



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000085510

Submitted Date

24-09-2025

PART A

Company Information

Company Name

JSW STEEL LIMITED DOLV PHASE I(SIP,BF-1,HSM-1,SINTER 1 & 2 ,LCP-1-2,& LCP 4)

Application UAN number

MPCB UAN No.0000165700

Address

Geeta purm Dolvi Pen Dist Raigad Maharashtra

Plot no

78,79,80,81,82,83,84,85,86,87,88,89,90,94,95,101,104,106,107,10,8,109

Taluka

PEN

Village

DOLVI VILLAGE
VILLAGE

Capital Investment (In lakhs)

1442700

Scale

LARGE

City

RAIGAD

Pincode

402107

Person Name

Dr.Anand RAI

Designation

VICE
PRESIDENT(HOD
ENVIRONMENT)

Telephone Number

02143663000

Fax Number

0

Email

anand.raijsw.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

Format 1.0/CAC/UAN
NO.0000165700/CR-240200210

Consent Issue
Date

2024-02-02

Consent Valid Upto

2028-12-31

Establishment Year

1994

Date of last
environment
statement
submitted

Sep 27 2024
12:00:00:000AM

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

Product Information

Product Name

Calcinated Lime (LCP-1,2,4)

Consent Quantity

1200

Actual Quantity

1200

UOM

Ton/Ton

SPONGE IRON PLANT (DRI plant)	2.0	1.80	MT/A
Hot Rolled Coil (Hot Strip Mill-I)	3.5	3.14	MT/A
Liquid Metal/Pig Iron (Blast Furnace-I)	3.5	2.94	MT/A
SINTER-1	2.8	2.4	MT/A
SINTER-2	2.5	2.5	MT/A
ELECTRIC POWER FROM TOP[GAS RECOVERY TURBINE	12	5.09	Mwh
GRANULATED SLAG	1.28	1.13	MT/A
PULVERISED DRY COAL	0.9	0.31	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	0	0	Ton/Ton

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
	53288.00	22573.00
Cooling	0.00	0.00
Domestic	87.00	76.00
All others	0.00	0.00
Total	53375.00	22649.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	9592	6484	CMD
DOMASTIC EFFLUENT	70	62	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
Calcinated Lime (LCP-1,2,4) (M3/UNIT OF PRODUCT)	020	0.37	Ton/Ton
DIRECT REDUCED IRON (M3/UNIT OF PRODUCT)	0.75	0.581	Ton/Ton
Hot Rolled Coil (Hot Strip Mill-1)(M3/UNIT OF PRODUCT)	1.03	2.21	Ton/Ton
Liquid Metal/Pig Iron (Blast Furnace-I) (M3/UNIT OF PRODUCT)	1.17	2.58	Ton/Ton
SINTER I & II (M3/UNIT OF PRODUCT)	0.076	1.48	Ton/Ton

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	0.418	0.406	Ton/Ton
PELLETS	0.985	0.060	Ton/Ton
SINTER	0.775	1.94	Ton/Ton
QUARTZ	0.002	0.0411	Ton/Ton

