly Ash :13230 (Utilized in own cement plant) Bed Ash: 815 (Used in internal road construction)

PART – F

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

Sl. No.	Description of Hazardous Waste	Quantity of waste generated during the year	Disposal Method
1	Used Oil	1.68 MT	Sold to Pollution Control Board authorized vendors.

Other Solid Wastes:

Sl. No.	Description of Waste	Qty. of waste generated during the year	Disposal Method
1	Iron chips.	873 MT	Sold to Authorized Vendors.
2	Steel Scrap	171 MT	Sold to Authorized Vendors.
3	Waste wrappers	22.8 MT	Sold to Authorized Vendors.
4	Waste H.D.P.E Bags	46.3 MT	Sold to Authorized Vendors.



PART – G

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

- ✚ The unit has installed bag house and ESP in its roller press and Boiler respectively to check the emission within given permissible limit of 30 mg/Nm³.
- ✚ The unit has also installed required Bag filters in its all transfer points.
- ✚ The unit has installed three numbers of continuous emission monitoring system in cement plant and power plant respectively.
- ✚ The unit has installed one Continuous Ambient Air Quality Monitoring Station
- ✚ In addition, we are successfully managing the ambient SPM level below the prescribed levels by way of putting up Jet Pulse Filters at each of the transfer points, covered belt conveyers, and mostly paved surfaces for vehicular movement inside the plant premises.
- ✚ The unit has installed one STP having capacity of 60KLD to reuse the waste water in development of green belt in and around the plant & colony.
- ✚ The unit is using treated WTP water for dust suppression, thus reducing consumption of natural raw water.
- ✚ The unit has made all the internal road concrete and it is swiped with help of truck mounted Road Sweeping Machine.
- ✚ The unit is using solar energy of 3.5 MW in collaboration with JSW energy to minimize the dependency on non -renewable resources.
- ✚ Suitable interlocks have been provided for Gear box & Girth Gear Cooling fans to avoid idle running of these fans.
- ✚ Installation of Variable Frequency Drives in Water Pumps & automation of plant water supply system, resulting in reduction of Power consumption of Plant water supply system.
- ✚ The unit has installed Ball Mill in series at downstream of roller press for clinker grinding has reduced energy consumption of Roller press.

PART – H

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

- ✚ The unit is planning to install one more STP of 100 KLD to reuse the waste water generated from newly constructed canteen for truck drivers.
- ✚ The unit is planning to construct one more rain water harvesting ponds to use the rain water to reduce the load on consumption of natural raw water.
- ✚ The unit is planning for additional greenbelt in and around the plant.
- ✚ The unit is planning to replace all the old AC's with new ISSER rating inverter AC's to reduce power consumption.



PART – I

Any other particulars for improving the quality of the environment.

- ✚ Awareness promotion through various environmental training, environmental competitions, presentations etc. on World Environment Day, Energy Conservation Day etc.
- ✚ The unit is following green building council to reduce energy consumption in office buildings.
- ✚ The unit is planning to harvest more solar energy.
- ✚ The group is committed to EV100 for electrifying has joined EV100 members to 100% of fleet used for employee transportation. Apart from that 50% of owned heavy duty vehicles to electric vehicles. Charging infrastructures at all manufacturing and office locations by 2030.
- ✚ The group is committed for RE100 to source 100% renewable electricity across the entire global operation by 2050.
- ✚ The unit is planning to implement IMS system which will prove to be helpful tool to improve the quality of the environment.

