



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2026

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000093685

Submitted Date

25-06-2026

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

UAN No. MPCB-
CONSENT-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

Capital Investment (In lakhs)

1442700

Scale

LARGE

City

RAIGAD

Pincode

402107

Person Name

Dr.Anand RAI

Designation

MAHARASHTRA

Telephone Number

02143663000

Fax Number

0

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

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 24 2025
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

1.33

MT/A

Hot Rolled Coil (Hot Strip Mill-I)

3.5

3.2500

MT/A

Liquid Metal/Pig Iron (Blast Furnace-I)	3.5	3.160	MT/A
SINTER-1	2.8	2.8	MT/A
SINTER-2	2.5	2.40	MT/A
ELECTRIC POWER FROM TOP[GAS RECOVERY TURBINE	12	6.31	Mwh
GRANULATED SLAG	1.28	1.19	MT/A
PULVERISED DRY COAL	0.900	0.64	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	00	00	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	21070.00
Cooling	0.00	0.00
Domestic	87.00	80.00
All others	0.00	0.00
Total	53375.00	21150.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	9592	6974	CMD
DOMESTIC EFFLUENT	70	67	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-12,4) (m3 /Unit of Product)	037	17.62	Ton/Ton
DIRECT REDUCED IRON(m3/Unit of Product	0.581	0.015	Ton/Ton
Hot Rolled Coil (1)(M3 /Unit of Product)	2.21	0.065	Ton/Ton
Liquid Metal/Pig Iron (Blast Furnace-I) (M3/Unit of product)	2.58	0.066	Ton/Ton
SINTER I & II(m3/unit of Product)	1.48	0.04	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	0.406	0.375	Ton/Ton
PELLETS	0.060	1.04	Ton/Ton
Sinter	1.94	0.71	Ton/Ton
QUARTZ	0.0411	0.0020	Ton/Ton
Dolomite	0.0041	0.003	Ton/Ton
Limestone	0.0411	0.0045	Ton/Ton

coal	0.213	0.22	Ton/Ton
Iron Ore fines Bacheli	0.24	0.21	Ton/Ton
Iron Ore fines Odisha Fines (Low grade)	0.05	0.007	Ton/Ton
Iron Ore fines Jabalpur fines	0.001	0.001	Ton/Ton
Iron Ore fines -Odisha fines (high Grade)	0.037	0.000156	Ton/Ton
Iron Ore fines -Odisha fines(medium grade)	0.030	1.27	Ton/Ton
Iron Ore fines -Odisha fines	0.20	0.018	Ton/Ton
Metallic (DRI/HBI,HOTMETAL,SCRAPE)	1.652	1.65	Ton/Ton
ARCL Pellets(Gross)	1.424	1.522	Ton/Ton
Kirandul Lump(Gross)	0.174	0.138	Ton/Ton
CARBURIZERS LIKE COKE BREEZE,NUT COKE,CPC	0.010	0.011	Ton/Ton
ELECTRODE 450,610	0.0005	0.00059	Ton/Ton
FLUXES LIKE LIME ,FLUX DOLO,RAW DOLOMITE CALCINATED BAUXITE,FLOURSPAR 1	0.00037	0.142	Ton/Ton
Karnataka/MEL fines	4.766	0.280	Ton/Ton
Iron Ore fines -Odisha fines (high Grade)	0.038	0.003	Ton/Ton
Iron Ore fines -Odisha fines (Medium Grade)	0.032	1.45	Ton/Ton
Iron Ore fines -Odisha fines (Low grade)	1.128	0.115	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coke oven gas	0	509952788.28	NM3/Annum
BF GAS	0	2670980024.3	NM3/Annum
Natural Gas	0	2231560.6	NM3/Annum
OXYGEN	0	367722014.21	NM3/Annum
NITROGEN	0	183526920.93	NM3/Annum
COKE	0	1188636	Ton/Y
NUT COKE	0	112847	Ton/Y
PCI	0	7000221	Ton/Y
POWER	0	164939.027	Mwh
RLNG	0	18681	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	00	No variation	00	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
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	Quantity	Concentration	%variation	Standard	Reason
Cast House Dedusting system	383.0	22.3	No Variation	50	NA
Stock House- 1	126.6	28.7	No Variation	50	NA
Stock House- 2	85.6	26.9	No Variation	50	NA
Stock House- 3	73.8	25.2	No Variation	50	NA
Stove stack	65.1	14.4	No Variation	50	NA
16 TPH Boiler Stack	43.4	18.1	No Variation	50	NA
Coal Injection Plant STACK	40.6	29.7	No Variation	50	NA
GCP - I Stack	681.1	19.9	No Variation	50	NA
GCP - II Stack	715.1	20.6	No Variation	50	NA
GCP - III Stack	67.9	17.1	No Variation	50	NA
GCP - IV Stack	108.1	21.2	No Variation	50	NA
Tunnel Furnace - I - A Stack	2.2	12.2	No Variation	50	NA
Tunnel Furnace - I - B Stack	1.9	12.2	No Variation	50	NA
Tunnel Furnace - II - A Stack	2.5	12.3	No Variation	50	NA
Tunnel Furnace - II - B Stack	2.5	13.4	No Variation	50	NA
Flue Gas Ejector Stack	132.3	14.2	No Variation	50	NA
Furnace Dust Collector Stack	18.1	27.6	No Variation	50	NA
Screen Dust Collector Stack C304	18.2	26.0	No Variation	50	NA
Screen Dust Collector Stack I	31	32.5	No Variation	50	NA
Screen Dust Collector Stack II	15.5	27.00	No Variation	50	NA
Product Silo Dust Collector Stack	13.2	22.7	No Variation	50	NA
Fuel Bag Filter Stack	15.5	19.7	No Variation	50	NA
Flux ESP Stack	27.6	24.6	No Variation	50	NA
Propotioning ESP Stack	37.8	26.7	No Variation	50	NA
Main Stack	766.4	36.8	No Variation	50	NA
Product Sinter Sizing & Discharge End ESP Stack	389.7	29.5	No Variation	50	NA
Main ESP	1016.0	34.5	No Variation	50	NA
Bag Filter- 1 (Flux/Fuel Crush or Building)	23.9	16.0	No Variation	50	NA
Bag Filter- 2 (Flux/Fuel Screen Building)	19.5	21.0	No Variation	50	NA
Bag Filter- 3(Near Sinter Product Screen Building)	14.3	19.8	No Variation	50	NA
Bag Filter- 4 (Near Sinter Product Crusher & HLQRF)	13.3	20.0	No Variation	50	NA
Bag Filter- 5 (Near Banker House & JH08)	11.8	19.6	No Variation	50	NA
Bag Filter- 6(Banker House)	6.8	16.1	No Variation	50	NA
Bag Filter- 7 (Fuel Storage Crusher Building)	10.1	17.2	No Variation	50	NA
Limestone De-dusting system stack for Kiln I & II	7.1	14.9	No Variation	50	NA
Kiln - I Stack	16.4	20.6	No Variation	50	NA

