TSJ/EMD/C-23/145/26
September 28, 2026

The Member Secretary
Jharkhand State Pollution Control Board
T.A. Division Building,
HEC Campus, Dhurwa
Ranchi- 834004

Sub.: Submission of Environmental Statement (Form V) for 1800 TPD ASU (Air Separation Unit) of Tata Steel Limited, Jamshedpur for the year 2025-26

Dear Sir

With the reference to the captioned subject, we are herewith submitting the Environmental Statement (Form V) for 1800 TPD ASU (Air Separation Unit) of Tata Steel Limited, Jamshedpur for the year 2025-26.

Requesting you to kindly acknowledge the same and put in your records for future reference.

Thanking You

Yours faithfully
For Tata Steel Limited



Head Environment Management TSJ & CoE

Encl.: As above
Copy to: Regional Officer, Jharkhand State Pollution Control Board, Jamshedpur

ENVIRONMENTAL STATEMENT
FOR THE YEAR 2025-26

1800 TPD Air Separation Unit
Tata Steel Limited

Submitted by:
Environmental Management Department
Tata Steel Limited
Jamshedpur-831001
Jharkhand

[Form V]

Environmental Statement for the Financial Year ending 31/03/2026

PART-A

i)	Name and address of the owner / occupier of the industry operation or process	Mr. T.V. Narendran CEO & MD, Tata Steel Limited 1X1800 TPD Air Separation Unit
ii)	Industry Category	Green Category
iii)	Production Capacity	HP Oxygen – 700 (TPD), LP Oxygen - 960 (TPD), Liquid Oxygen - 140 (TPD), HP Nitrogen – 450 (TPD), MP Nitrogen - 450 (TPD), Liquid Nitrogen - 100 (TPD), Argon Gas – 20 (TPD), Liquid Argon - 30 (TPD) & Dry Compressed Air- 28000 (Nm3/hr)
iv)	Year of establishment	2025
v)	Date of last Environmental Statement submitted	Will be submitting for 1st time in Sept'26 for FY'26 (Aug'25 to March'26)

PART-B

WATER & RAW MATERIAL CONSUMPTION

i) **Water Consumption, m^3/day**

1. Process : 1380
2. Domestic : 25

Name of the product	Process water consumption per unit of product Output (m^3/t of product)	
	2024-25	2025-26
HP Oxygen – 700 (TPD), LP Oxygen - 960 (TPD), Liquid Oxygen - 140 (TPD), HP Nitrogen – 450 (TPD), MP Nitrogen - 450 (TPD), Liquid Nitrogen - 100 (TPD), Argon Gas – 20 (TPD), Liquid Argon - 30 (TPD) & Dry Compressed Air- 28000 (Nm3/hr)	NA	0.47

ii) **Raw Material Consumption:**

Name of raw material	Name of the products	Consumption of raw material per unit of output (kg/ton of product)	
		2024-25	2025-26
Atmospheric Air	HP Oxygen – 700 (TPD), LP Oxygen - 960 (TPD), Liquid Oxygen - 140 (TPD), HP Nitrogen – 450 (TPD), MP Nitrogen - 450 (TPD), Liquid Nitrogen - 100 (TPD), Argon Gas – 20 (TPD), Liquid Argon - 30 (TPD) & Dry Compressed Air- 28000 (Nm3/hr)	NA	1,830 Nm^3 per ton of gas produced

PART-C

POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT
(PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)

Pollutants	Quantity of pollutants Discharged (Kg/day)		Concentrations of pollutants in discharges (mg/L)		Percentage of variation from prescribed standards with reasons
	2024-25	2025-26	2024-25	2025-26	
a) WATER	**Kg/day**		**mg/L**		
	NA*		NA*		
b) AIR	**Kg/day**		**mg/Nm^3**		
PM	NA#		NA#		-

*No process effluent is being discharged outside the premises as the Unit is Zero Effluent Discharge unit

No process stack is associated with the Air Separation Unit (ASU), as the facility operates by physical separation of atmospheric air without any combustion or chemical reaction process.

PART-D

HAZARDOUS WASTES

(As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2016)

Hazardous Wastes	Total Quantity (in MT)	
	2024-25	2025-26
(a) From Process		
Used oil	NA	0
Waste coolant mix oil	NA	0
Oil-soaked cotton jute	NA	0
(b) From pollution control facilities	Nil	Nil

PART-E

Solid Waste

Sl. No.	Solid Waste	Total Quantity (in MT)	
		2024-25	2025-26
(a)	**From process**	NA	NA
(b)	**From pollution control facilities**	NA	NA
(c)	(1) Quantities recycled or reused within the unit	NA	NA
	(2) Sold	NA	NA
	(3) Disposed	NA	NA

PART-F

Please specify the characterisation (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Hazardous / Solid wastes	Characteristics	Method of disposal

The ASU has been operational since August 2025, and no substantial quantity of hazardous waste requiring disposal has been generated to date. Any hazardous waste generated in future shall be disposed of through SPCB-authorized recyclers/TSDF facilities as per statutory requirements.

PART – G

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

NA

PART – H

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

- The ASU commenced operations in August 2025. Environmental pollution control and infrastructure development activities are being implemented in a phased manner. Pucca internal roads and concrete boundary walls have been provided and good housekeeping within the plant premises is being maintained.

PART – I

Any other particulars for improving the quality of the environment

- Plantation of native tree saplings within the facility premises.