Ref: AMNS/CPP/SPCB/25-26/Form-V

Date: 23.09.2025

To

The Member Secretary

State Pollution control Board,

A-118, Nilakantha Nagar,

Unit-VIII, Bhubaneswar, Odisha

Sub: Submission of Environmental Statement of ArcelorMittal Nippon Steel India Private Limited (Captive Power Plant) in FORM-V for period Apr' 2024 to Mar' 2025.

Dear Sir,

We are submitting herewith the annual environmental statement in Form-V of ArcelorMittal Nippon Steel India Private Limited, Paradeep (Captive Power Plant) for the period Apr 2024 to Mar 25 for your kind perusal.

This is for your kind perusal please.

Thanking you

Yours Faithfully

For ArcelorMittal Nippon Steel India Private Limited

R. Sinha

Rajarshi Sinha
Plant Head, Captive Power Plant

Encl: Copy of Form-V and annexure

Copy to: Regional Officer, State Pollution control Board, Paradeep region, Paradeep

FORM – V

Environmental Audit Report for the Financial year ending on 31st March 2025

(2024-25)

PART- A

i	Name and Address of the occupier of the industry, operation, or process	Mr. Dilip Oommen, Chief Executive Officer, ArcelorMittal Nippon Steel India Pvt. Ltd., At- Udayabata, Po-Paradeep, Dist. - Jagatsinghpur, Odisha.Pin:754142
ii	Industry category Primary ----(STC code) Secondary.-----(SIC Code)	CIN U27100GJ1976FLC013787
iii	Production capacity --Units-	Generation of Electrical Power (2X30 MW)
iv	Year of establishment	February 2015
v	Date of last Environment statement submitted	20/09/2024

PART- B

i	**WATER CONSUMPTION** **Water consumption m^3/day** Process : 649.87 Cum/day Cooling : 1910.34 Cum/day Domestic : 105 Cum/Day Considering 276 days of plant operation.		
	Name of the products	**WATER CONSUMPTION PER UNIT(M3/hr/MW) OF PRODUCTION**	
		During the Previous Financial year (2023-2024)	During Current Financial year (2024-2025)
(1)	Electrical Power	3.5 M3/MWH	3.47 M3/MWH

ii	**RAW MATERIAL CONSUMPTION**			
	Name of the Raw material	Name of the Product	Consumption of Raw materials per unit of output in Metric Tonne	
			During the Previous Financial year (2023-2024)	During Current Financial year (2024-2025)
(1)	Steam Coal	Electrical Power	0.962 Kg/KWh	0.984 Kg/KWh

PART- C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

1	Pollutants	Quantity of Pollution generated	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reason
a	**PH,BOD, COD,TSS (Waste water generated from CPP)**	146232.64 M3	I) **pH** - 7.0 II) **BOD**- 5.2 mg/l III) **COD**- 22.0 mg/l IV) **TSS**-28.0 mg/l	No Variation
b	**SPM, SO2,NOx, Hg (Emission from Stack)**	SPM: 258 Tn/year SO2: 2183 Tn/year NOX:1639 Tn/year	i) **SPM-** 16.69 mg/Nm3 ii) **SO2-** 341.02 mg/Nm3 iii) **NOx-** 256.13 mg/Nm3 iv) **Hg-** <0.18 mg/Nm3	No Variation

PART- D

Hazardous waste

As specified under Hazardous and Other waste (Management & Trans-boundary Movement) Rule, 2016 and amendments thereof.

Hazardous waste Generation		TOTAL QUANTITY	
		During the Previous Financial year (2023-2024)	During the current Financial year (2024-2025)
a	From Process	Used Oil- 1.2958KL Waste Containing Oil- 0.035KL Spent Ion Exchange Resin- Nil	Used Oil-9.4275 KL Waste Containing Oil- 0.068KL Spent Ion Exchange Resin- Nil
b	From Pollution Control facilities	NIL	NIL

PART- E

Solid wastes

Solid Wastes		TOTAL QUANTITY	
		During the Previous Financial year (2023-2024)	During the current Financial year (2024-2025)
a	From Process	44142.9 MT of Ash generated**	94623.6 MT of Ash generated**
b	From Pollution Control facilities	NIL	NIL
c	Quantity recycled or reutilised within the unit	NIL	NIL

** 30347.3 MT of fly ash was supplied to brick manufacturing units and 64276.24 MT of fly ash was utilized for own land development by filling the low lying area during FY 2024-25.

PART- F

Please classify the characteristics (in terms of concentration and quantities) of hazardous as well as solid wastes and indicate disposal practices adopted for both these categories of wastes)

- The used oil generated from process/equipment is collected and stored in MS barrels with caps intact. These barrels are then stored on impervious lined floor under a covered shed and is disposed of to the authorised re-processor/recycler in accordance with the procedures laid down in applicable Hazardous and other waste (Management and trans-boundary movement rules 2016 and amendment thereof). The plant is having authorization for generation of used oil (10 KL per Annum), wastes/ residues containing oil (1 KL per Annum) and the authorization is valid upto 31.03.2027.

- Fly ash generated is collected from ESP and then conveyed to Ash silos through conveying system. Silos are having bag filters which separates air and ash with proper purging system. The fly ash after being conditioned by water is taken out in covered truck. Fly Ash is supplied to local fly ash brick manufacturing units and for plant internal land development by filling low lying areas in eco-friendly manner. Annual ash utilization is 100% and the annual report is submitted to SPCB-Odisha.

