



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-0000034205

Submitted Date

19-08-2021

PART A

Company Information

Company Name

JSW STEEL LIMITED (SINTER PLANT 1 & 2)

Application UAN number

0000056996

Address

GEETAPURAM DOLVI

Plot no

5,6

Taluka

PEN

Village

DOLVI JUIBAPUJI

Capital Investment (In lakhs)

87100

Scale

LARGE

City

PEN

Pincode

402107

Person Name

DR. ANAND RAI

Designation

GENERAL MANAGER (HOD-ENVIRONMENT)

Telephone Number

02143277501

Fax Number

2143-277542

Email

anand.rai@jsw.in

Region

SRO-Raigad II

Industry Category

Red

Industry Type

R53 Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units

Last Environmental statement submitted online

yes

Consent Number

BO/CAC-CELL/UAN NO.0000056996-18/8
th CAC-1901000685

Consent Issue Date

10/01/2019

Consent Valid Upto

31/12/2023

Establishment Year

2005

Date of last environment statement submitted

Sep 16 2020 12:00:00:00AM

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

RED

Product Information

Product Name

SINTER

Consent Quantity

5.3 MTPA

Actual Quantity

4458329

UOM

Ton/Y

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

Qnt/Y

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	8400	1874.05
Domestic	50.9	28
All others	NA.	NA.
Total	8450.9	1902.05

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	NIL	NIL	CMD

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
SINTER (M3/ UNIT OF PRODUCT)	0.117	0.131	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
ORE FINES -ODISHA(61% GRADE)	0.356	0.476	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
COKE OVEN GAS	NA	7998 KM3/HR	MT/A

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
NA	NA	NA	NA	NA	NA

[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
FLUX BAG FILTER SYSTEM	45.9	25.3	49.3	50	NA
FLUX ESP STACK	81.9	29.4	41.2	50	NA
PROPORTIONING ESP STACK	89.6	33.2	33.5	50	NA
MAIN ESP	924.6	37.1	25.8	50	NA
SINTRE DISCHARGE END & SIZING ESP	350.2	36.7	26.8	50	NA

SINTER MACHINE & DEDUSTING AREA STACK (MAIN stack)	787.6	19.4	61.3	50	NA
SINTER CRUSHING BUILDING	26.6	16.8	66.3	50	NA
SINTER SCREEN BUILDING	25.5	22.1	55.8	50	NA
BAG FILTER NEAR SCREEN BUILDING	27.1	25.1	49.7	50	NA
BAG FILTER NEAR CRUSHING BUILDING & HL & FS BUILDING	17.2	29.7	40.6	50	NA
BAG FILTER BUNKER HOUSE & JHO8	17.6	30.9	38.3	50	NA
BAG FILTER FUEL STORAGE BIN IN CRUSHER	8.7	14.6	70.8	50	NA
BAG FILTER FLUX STORAGE BIN IN CRUSHER	7.8	18.0	63.9	50	NA

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	6000	21400	Ltr/A
5.1 Used or spent oil	4033	4295	Kg/Annum

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	Ton/Y

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
SINTER FINES	1090525	1203755	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
ESP FINES	3823	3865	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	1094348	1207620.62	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	21400	Ltr/A	Sent to MPCB Authorised Recycler
5.2 Wastes or residues containing oil	4295	Kg/Annum	used in furnace

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
SINTER & ESP FINES	1207620.64	MT/A	USED AT SINTER PLANT FOR SINTER MAKING

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)
NA.	NA.	NA.	NA.	NA.	87100	NA.

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 (Lacs)
INSTALLATION OF MERODE INSINTER -2	IMPROVE WORK ZONE & AMBIENT AIR QUALITY	500

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacs)
INSTALLATION OF MERODE INSINTER -1	IMPROVE WORK ZONE & AMBIENT AIR QUALITY	400

Part-I

Any other particulars for improving the quality of the environment.

Particulars

The company is well aware of surrounding Environment. JSW Steel Limited has planted large number of trees in the plant premises as per the guidelines given by MPCB. We are maintaining the full-fledged Nursery managed by a qualified Horticulture Officers to develop plants for our in house requirement. Till date about 202764 Nos. big trees and 564000 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

DR.ANAND RAI GENERAL MANAGER (HOD-ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000034205

Submitted On:

19-08-2021