TSJ/EMD/C-23/144/26
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 1290 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 1290 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

1290 TPD

AIR SEPARATION UNIT (ASU)

TATA STEEL LIMITED

SUBMITTED BY:

ENVIRONMENT MANAGEMENT DEPARTMENT

TATA STEEL LIMITED

JAMSHEDPUR-831001

JHARKHAND

FORM – V

(See Rule 14)

Environmental Statement for the Financial Year ending the 31st of March 2026

PART-A

I)	Name and address of the owner/occupier of the industry operation or process	T. V. Narendran Mauza-Sunsungaria, P.S. Jamshedpur Dist: East-Singhbhum
II)	Industry Category Primary (STC Code) Secondary (STC Code)	Green --- ---
III)	Production capacity	Oxygen - 1290 TPD, Nitrogen - 615 TPD, Argon - 102.5 TPD
IV)	Year of establishment	1998
V)	Date of the last environmental statement submitted.	26 September 2025

PART-B

WATER AND RAW MATERIAL CONSUMPTION

i) Water Consumption (m^3/day)

Process & Cooling : 923

Domestic Consumption: 115

Name of the products	**Process water consumption per unit of product Output (m3/ton of product)**	
	During the previous financial Year (2024-25)	During the current financial year (2025-26)
• Nitrogen • Argon • Oxygen	0.518 m^3/Ton	0.549 m^3/Ton

ii) Raw Material Consumption:

Name of Raw Material	**Name of Products**	**Consumption of raw material per unit of output (Atmospheric air consumption in m3/ton of product)**	
		During Previous Financial Year (2024-25)	**During Current Financial Year (2025-26)**
Atmospheric Air	• Nitrogen • Argon • Oxygen	2443.93m^3/Ton	2419.20 m^3/Ton

PART-C
Pollution discharged to environment/ unit of output.

Pollution	Quantity of pollutants discharged. (mass/day)	Concentrations of pollutants discharged. (mass / volume)	Percentage of variation from prescribed standards with reasons
a) WATER	**kg/day**	**mg/NM3**	
Not Applicable as unit is Zero Effluent Discharge unit			
b) AIR	**kg/day**	**mg/NM3**	
Not Applicable as there is no stack in the unit.			

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

Hazardous Wastes	Total Quantity (kg)	
	During Previous Financial Year (2024-25)	During Current Financial Year (2025-26)
From Process - Waste Oil	723 Kg	1120 Kg
From Pollution control facilities#	Nil	Nil

The unit is non- polluting green category, not generating any pollution. Hence, there is no such pollution control equipment like Bag filter or ESP.

PART-E
SOLID WASTES

	Total Quantity	
	During Previous Financial Year (2024-25)	During Current Financial Year (2025-26)
(a) From process	No solid waste is generated from process	
(b) From pollution control facility	There is no pollution control facility as the unit is non polluting	
(c) (1) Qty recycled or re-utilised within the unit	N/A	N/A
(2) Sold	N/A	N/A
(3) Disposed*	3280 Kg	8270 Kg

*All Municipal solid waste like paper, cartoon, domestic and canteen waste is being routed through TS-UISL for further management and handling.

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.

Name of Wastes	Characteristics	Quantum	Disposal Method
Waste Oil	Oily	100%	Sell to Authorised recycler
Municipal solid waste	Garbage/ paper / leaf/ food waste / cloth waste / cartoon	8270 Kg	Routed through TS-UISL

PART – G

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

1. LED lamps are being used in entire unit leads to saving of electricity thus ultimately conservation of coal.
2. Auto process control system is controlling the plant which operates the plant in most efficient manner, conserving electricity.
3. All the lighting system are energy efficient.
4. VFD drives and energy efficient chillers pump are in use for better energy efficiency.
5. Regular upgrade in plant operating software for operating plant in energy efficient manner, thus saving electricity.
6. All disposable batteries are being replaced by re-chargeable batteries.

PART – H

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

1. We have grown greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
2. Rainwater Harvesting facility is in place for recharge of ground level. There are two rainwater harvesting pits in the premises.
3. R-32 is being used as the refrigerant in all the air-conditioners which is a balanced refrigerant and has a global warming potential that is one-third lower and is remarkable for its low environmental impact and is energy efficient.

PART – I

Any other particulars for improving the quality of the environment.

1. The unit is ISO: 14001:2015 certified.
2. Rainwater harvesting is in place and being maintained.