



Dr. Amit Ranjan Chakraborty
Chief Environment Management

EMD/C-23/411/20
September 18th, 2020

The Member Secretary

Jharkhand State Pollution Control Board
T.A. Division Building, HEC Campus, Dhurwa
RANCHI – 834004

Subject: Environmental Statement 2019-2020 for 1290 TPD Air Separation Unit (ASU) of Tata Steel Limited, Jamshedpur

Dear Sir,

This has reference to the captioned subject. Please find enclosed the **“Environmental Statement”** for 1290 TPD Air Separation Unit (ASU) of Tata Steel Limited, Jamshedpur for the year 2019-2020 duly filled in the prescribed format is enclosed for your kind consideration.

Thanking you

Yours faithfully,
For Tata Steel Limited

Dr. Amit Ranjan Chakraborty
Chief, Environment Management

Encl: As Above

Copy to: Regional Officer, Jharkhand State Pollution Control Board,
Adityapur, Jamshedpur – 831 013

TATA STEEL LIMITED

Environment Management Jamshedpur 831 001 India
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Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com

**ENVIRONMENTAL STATEMENT
FOR THE YEAR 2019- 2020**

**1290 TPD Air Separation Unit (ASU)
TATA STEEL LIMITED**

**Submitted by:
Environment Management Department
TATA STEEL LIMITED
JAMSHEDPUR-831001
JHARKHAND**

Environmental Statement 2019-20

FORM - V

Environment Statement Report for the Year ending 31/03/2020

PART-A

I)	Name and address of the occupier	:	Mr. T. V. Narendran Managing Director Tata Steel Limited, Jamshedpur-831001 Jharkhand
II)	Industry Category Primary (SIC Code) Secondary (SIC Code)	:	Green : Not available : Not available
III)	Production capacity	:	Oxygen- 1290 TPD, Nitrogen - 455 TPD, Argon - 55 TPD
IV)	Year of establishment	:	1998
V)	Date of last environmental statement submitted.	:	First time submission through Tata Steel Limited after takeover in 2019.

PART-B
WATER & RAW MATERIAL CONSUMED

i) Water Consumption (m³/day)

Water Consumption	During the previous Financial Year (2018-19)	During the current Financial year (2019-20)
Industrial Consumption (Process & Cooling as Makeup water)	1216.65 m ³ /day	1231.27 m ³ /day
Domestic Consumption (as drinking water)	45 m ³ /day	50.21 m ³ /day

Name of the product	Process water consumption per unit of product Output	
	During the previous Financial Year (2018-19)	During the current Financial year (2019-20)
<ul style="list-style-type: none"> • GO (Gaseous Oxygen) • MPN (Medium Pressure Nitrogen) • LO (Liquid Oxygen) • HPN (High Pressure Nitrogen) • LPN (Low pressure nitrogen) • LN (Liquid Nitrogen) • LA (Liquid Argon) 	NA	Nil (Water is being used exclusively for Industrial Cooling purposes)

ii) Raw Material Consumption:

Name of Raw Material	Name of the Products	Consumption of raw material	
		2018-2019	2019-2020
		MT/Yr.	MT/Yr.
Atmospheric Air		NA	20,07,073

PART-C

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

Pollutants	Quantity of pollutants Discharged (mass/day)		Concentrations of pollutants discharged (mass / volume)		Percentage of variation from prescribed (standards with reasons.)
	kg/day		mg/L		
a) WATER	<u>2018-2019</u>	<u>2019-2020</u>	<u>2018-2019</u>	<u>2019-2020</u>	
TSS	-	Nil	-	23.7	-
Oil & Grease	-	Nil	-	1.3	-
COD	-	Nil	-	36.3	-

Ambient Air Quality (2019-20)

Parameter	Standard	UoM	Behind Admin Building			Near Cooling Tower		
			Max	Min	Avg	Max	Min	Avg
Particulate Matter, PM ₁₀	100	µg/m ³	118	78	89	106	70	90
Particulate Matter, PM _{2.5}	60	µg/m ³	53	24	36	54	20	37
Sulphur Dioxide (SO ₂)	80	µg/m ³	24	13	17	20	13	18
Nitrogen Dioxide, (NO _x)	80	µg/m ³	31	17	23	30	19	25
Carbon Monoxide(CO)	2000	µg/m ³	800	200	440	700	300	500

PART-D

HAZARDOUS WASTES

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

Hazardous Wastes	Total Quantity (Tonne/year)	
	<u>2018-19</u>	<u>2019-20</u>
Waste Oil	NA	0
Used Oil	NA	0

PART-E

SOLID WASTES

		During the Previous Financial year 2018-2019	During the current Financial year 2019-2020
a	From process		
	Any Waste Generation	NIL	NIL
b	From pollution control facilities-		Not applicable
c	Quantities recycled or reused within the unit -		Not applicable

PART - F

Characteristics of hazardous as well as solid wastes and their method of disposal:

Hazardous / Solid wastes	Characteristics	Method of disposal
NA	NA	NA

Environmental Statement 2019-20

PART - G

Impact of pollution control measures on conservation of natural resources and consequently on the cost of production.	We have grown greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
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PART - H

Additional investment proposal for environmental protection including abatement of pollution	We have implemented the Rain Water Harvesting facility.
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PART - I

Any other particulars for improving in respect of environmental protection and abatement of pollution.	The unit is ISO: 14001:2015 certified.
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