Kiln - II Stack	25.5	22.8	No Variation	50	NA
Lime De-dusting system Stack for Kiln I & II	9.3	16.6	No Variation	50	NA
Kiln - IV Stack	20.1	24.3	No Variation	50	NA
Lime De-dusting system Stack for Kiln IV	7.0	15.8	No Variation	50	NA
Hot Metal Granular Stack	17.4	14.4	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	270	131.400	KL/A
5.2 Wastes or residues containing oil	9.342	9.681	MT/A
3.3 Sludge and filters contaminated with oil	2.69	5.52	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4956	4985	MT/A
4.2 Spent catalyst	39.79	13.96	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	CMD

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	106571	1197043	Ton/Y
COKE fines	175124	471812	Ton/Y
Oxide fines	528767	882570	Ton/Y
Sinter Fines	719467	1181195	Ton/Y
Limestone Fines	186755.4	223602	Ton/Y
LIME Waste GAS POWDER	9133.76	6646	Ton/Y
Tundish skull	170325	3761	Ton/Y
Mill Scale	43184	27968	Ton/Y
LF SLAG	22687	156972	Ton/Y
EAF SLAG	28157	1173788	Ton/Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
DUST FROM APC SYSTEM	84620	107748	Ton/Y
WWTP SLUDGE	23523	25353	Ton/Y
Sludge Generation	122326	128642	Ton/Y
GCP DUST	132080	121518	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	131.40	KL/A	SALES TO MPCB AUTHORISED RECYCLER
5.2 Wastes or residues containing oil	9.68	MT/A	Use as Fuel in Furnace
3.3 Sludge and filters contaminated with oil	5.52	MT/A	Used In Furnace
4.2 Spent catalyst	13.96	MT/A	SALES TO MPCB AUTHORISED RECYCLER
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	4985	Nos./Y	SALES TO MPCB AUTHORISED RECYCLER

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
BLAST FURNACE SLAG	1197043	Ton/Y	sell to cement plant
COKE FINES	471812	Ton/Y	Used in sinter plant
OXIDE FINES	882570	Ton/Y	Used in sinter plant
SINTER FINES	1181195	Ton/Y	Used in sinter plant
LIME STONE FINES	233602	Ton/Y	Used in sinter plant
LIME WASTE GAS POWDER	6646	Ton/Y	Used in sinter plant
TUNDISH SKULL	3761	Ton/Y	Used in sinter plant
MILL SCALE	27968	Ton/Y	Used in sinter plant
LF SLAG	156972	Ton/Y	Used in sinter plant
EAF SLAG	1173788	Ton/Y	Non metallic slag is used for internal road making construction purpose ,and land reclamation
DUST FROM APC SYSTEM	107748	Ton/Y	Used in sinter plant
WWTP SLUDGE	25353	Ton/Y	Used in sinter plant
SLUDGE GENRATION	128642	Ton/Y	Used in sinter plant
GCP DUST	121518	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

<u>Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.</u>		
<u>[A] Investment made during the period of Environmental Statement</u>		
<i>Detail of measures for Environmental Protection</i>	<i>Environmental Protection Measures</i>	<i>Capital Investment (Lacks)</i>
NA	NA	0

<u>[B] Investment Proposed for next Year</u>		
<i>Detail of measures for Environmental Protection</i>	<i>Environmental Protection Measures</i>	<i>Capital Investment (Lacks)</i>
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 219886 Nos. big trees and 8732875 Nos. small trees etc. have been planted.

Name & Designation

DR.ANAND RAI VICE PRESIDENT (HOD-ENVIRONMENT)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000093685

Submitted On:

25-06-2026