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-0000084795

***Submitted Date***
22-09-2025

## PART A

### *Company Information*

***Company Name***
JSW STEEL LIMITED DOLVI(INTEGREATED STEEL PLANT 5 to 10 MTPA phase II)

***Application UAN number***
MPCB UAN No.0000136178

***Address***
Geeta purm Dolvi Pen Dist Raigad Maharashtra

***Plot no***
32,33,38,42,43,44,45,49,50,54,,55,56,,75,77,139,142

***Taluka***
PEN

***Village***
DOLVI VILLAGE VILLAGE

***Capital Investment (In lakhs)***
2005150

***Scale***
LARGE

***City***
RAIGAD

***Pincode***
402107

***Person Name***
Dr.Anand RAI

***Designation***
VICE PRESIDENT(HOD ENVIRONMENT)

***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.0000204020/CR-25030012201

***Consent Issue Date***
2025-03-08

***Consent Valid Upto***
2028-04-30

***Establishment Year***
2021

***Date of last environment statement submitted***
Sep 21 2024 12:00:00:000AM

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

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Calcinated Lime (LCP-5,6,7) | 1800 | 1591 | Ton/Ton |
| Pellet (Pellet plant II) | 9000000 | 6644513 | MT/A |
| Crude steel/ Steel Slab (Steel Melting Shop-II) | 6200000 | 785826 | MT/A |

| | | | |
|---|---|---|---|
| Hot Rolled Coil (Hot Strip Mill-II) | 5000000 | 4400265 | MT/A |
| Liquid Metal/Pig Iron (Blast Furnace-II) | 4500000 | 4700714 | MT/A |
| Power Generation | 245.6 | 171.14 | Mwh |
| BILLETS | 1500000 | 952722 | MT/A |
| TMT BAR | 1400000 | 1000990 | MT/A |
| ELECTRIC POWER FROM TOP[ GAS RECOVERY TURBINE | 37.25 | 17.68 | Mwh |

***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*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 0.00 | 0.00 |
| ***Cooling*** | 88085.00 | 37673.00 |
| ***Domestic*** | 300.00 | 295.00 |
| ***All others*** | 7349.20 | 6005.00 |
| ***Total*** | 95734.20 | 43973.00 |

***2) Effluent Generation in CMD / MLD***

| ***Particulars*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| TRADE EFFLUENT | 19265 | 8006 | CMD |
| DOMASTIC EFFLUENT | 258 | 244 | 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-5,6,7) (M3/UNIT OF PRODUCT) | 013 | 1.15 | Ton/Ton |
| Pellet (Pellet plant II) (M3/UNIT OF PRODUCT) | 010 | 2.19 | Ton/Ton |
| Crude steel/ Steel Slab (Steel Melting Shop-II) (M3/UNIT OF PRODUCT) | 061 | 1.5 | Ton/Ton |
| Hot Rolled Coil (Hot Strip Mill-I)(M3/UNIT OF PRODUCT) | 037 | 3.3 | Ton/Ton |
| Liquid Metal/Pig Iron (Blast Furnace-I) (M3/UNIT OF PRODUCT) | 061 | 3.1 | Ton/Ton |
| BILLET CASTER BAR MILL (M3/UNIT OF PRODUCT) | 033 | 1.3 | 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 | 0.37 | 0.37 | Ton/Ton |
| IRON ORE | 0.024 | 0.062 | Ton/Ton |
| PELLETS | 1.174 | 1.20 | Ton/Ton |
| SINTER | 0.673 | 0.63 | Ton/Ton |
| QUARTZ | 0.001 | 0.003 | Ton/Ton |

| | | | |
|---|---|---|---|
| DOLOMITE | 0.008 | 0.02 | Ton/Ton |
| LIMESTONE | 3.0 | 2.69 | 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) | 1.14 | 1.15 | Ton/Ton |
| LIQUID STEEL | 1.01 | 1.01 | Ton/Ton |
| HOT METAL SLAB | 0.093 | 1.01 | Ton/Ton |

### *4) Fuel Consumption*

| ***Fuel Name*** | ***Consent quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Coke oven gas | 0 | 400776058.2 | NM3/Annum |
| BF GAS | 0 | 4216919086 | NM3/Annum |
| NATURAL GAS | 0 | 5114126.0 | NM3/Annum |
| LD GAS GENERATION | 0 | 800799252.8 | NM3/Annum |
| OXYGEN | 0 | 797311176.9 | NM3/Annum |
| NITROGEN | 0 | 464750889 | NM3/Annum |
| COKE | 0 | 1771286.4 | Ton/Y |
| NUT COKE | 0 | 197898 | Ton/Y |
| PCI | 0 | 1004030 | Ton/Y |
| POWER | 0 | 1076490.3 | Mwh |
| COKE & CPC | 0 | 1484 | Ton/Y |