DOLOMITE	0.014	0.0041	Ton/Ton
LIMESTONE	0.0411	0.0411	Ton/Ton
COAL	0.216	0.213	Ton/Ton
Iron Ore Fines - Bacheli	0.04	0.24	Ton/Ton
Iron Ore Fines - Odisha Fines (Low Grade)	0.057	0.05	Ton/Ton
Iron Ore Fines - Jabalpur Fines	0.0007	0.001	Ton/Ton
Iron Ore Fines - Odisha Fines (High Grade)	0.12	0.037	Ton/Ton
Iron Ore Fines - Odisha Fines (Medium Grade)	0.035	0.030	Ton/Ton
Iron Ore Fines - Oxide Fines	0.030	0.020	Ton/Ton
METALLIC (DRI/HBI, HOTMETAL, SCRAPE)	1.475	1.625	Ton/Ton
ARCL Pellets(Gross)	1.266	1.424	Ton/Ton
Kirandul Lump(Gross)	0.326	0.174	Ton/Ton
CARBURIZERS LIKE COKE BREEZE,NUT COKE,CPC	0.008	0.010	Ton/Ton
ELECTRODE 450,610	0.001	0.0005	Ton/Ton
FLUXES LIKE LIME ,FLUX DOLO,RAW DOLOMITE CALCINATED BAUXITE,FLOURSPAR 1	0.1007	0.00037	Ton/Ton
Karnataka/MEL Fines	0.022	4.766	Ton/Ton
Ore Fines - Odisha (High Grade)	0.077	0.038	Ton/Ton
Ore Fines - Odisha (Medium Grade)	0.019	0.032	Ton/Ton
Ore Fines - Odisha (low Grade)	0.078	1.128	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coke oven gas	0	69152708	NM3/Annum
BF GAS	0	2458349541	NM3/Annum
NATURAL GAS	0	13436240	NM3/Annum
OXYGEN	0	598236053	NM3/Annum
NITROGEN	0	264757983	NM3/Annum
COKE	0	1195570	Ton/Y
NUT COKE	0	133731	Ton/Y
PCI	0	570825	Ton/Y
POWER	0	393560113	Mwh
RLNG	0	10278	NM3/Annum

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	0	0	NA	0	0

[B] Air (Stack)

<i>Pollutants Detail</i>	<i>Quantity of Pollutants discharged (kL/day)</i>	<i>Concentration of Pollutants discharged(Mg/NM3)</i>	<i>Percentage of variation from prescribed standards with reasons</i>		
	<i>Quantity</i>	<i>Concentration</i>	<i>%variation</i>	<i>Standard</i>	<i>Reason</i>
Cast House Dedusting system	280.2	17.4	No Variation	50	NA
Stock House- 1	116.7	22.4	No Variation	50	NA
Stock House- 2	95.3	20.4	No Variation	50	NA
Stock House- 3	61.6	21.8	No Variation	50	NA
Stove stack	74.5	10.5	No Variation	50	NA
16 TPH Boiler Stack	38.9	13.9	No Variation	50	NA
Coal Injection Plant STACK	47.9	27.5	No Variation	50	NA
GCP - I Stack	510.8	14.7	No Variation	50	NA
GCP - II Stack	478.8	13.5	No Variation	50	NA
GCP - III Stack	67.7	12.9	No Variation	50	NA
GCP - IV Stack	128.8	17.4	No Variation	50	NA
Tunnel Furnace - I - A Stack	1.9	10.4	No Variation	50	NA
Tunnel Furnace - I - B Stack	1.8	10.4	No Variation	50	NA
Tunnel Furnace - II - A Stack	1.7	8.2	No Variation	50	NA
Tunnel Furnace - II - B Stack	1.2	7.8	No Variation	50	NA
Flue Gas Ejector Stack	78.8	9.5	No Variation	50	NA
Furnace Dust Collector Stack	11.2	25.0	No Variation	50	NA
Screen Dust Collector Stack C304	16.8	23.8	No Variation	50	NA
Screen Dust Collector Stack I	260.7	29.5	No Variation	50	NA
Screen Dust Collector Stack II	16.0	26.1	No Variation	50	NA
Product Silo Dust Collector Stack	13.0	19.7	No Variation	50	NA
Fuel Bag Filter Stack	16.8	19.6	No Variation	50	NA
Flux ESP Stack	32.8	24.5	No Variation	50	NA
Propotioning ESP Stack	33.4	26.2	No Variation	50	NA
Main Stack	859.7	37.6	No Variation	50	NA
Product Sinter Sizing & Discharge End ESP Stack	409.0	30.4	No Variation	50	NA
Main ESP	1724.0	17.4	No Variation	50	NA
Bag Filter- 1 (Flux/Fuel Crush or Building)	15.7	22.4	No Variation	50	NA
Bag Filter- 2 (Flux/Fuel Screen Building)	13.1	20.4	No Variation	50	NA
Bag Filter- 3(Near Sinter Product Screen Building)	12.8	21.8	No Variation	50	NA
Bag Filter- 4 (Near Sinter Product Crusher & HLQRF)	10.7	10.5	No Variation	50	NA
Bag Filter- 5 (Near Banker House & JHO8)	12.6	13.9	No Variation	50	NA
Bag Filter- 6(Banker House)	7.1	16.7	No Variation	50	NA
Bag Filter- 7 (Fuel Storage Crusher Building)	7.7	27.5	No Variation	50	NA

