



EMD/C-23/173/22
September 23, 2022

Member Secretary

Jharkhand State Pollution Control Board
T.A. Division Building
HEC Campus, Dhurwa
RANCHI- 834 004

Subject: Submission of Environmental Statement 2021-2022 for Tata Growth Shop (Adityapur Complex) of Tata Steel Limited at Gamharia, Jamshedpur

Dear Sir,

This has reference to captioned subject that we are submitting herewith the “**Environmental Statement**” for Tata Growth Shop (Adityapur Complex) of Tata Steel Limited at Gamharia, Jamshedpur for the year 2021-2022 duly filled in the prescribed format for your kind consideration.

We trust you will find the report in order.

Thanking you

Yours faithfully,
For Tata Steel Limited

Anoop Srivastava

Anoop Srivastava
Head Environment Monitoring, Testing & Analysis (TSJ)

Enclosures as above

Copy to: Regional Officer, Jharkhand State Pollution Control Board,
Jamshedpur

**ENVIRONMENTAL STATEMENT
FOR THE YEAR 2021-2022**

**Tata Growth Shop
Adityapur Complex
Tata Steel Limited**

**Submitted by:
ENVIRONMENTAL MANAGEMENT DEPARTMENT
TATA STEEL LIMITED
JAMSHEDPUR-831001
JHARKHAND**

Environmental Statement for 2021-2022

FORM-V

Environmental Statement for the financial year ending the 31/03/2022

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 Tata Growth Shop (Adityapur Complex) Gamharia, Saraikela Kharsawan 832108 , Jharkhand
ii)	Industry Category	:	NA
	Primary (SIC Code)	:	Nil
	Secondary (SIC Code)	:	Metallurgical Machinery
iii)	Production Capacity	:	Steel Plant Equipment & Spare Capacity – 40150 MTPA Steel Plant Machinery production at Growth Shop for FY' 22: 7235 MTPA (Tata Growth Shop (TGS) is a multi-disciplinary engineering complex that designs and manufactures heavy engineering and material handling equipment including special purpose Electric Overhead Travelling Cranes.)
iv)	Year of establishment	:	1969
v)	Date of last Environmental Statement submitted	:	September 22, 2021 vide letter no. EMD/C-23/250/21

PART-B

WATER & RAW MATERIAL CONSUMPTION

i) Water Consumption, KL/day

1. Plant (Domestic)	:	288
2. Colony (Domestic)	:	772

Name of the product	Process water consumption per unit of product Output (m ³ /t of product)	
	During the Previous Financial year 2020-2021	During the Current Financial year 2021-2022
Steel Plant Machinery	16.7	14.5

ii) Raw Material Consumption: 64269 MT

Name of raw material	Name of the products	Consumption of raw material per unit of output (ton/ton of product)	
		During the Previous Financial year 2020-2021	During the Current Financial year 2021-2022
Steel Plates casting & forging	Steel Plant Machinery	5.2	8.8

PART-C

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

Pollutants	Quantity of pollutants Discharged (mass/day)		Concentrations Percentage of pollutants variation from in discharged prescribed (mass/volume) standards with reasons.		Percentage of pollution variation from in discharged prescribed (mass/volume) standards with reasons
	2020-21	2021-22	2019-20	2021-22	In %age (referring CTO)
a) WATER*	Kg/day		mg/lit		
TSS	NA	NA	22	17.4	-83%
Oil & Grease	NA	NA	4.8	1.4	-86%
COD	NA	NA	37	85.5	-66%
BOD	NA	NA	29	9.3	-69%
b) AIR	Kg/day		mg/Nm³		
PM	4.17	3.44	39.7	29.16	-81

*No process effluent is being discharged outside the premises.

Ambient Air Quality (2021-22):

Parameter	UoM	TGS Near Safety Office		
		Max.	Min.	Avg
Particulate Matter, PM ₁₀	µg/m ³	187	40	97
Particulate Matter, PM _{2.5}	µg/m ³	85	12	48
Sulphur Dioxide (SO ₂)	µg/m ³	25	2	8
Nitrogen Dioxide, (NO _x)	µg/m ³	84	10	22
Carbon Monoxide (CO)	mg/m ³	1	1	1

Environmental Statement for 2021-2022

PART-D

HAZARDOUS WASTES

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

	Hazardous Waste	Total Quantity (Kg)	
		During the Previous Financial year 2020-2021	During the Current Financial year 2021-2022
a)	From process: - Used oil	53.13 KL	58.59 KL
b)	From Pollution Facilities.	Nil	Nil

PART-E

Solid Waste

		During the Previous Financial year 2020-2021	During the Current Financial year 2021-2022
a	From process		
	Steel Scrap	5311.08 MT	6950.18 MT
b	From pollution control facilities-		Not Applicable
c1	Quantities recycled or reused within the unit -		Not Applicable
c2	sold-		
	Steel Scrap	5316.13 MT	7065.15 MT
c3	Disposed -		Not applicable

Environmental Statement for 2021-2022

PART-F

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

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

Hazardous / Solid wastes	Characteristics	Method of disposal
Steel Scrap (Solid Waste)	Ferrous	Auctioned to outside parties to reuse.
Used Oil	Oily	Sent to registered recyclers.

PART-G

Impact of pollution control measures taken on conservation of natural resources and cost of product	<ul style="list-style-type: none">• Settling tank is constructed and in operation to catch oil and TSS from Canteen wastewater.• Oil Removal plates are installed at Water discharge point from Plant.• No runoff oil is allowed to mix in surface water and mix water
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PART-H

Additional measures/investment proposal Environmental Protection including abatement of pollution prevention of pollution	CAAQMS is installed and working effectively inside the campus.
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PART-I

Particular for improving the quality of Environment	Green patch is developed in significant area inside plant.
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