



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-0000034983

Submitted Date

09-09-2021

PART A

Company Information

Company Name

JSW STEEL LIMITED (HOT STRIP MILL PLANT)

Application UAN number

0000045821

Address

GEETAPURAM DOLVI

Plot no

78-90

Taluka

PEN

Village

DOLVI

Capital Investment (In lakhs)

436792.5

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.0000045821-18/CAC-1811000099

Consent Issue Date

02/11/2018

Consent Valid Upto

30/04/2023

Establishment Year

1996

Date of last environment statement submitted

Sep 18 2020 12:00:00:000AM

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

RED

Product Information

Product Name

LIQUID METAL /PIG IRON

Consent Quantity

3.5MTPA

Actual Quantity

2993112.38 MT/A

UOM

Ton/Y

LIME/CALCINATED DOLOMITE

600 TPD

527.26 TPD

MT/A

OXYGEN

100 TPD

PLANT NOT IN OPERATION

MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	NA	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
Cooling	NA	NA
Domestic	310	308
All others	NA.	NA.
Total	1650	9052.84

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	3408	NIL (100% RECYCLED)	CMD
Domestic Effluent	240	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
HOT ROLLED COIL	0.997	0.963	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
METALLIC (DRI/HBI,HOTMETAL,SCRAPE)	1.562	1.562	MT/A
FERRO & MICRO ALLOYS	0.0088	0.008236	MT/A
FLUXES LIKE LIME ,FLUX DOLO,RAW DOLOMITE CALCINATED BAUXITE,FLOURSPAR	0.132	0.133	MT/A
ELECTRODES	0.0010	0.0012	MT/A
CARBURIZERS LIKE COKE BREEZE,NUT COKE,CPC	0.0045	0.00423	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
POWER	NA	1113345895 KWH	MT/A
COKE & CPC	37 T/DAY	12683 T/Y	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)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
GAS CLEANING PLANT -1	633.3	18.6	81.4	100	NA
GAS CLEANING PLANT -2	279.7	18.3	81.7	100	NA
GAS CLEANING PLANT -3	178.6	20.3	79.7	100	NA
DRI-DEDUSTING SYSTEM	52.2	30.9	69.9	100	NA
BOILER	18.6	20.1	79.9	100	NA
TUNNEL FURNACE -IA	4.5	7.2	92.8	100	NA
TUNNEL FURNACE -IB	5.5	9.3	90.7	100	NA
TUNNEL FURNACE -IIA	4.7	7.9	92.1	100	NA
TUNNEL FURNACE -IIB	4.4	8.0	92.0	100	NA
KLIN-1	66.0	21.4	85.7	100	NA
KLIN-2	67.5	23.7	84.2	100	NA
LIME STONE DEDUSTING SYSTEM for Klin I&II	9.3	19.3	87.1	100	NA
LIME DEDUSTING SYSTEM FOR KLIN I & II	10.6	18.7	87.5	100	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	35000	159200	Ltr/A
5.2 Wastes or residues containing oil	2.20	2.56	MT/A
3.3 Sludge and filters contaminated with oil	0.8	1.2	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	3459 NUMBERS	3340 NUMBER	Nos./Y
35.3 Chemical sludge from waste water treatment	6216	7268	MT/A

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
SKULL	22022	27230.2	Ton/Y
SLAG(EAF & LF)	986844	1059176	Ton/Y
MILL SCALE	22978	23652	Ton/Y

GCP DUST	105010	111603.7	Ton/Y
REFRACTORY	NA	22000	Ton/Y
LIME DUST	2517	3216	Ton/Y
LIME STONE FINES	NA	66000	Ton/Y
DRI DUST FROM DE-DUSTING SYSTEM OF SMS	NA	8050	Ton/Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FINE SCALE FROM WWTP	6216	7268	Ton/Y

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	1136854	1328195.9	Ton/Y

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	159200	Ltr/A	Sent to MPCB Authorised Recycler
5.2 Wastes or residues containing oil	2.2	Ton/Y	used in furnace
3.3 Sludge and filters contaminated with oil	1.2	Ton/Y	used in furnace
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	3340	Nos./Y	used in furnace
35.3 Chemical sludge from waste water treatment	7268	Ton/Y	used in SINTER PLANT

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
EAF & LF SLAG	1059176	Ton/Y	REUSED-IN SINTER PLANT FOR SINTER MAKING
SKULL,SCALE,GCP DUST,SCALE FROM WWTP	169753.9	Ton/Y	REUSED-IN 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.	436792.5	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 (Lacks)**

NA

NA

NA

[B] Investment Proposed for next Year**Detail of measures for Environmental Protection****Environmental Protection Measures****Capital Investment (Lacks)**

NA

NA

NA

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-0000034983

Submitted On:

09-09-2021