Limestone De-dusting system stack for Kiln I & II	4.9	12.8	No Variation	50	NA
Kiln - I Stack	17.8	19.0	No Variation	50	NA
Kiln - II Stack	17.7	16.5	No Variation	50	NA
Lime De-dusting system Stack for Kiln I & II	7.8	14.6	No Variation	50	NA
Kiln - IV Stack	16.4	19.2	No Variation	50	NA
Limestone De-dusting system stack for Kiln I	6.1	13.4	No Variation	50	NA
Lime De-dusting system Stack for Kiln IV	8.9	14.5	No Variation	50	NA
Hot Metal Granular Stack	38.9	16.7	No Variation	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	770	270	KL/A
5.2 Wastes or residues containing oil	809	9.343	MT/A
3.3 Sludge and filters contaminated with oil	0.11	2.69	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4477	4956	Nos./Y
4.2 Spent catalyst	00	39.79	MT/A

2) From Pollution Control Facilities

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

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	1031443	52572	Ton/Y
COKE FINES	222731	242525	Ton/Y
OXIDE FINES	831667	786466	Ton/Y
SINTER FINES	988682	983562	Ton/Y
Limestone fines	94825	219393	Ton/Y
LIME waste gas powder	6476	6983	Ton/Y
TUNDISH SKULL	3951	4539	Ton/Y
Mill SCALE	29465	29086	Ton/Y
LF SLAG	165421	144257	Ton/Y
EAF SLAG	860280	1070027	Ton/Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
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DUST FROM APC SYSTEM	75767	84620	Ton/Y
WWTP SLUDGE	23075	23523	Ton/Y
Sludge Generation	123195	122326	Ton/Y
ESP FINES	4130	4079	Ton/Y
GCP DUST	128695	132080	Ton/Y
DRI DUST FROM DE-DUSTING SYSTEM OF SMS	2208	3740	Ton/Y

3) Quantity Recycled or Re-utilized within the unit

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

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	270	KL/A	Sale to MPCB Authorized Recycler
5.2 Wastes or residues containing oil	9.343	MT/A	Use as Fuel in Furnace
3.3 Sludge and filters contaminated with oil	2.69	Ton/Y	SLUDGE
4.2 Spent catalyst	39.79	Ton/Y	SEND MPCB Authorized PARTY
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4956	Nos./Y	OIL FILTER

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
BLAST FURNACE SLAG	52572	Ton/Y	sell to cement plant
COKE FINES	242525	Ton/Y	Used in sinter plant
OXIDE FINES	786466	Ton/Y	Used in sinter plant
SINTER FINES	983562	Ton/Y	Used in sinter plant
LIME STONE FINES	219393	Ton/Y	Used in sinter plant
LIME WASTE GAS POWDER	6983	Ton/Y	Used in sinter plant
TUNDISH SKULL	4539	Ton/Y	Used in sinter plant
MILL SCALE	29086	Ton/Y	Used in sinter plant
LF SLAG	144257	Ton/Y	Used in land reclamation
EAF SLAG	1070027	Ton/Y	Non metallic slag is used for internal road making construction purpose ,and land reclamation.
DUST FROM APC SYSTEM	84620	Ton/Y	used in sinter plant
WWTP SLUDGE	23523	Ton/Y	Used in sinter plant
SLUDGE GENRATION	122326	Ton/Y	Used in sinter plant
ESP FINES	4079	Ton/Y	used in sinter plant
GCP DUST	132080	Ton/Y	Used in sinter plant
DRI DUST FROM DEDUSTING SYSTEM	3740	Ton/Y	Used in sinter plant

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)
0	0	0	0	0	1442700	0

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	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

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 218331 Nos. big trees and 8699114 Nos. small trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT (HOD-ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000085510

Submitted On:

24-09-2025