



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-0000034230

Submitted Date

20-08-2021

PART A

Company Information

Company Name

JSW STEEL LIMITED (BILLET CASTER AND BAR MILL)

Application UAN number

0000024109

Address

GEETAPURAM DOLVI

Plot no

158,160

Taluka

PEN

Village

DOLVI

Capital Investment (In lakhs)

102700

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.0000024109-17/
CAC-1802000263

Consent Issue Date

07/02/2018

Consent Valid Upto

31/05/2022

Establishment Year

2016

Date of last environment statement submitted

Sep 17 2020 12:00:00:000AM

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

RED

Product Information

Product Name

BILLET CASTER

Consent Quantity

1.5 MTPA

Actual Quantity

85048.93

UOM

Ton/Y

BAR

1.4 MTPA

769099

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	8900	1719.18
Domestic	60	45
All others	NA.	NA.
Total	8960	1764.18

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	1800	100% RE-UTILIZED IPLANT	CMD
Domestic Effluent	30	29	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
BILLET CASTER BAR MILL	0.301	0.255	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
HOT METAL	1.012	1.012	MT/A
BIEELT	1.19	0.867	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
COKE OVEN GAS	1045 T/DAY	51133.31 NM3/HR	MT/A
BF GAS	3000 N3/DAY	78147.03 NM3/HR	MT/A
POWER	NA	1541.87 KWH/MT	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
LADLE HEATING STACK	93.2	1.2	63.6	50	NA

BAR MILL RE HEATING FURNACE STACK	19.5	17.3	65.4	50	NA
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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	17400	Ltr/A
5.1 Used or spent oil	400	450	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
SCALE FROM LADLE FURNACE(BLLET)	1647.44	1718.425	MT/A
SCALE FROM BAR MILL	5413.8	3497.7	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
SLUDGE FROM WWTP	900	800	Kg/Annum

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	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	17400	Ltr/A	Sent to MPCB Authorised Recycler
5.2 Wastes or residues containing oil	450	Kg/Annum	used in furnace

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
SCALE FROM BILLET CASTER	1718.425	MT/A	USED AT SINTER PLANT FOR SINTER MAKING
SCALE FROM BAR MILL	3497.7	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.	102700	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-0000034230

Submitted On:

20-08-2021