



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-0000034674

Submitted Date

03-09-2021

PART A

Company Information

Company Name

JSW STEEL LIMITED (BLAST FURNACE PLANT)

Application UAN number

0000035084

Address

GEETAPURAM DOLVI

Plot no

94,95

Taluka

PEN

Village

DOLVI

Capital Investment (In lakhs)

195655

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.0000035084-17/CAC-1804000347

Consent Issue Date

07/04/2018

Consent Valid Upto

31/12/2022

Establishment Year

2000

Date of last environment statement submitted

Sep 14 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

3010851.3

UOM

MT/A

PULVERIZED DRY COAL

0.9 MTPA

0451206.22

MT/A

ELECTRICTY GENERATION (FROM TOP GAS RECOVERY TURBINE)

12 MW

80546896 KWH

MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
GRANULATED SLAG	1.28 MTPA	141204.2	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
	16451	7770.0
Cooling	NA	NA
Domestic	48	INCLUDED IN HOT STRIP MILL PLANT
All others	NA.	NA.
Total	16499	7770.0

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	3916.86	NIL (100% RECYCLED)	CMD
Domestic Effluent	38	32	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
LIQUID METAL/PIG IRON M3 OF LIQUID METAL PRODUCTION	0.75	0.812	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
COKE	0.440	0.472	MT/A
IRON ORE	0.045	0.071	MT/A
PELLETS	0.426	0.430	MT/A
SINTER	1.445	1.475	MT/A
QUARTZ	0.041	0.051	MT/A
DOLOMITE	0.005	0.020	MT/A
POWER	82.239	77.51	MT/A
COAL	0.172	0.169	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
COKE	NA	1421862 M3	MT/A
NUT COKE	NA	138545 M3	MT/A
PCI	NA	510963 M3	MT/A
BLAST FURNACE GAS	NA	1446158415 M3	MT/A
COKE OVEN GAS	NA	13745261 M3	MT/A
NATURAL GAS	NA	2214252 M3	MT/A
OXYGEN	NA	319245996 M3	MT/A
NITROGEN	NA	84514905 M3	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
STOCK HOUSE DE DUSTING SYSTEM STACK-I	224.9	27.8	36.1	50	NA
STOCK HOUSE DE DUSTING SYSTEM STACK-II	90.9	26.7	36.6	50	NA
STOVE STACK	146.6	9.2	45.4	50	NA
CAST HOUSE STACK	185.1	13.8	43.1	50	NA
BOILER STACK	19.1	20.4	39.8	50	NA
COAL INJECTION PLANT STACK	67.8	32.7	33.7	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	3600	28400	Ltr/A
5.2 Wastes or residues containing oil	1440	1620	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
BLAST FURNACE SLAG	1426230	1521695	MT/A
COKE FINES	106564	120691	MT/A
OXIDE FINES	91675	127384	MT/A
SINTER FINES	711568	758267	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
DUST FROM APC SYSTEM	46902	47291	Ton/Y
WWTP SLUDGE	3744	6031	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	NA	NA	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	28400	Ltr/A	Sent to MPCB Authorised Recycler
5.2 Wastes or residues containing oil	1620	Kg/Annum	used in furnace

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
THE SOLID WASTE CONSIST OF BLAST FURNACE SLAG,DUST FROM GCP, DUST CATCHER WWTP AND FINES GENERATION FROM RAW MATERIA	2460668	MT/A	REUSED-IN SINTER PLANT FOR SINTER MAKING
NA	NA	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)
NA.	NA.	NA.	NA.	NA.	195655	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-0000034674

Submitted On:

03-09-2021