## 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)*

| ***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*** |
|---|---|---|---|---|---|
| KILLN -5 | 25.5 | 20.1 | No Variation | 50 | NA |
| KILLN -6 | 30.6 | 23.2 | No Variation | 50 | NA |
| KILLN -7 | 26.7 | 22.6 | No Variation | 50 | NA |
| PELLET-2 Process ESP Stack | 855 | 28.5 | No Variation | 50 | NA |

| | | | | | |
|---|---|---|---|---|---|
| PELLET-2 De Dusting ESP Stack | 111.2 | 15.2 | No Variation | 50 | NA |
| PELLET-2 Storage Bin Stack | 14.7 | 15.3 | No Variation | 50 | NA |
| SMS-2 Secondary De-Dusting Stac | 1650.8 | 26.6 | No Variation | 50 | NA |
| HSM-2 Reheating Furnace Stack | 108.3 | 11.00 | No Variation | 50 | NA |
| HSM-2 Reheating Furnace Stack | 100.9 | 11.00 | No Variation | 50 | NA |
| HSM-2 Fume Exhaust Stack | 11.3 | 10.6 | No Variation | 50 | NA |
| BF-2 Cast House Dedusting System | 643.1 | 24.7 | No Variation | 50 | NA |
| BF-2 Stock House De System Stack-1 | 1084.9 | 26.7 | No Variation | 50 | NA |
| BF-2 Stock House De System Stack-2 | 63.0 | 20.5 | No Variation | 50 | NA |
| BF-2 Stock House De System Stack 3 | 16.8 | 17.8 | No Variation | 50 | NA |
| BF-2 Coal Injection Stack | 136.5 | 20.6 | No Variation | 50 | NA |
| BF-2 Pig Iron Granulation Stack | 7.5 | 12.0 | No Variation | 50 | NA |
| BF-2 Stove stack | 104.1 | 10.5 | No Variation | 50 | NA |
| Boiler Stack 175 MW CPP | 53.1 | 6.6 | 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 | 153.4 | 64.2 | KL/A |
| 5.2 Wastes or residues containing oil | 472 | 13598 | Kg/Annum |
| Other Hazardous Waste | 0.076 | 0.200 | MT/A |
| Other Hazardous Waste | 18.09 | 16.21 | MT/A |
| Other Hazardous Waste | 0 | 34 | Ton/Y |

#### *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 | 1655948 | 98512 | Ton/Y |
| COKE FINES | 391867 | 389117 | Ton/Y |
| OXIDE FINES | 643185 | 563421 | Ton/Y |
| SINTER FINES | 536568 | 626065 | Ton/Y |
| Limestone fines | 291750 | 286396 | Ton/Y |
| waste gas powder | 34483 | 33661 | Ton/Y |
| Dolo Fines | 97057 | 182260.71 | Ton/Y |

| | | | |
|---|---|---|---|
| quick lime | 7684 | 7031 | Ton/Y |
| TUNDISH SKULL | 19534 | 49432 | Ton/Y |
| Refractory | 31999 | 9176 | Ton/Y |
| Mill SCALE | 9414 | 134401 | Ton/Y |
| BOF SLAG | 614144 | 689758 | Ton/Y |
| LF SLAG | 128965 | 179007 | Ton/Y |
| KR SLAG | 113201 | 87110 | Ton/Y |
| SCALE FROM BAR MILL | 6335 | 8780.26 | Ton/Y |
| BILLET SCALE | 00 | 0.0020 | Ton/Y |

***2) From Pollution Control Facilities***

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| GCP DUST (Dust pot + Dust catcher) | 156050 | 175958 | Ton/Y |
| GCP DUST SMS II | 120595 | 106371 | 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 | 64.2 | KL/A | Sale to MPCB Authorized Recycler |
| 5.2 Wastes or residues containing oil | 13.598 | MT/A | Use as Fuel in Furnace |
| Other Hazardous Waste | 0.200 | Ton/Y | OIL FILTER |
| Other Hazardous Waste | 16.21 | Ton/Y | USED GLASS WOOL SEND MPCB Authorized PARTY |
| Other Hazardous Waste | 34 | Ton/Y | COPPER SCRAPE SEND MPCB Authorized PARTY |

***2) Solid Waste***

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| NA | 0 | Ton/Y | 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) |
|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 2005150 | 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-0000084795

***Submitted On:***

22-09-2025