PART- G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

The various natural resource conservation measures, environmental abatement, and monitoring measures taken are as follows:

Resource Conservation:

- Filtered & Treated water from pellet Plant, Arcelor Mittal Nippon Steel India Private Limited is being used in process instead of fresh water from Taladanda Canal. Zero liquid discharged is being maintained through out the year. 36.5% land is covered with greenbelt which is conserving top soil as a natural resource.

Environmental Abatement:

- Green Belt has been developed over an area of 36.5 acres by planting 36500 saplings of local species.
- All roads and drains inside the Power Plant complex is completed (Bitumen and concrete cement top).
- E-vehicle (Battery operated) is used inside the plant for material as well as manpower transportation).
- Housekeeping drive is being conducted at various areas of the plant by dedicated team.
- Mechanized road sweeping machine is engaged to clean all internal roads.
- Dust extraction system is installed in all houses of Coal handling plant.
- Dust suppression system is installed surrounding coal stock yard to prevent spontaneous fire and coal dust emission. In addition, 3 layers of saplings have been planted surrounding coal stock yard.
- Wheel washing system is installed and is kept in operation.
- Sewage Treatment Plant is in operation and the treated water is used for gardening.
- Coal storage shed of capacity 30000 MT is commissioned and coal is stored with full capacity. This helps significant control over fugitive dust emission and surface run-off.

- Metallic wind screen of 12 mtr height and a length of 84 mtr is installed against wind direction which has significant control over fugitive dust emission.
- Provision of PPEs zone developed and ear plugs/muffs are provided to personnels working close to the noise generating equipments.

Monitoring System

- 02 Nos of CAAQMS were commissioned on 29.03.2016 and online data is being transmitted to SPCB and CPCB server on continuous basis.
- On-line Effluent Monitoring system is commissioned on 18.02.2016 and online data is being transmitted to SPCB and CPCB server on continuous basis.
- Online stack monitoring system commissioned in Feb 2016 and online data is being transmitted to SPCB and CPCB server on continuous basis.
- Digital environmental display board has been installed in Dec 2015. It is being monitored every day for non-compliance.
- Monthly ambient and water monitoring is being carried out by third party service and reports submitted in every month.
- Online remote calibration facility implemented to verify the same at SPCB end.
- HD IP camera is installed to monitor the emission from stack and fugitive emission from other areas. The connectivity has been extended to RT-DAS server of OSPCB.

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- One dedicated team is working under Environment Management cell.
- Imparting Environmental awareness trainings to the workmen.
- World Environment Day was celebrated on 5th June'2024 with active participation from the employees and contractual workers. 500 saplings planted in a day.
- Housekeeping in all areas is being conducted regularly.
- Single used plastic (SUP) is completely banned. Alternatives of SUP viz. steel water bottle and cloth bags are being used inside the plant.
- 3rd Party Hazardous Waste Audit was carried out by M/s Ecokart Technology Pvt Ltd, Bhubaneswar for the period Apr'2024 to Mar'2025 was conducted on 20.06.2025.
- Plantation drive is in full pace and achieved 36.5% of total land under greenbelt as on date.

PART -I

MISCELLANEOUS:

Any other particulars in respect of environmental protection and abatement of pollution

Total 100.00% ash has been utilized by local brick manufacturing units and towards own land development by filling low lying area.

Photos in support of Environment statement (2024-25)

Metallic wind screen installed to control fugitive emission

(Concrete and Bitumen top roads)

(Lawn/Greenbelt)

(Lawn)

(E-vehicles)

(Coal yard water sprinkling)

(Chimney & IP PTZ-HD camera)

(Environmental data display and monitoring stations)

(Covered Fly Ash carrying truck)

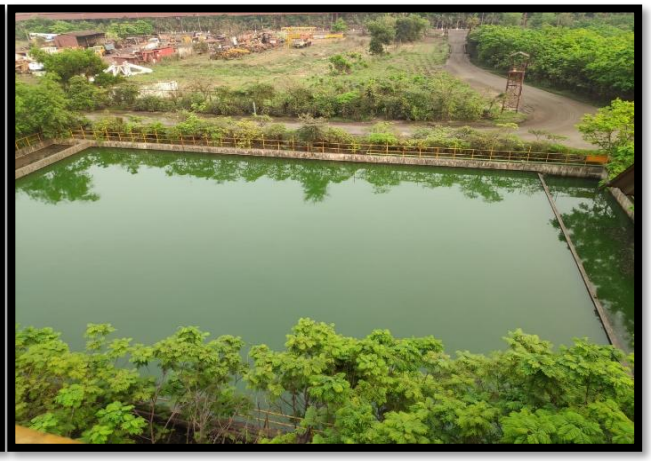
(Wheel washing station)

(Mechanized road sweeping machines

(Coal shed)

(Wheel washing station) **(ETP)**

(STP)



(Surface run-off pond)

(Hazardous waste storage shed)

(Internal land development by filling fly ash in Eco-friendly manner)

(Display of single use plastic ban in plant premises)

(Glimpse of Celebration of World Environment Day at AMNSI, Paradeep)

(Awareness campaign on mission LiFE) **(Celebration of World Environment Day)**

***