JSW Cement Limited
Ankur Complex
Jambedia, P.O. : Saiyedpur via Salboni
Paschim Medinipur, Pin–721147
West Bengal
Phone : 03222 270100
Website : www.jsw.in

Ref. No. JSW/Sal/Env/FormV/20-21

Date: - 15.09.2021

TO,
The Regional Officer
Regional Office, West Bengal Pollution Control Board
Super Market Building, 3rd Floor
P.O & P.S- Durgachak, Haldia
East Medinipur, WB

Dear Sir,

Sub: - Submission of Environmental Statement (Form-V) for the financial year 2020-21.

Ref: - Environment Clearance Letter No. 89/EN/T-II-1/037/2015 & 2015/EN/T-II-1/002/2017

In line with compliance of above referred EC letter, please find attached herewith Environmental Statement (Form-V) for the financial year 2020-21.

This is for your kind information and record please.

Thanking You.

For JSW Cement Limited

Alok Bagaria
GM Operations

JSW Cement Ltd. Salboni

Encl: As mentioned above

CC: 1. The Additional PCCF, MoEF&CC, Regional Office, Eastern Region, A/3, Chandersekharpur, Bhubaneswar – 751023

2. The Zonal officer, CPCB, Zonal Office, Southernd Conclave, Block 502, 5th and 6th Floors, 1582 Rajdanga Main Road, Kolkata, West Bengal 700107

3. The Member Secretary, West Bengal Pollution Control Board.

Regd. Office : JSW Centre
Bandra Kurla Complex
Bandra (East), Mumbai – 400 051
CIN : U26957MH2006PLC160839
Tel : 022 42861000
Fax : 022 26502001
Website : www.jsw.in

FORM-V
(See Rule 14)

Environmental Statement for the financial year ending the 31st March 2021

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
2.	Industry category Primary ----(STC code) Secondary.-----(SIC Code)	:	Major (Cement)
3.	Production capacity	:	**Existing:** 2.4 MTPA Cement Grinding Unit (PSC and GGBS)- **Operational** **Expansion:** 2.4 MTPA to 3.6 MTPA Cement Grinding Unit (PSC, PPC, OPC and GGBS),2 X 18 MW CPP - **(Under Construction)**
4.	Year of establishment	:	2017
5.	Date of the last environmental statement submitted	:	25.09.2020

PART – B

Water and Raw Material Consumption:

(i) Water Consumption (m³/Day)

Process : Nil
Equipment Cooling: 124.5
Domestic : 48.02

Nature of products	Process Water consumption per unit of product output	
Cement	During the previous financial year	During the current financial year
	Nil	Nil

(ii) Raw Material Consumption:

Raw Material Consumption for the year (2020-21)				
Sl. No.	Name of the Product	Name of raw Material	Consumption of Raw Material Per Unit of Output in MT	
			During the Previous Financial Year (2019-20)	During the Current Financial Year (2020-21)
1	PSC	Clinker	410149.75	536369

		Gypsum	48860.81	43251
2	GGBS	Slag	845975.4	994658
3	For Hot Air Generation	Coal	19392.91	23130
		LDO	528.74 KL	615.24 KL

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 (Ambient Air Quality Monitoring & Stack Emission Monitoring)	Annexure-1		Values are well within the prescribed limits stipulated by concerned regulatory authorities.

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 (2019-20)	During the Current Financial Year (2020-21)
a.	From Process		
(i)	Used Oil and Grease	0.98 KL	5.88 KL
b.	From Pollution Control Facilities	NA	NA
* All the quantity of used oil come out as reject from different gear application and bearings are sold to authorized recycler (Solid & Hazardous Waste Authorization Approval from WBPCB is under progress).			

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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 (Reused in Cement Manufacturing process)	Nil (Reused in Cement Manufacturing process)
b.	From Pollution Control Facilities	Nil (Reused in Cement Manufacturing process)	Nil (Reuse in Cement Manufacturing process)
c.	Quantity recycled or reutilized	NA	NA

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	5.88 KL	Quantity generated is less and Solid & Hazardous Waste Authorization Approval from WBPCB is under progress.

Other Solid Wastes:

Sl. No.	Description of Waste	Qty. of waste generated during the year	Disposal Method
1	Iron chips.	1242.11 MT	Sold to Authorized Vendors.
2	Steel Scrap	371.78 MT	Sold to Authorized Vendors.
3	Waste wrappers	15.53 MT	Sold to Authorized Vendors.
4	Waste Bags	9.22 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 plant is equipped with Air Pollution Control devices such as Bag Filters designed to control the emission (SPM) level below 30 mg/Nm^3 from any of the stacks installed at our plant.

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- Total 2 nos. of opacity monitor already installed in Cement mill stack and real time data are being transferred to CPCB, New Delhi.
- 1 no. of Continuous Ambient Air Quality Monitoring Station already installed and real time data connectivity to Central Pollution Control Board is in progress.
- 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 Pollution abatement practices adopted by us save precious raw material/ product and greatly help in conserving valuable natural resources. Ultimately reducing the manufacturing cost.
- Development of greenbelt in & around the plant & colony.
- Water tanker is used for spraying in the plant area as well as the nearby regularly for dust suppression.
- Road Sweeping Machine is used to clean the roads and other areas.
- Installed 3.5 MW Solar Plant (Ground Mounted) 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.

PART – H

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

- Development of greenbelt in & around the plant & colony.
- Water tanker is used for spraying in the plant area as well as the nearby regularly for dust suppression.
- Installed 3.5 MW Solar Plant (Ground Mounted - 3.5 MW) 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 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.

PART – I

Any other particulars for improving the quality of the environment.

Environment Management System Improvement:

- Awareness promotion through various environmental training, environmental competitions, presentations etc. on World Environment Day, Energy Conservation Day etc.
- Water sprinkling on the unpaved surface for dust suppression.

JSW Cement Ltd

- Development of greenbelt in & around the plant (total 53,000 nos. saplings already planted) and other ornamental, hedges are also planted. The tree species planted are Neem, Mahagony, Bokul, Black Jamun, Krushnachura, Radhachura, Cassia Fistula, cassia jjebrina, Kurchi, Karanj, Jarul, Arjun, Rudra Palash, Green Hedge, Coloured Hedge, Fycus, Royal Plam, Areca Plam, Thuja, Ashoka, Gulmohor,Chinese Plam, Aclypha, Hibiscus, yucca Phonix, Furcraea, Bougenvelia, Draceena, Dianthus, Dhalia, Gazania, Petunia, Lily, Anthurium, Bolsom, Exora, etc. Rate of survival 85%.
- Proper lubrication and housekeeping to avoid excessive noise generation.

ANNEXURE-1

Ambient Air Quality Monitoring Report (Average Value)

Name of the Station	Particulate Matters 10 Micron Size (µg/m3)	Particulate Matters 2.5 Micron Size (µg/m3)	Sulphar Dioxide (µg/m3)	Nitrogen Dioxide (µg/m3)	Carbon Monoxide (mg/m3)
Staff Colony (NW)	42.05	19.50	14.27	27.73	0.38
Labour Colony ('E)	39.27	19.77	14.55	27.91	0.40
Railway Sliding (S)	49.50	24.84	17.18	30.66	0.47
Godapiasal Village (SE)	45.84	23.69	15.14	28.36	0.42
CCP (SSW)	46.85	23.82	17.23	31.23	0.47
Project Office (N)	40.82	17.50	14.36	27.36	0.33

Stack Emission Monitoring Report (Average Value)

Name of Stack	Particulate Matters mg/Nm3
Cement Mill Unit-1	13.74
Cement Mill Unit-2	14.16

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