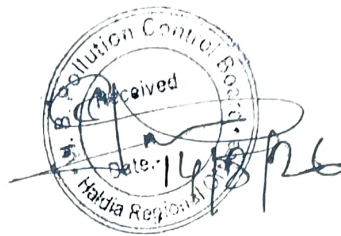




To
The Environmental Engineer & Regional In-charge
West Bengal Pollution Control Board, Regional Office,
P.S: Bhabanipur, Raghunathchak,
PO: Barghasipur, Haldia,
Dist-Purba Medinipur, Pin-721657

Letter No. – Brgs/EMD/010/26

Date -



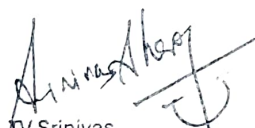
Sub: Submission of Environmental Statement in FORM V for the year 2025-2026

Dear Sir,

Please find enclosed herewith the following Form 5 (Environment Statement for the financial year ending on 31st March 2025) of M/S Tata Steel Ltd, Bearings Division, Kharagpur for the period between 01.04.2025 to 31.03.2026 for your kind perusal.

Thanks & regards,

For Tata Steel Limited, Bearings Division


TV Srinivas
EIC – Bearings Division
Tata Steel Ltd.
Kharagpur

Encl. Form 5

Copy to: Chief Engineer (O&E), West Bengal Pollution Control Board, Paribesh Bhawan, Kolkata 700106

TATA STEEL LIMITED

Kharagpur 721301 India

Tel 91 3222 233317 Fax 91 3222 233353

Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India

Tel 91 22 66658282 Fax 91 22 66657724

Corporate Identity Number L27100MH1907PLC000260 Website www.tatasteel.com



Reference No.	Tracking No.	Origin	Destination	Booked On	Delivered on
1210346636553	K1001299210	KHARAGPUR, 721305	KOLKATA, 700106	Fri, 07th Aug 26 5:27 PM	Mon, 10th Aug 26 1:33 PM



To
The Environmental Engineer & Regional In-charge
West Bengal Pollution Control Board, Regional Office,
P.S: Bhabanipur, Raghunathchak,
PO: Barghasipur, Haldia,
Dist-Purba Medinipur, Pin-721657

Letter No. – Brgs/EMD/010/26

Date - 7/8/26

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TV Srinivas
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FORM V
(See Rule 14)

Environmental Statement for the financial year ending on 31st March 2026.

PART - A

Name and address of the Owner/Occupier of the industry, operation, or process	Mr. TV Narendran M/s Tata Steel Ltd, Bearings Division, Sadatpur, P.O:- Rakhajungle, PS: Kharagpur (Local), Paschim Medinipur-721301
Industry category	Red
Production capacity	- Ball Bearings and Taper Roller Bearings - 3750000 Numbers/Month. 42272890 units of Ball Bearings and Taper Roller Bearings produced between 01.04.2025 & 31.03.2026 3522740 numbers /month
Year of Establishment	September 1979
Date of the last environmental Statement Submitted	12 th September 2025

ART - B

Water and Raw Materials Consumption		
	During the previous Financial Year (2024-25)	During the Financial Year (2025-26)
Water consumption (annual avg.)		
Process Water (KL/day)	33.03	28.36
Municipal Water (KL/day)	61.01	55.04

Process Water Consumption per unit of product (cubic meter/number)		
Type of Product	Process Water Consumption per unit of product (cubic meter/number)	
	Previous Year (2024-25)	Current Year (2025-26)
Ball Bearings & Taper Roller Bearings of different size	0.00095 cubic meter / number	0.00072 cubic meter /number

Raw Material Consumption			
Raw material	Name of Product	Consumption of Raw Material per unit of Output Average (gms. /number)	
		During Previous Financial Year (2024-25)	During Current financial Year (2025-26)
	Ball Bearings & Taper Roller bearings of different size	64.3	57.98
		34.2	27.36
EAL		0.5	0.45
		4.2	3.82
BUILD		0.1	0.05
		11.4	10.12
		5.7	5.33
		0.8	0.80

PART – C				
Pollution discharged to Environment/ unit of output. (Parameters as Specified in the Consent issued)				
Water Pollution				
Pollutant Parameters	Prescribed Standard (mg/l)	Concentration of pollutants discharge (mg/l)	Percentage variation from prescribed standards with reasons	
er (ETP Outlet Water)				
1. BOD	1. 30	1. 10.0	1. Less by 67%	
2. COD	2. 250	2. 36.0	2. Less by 86%	
3. TSS	3. 100	3. 42.0	3. Less by 58%	
4. pH	4. 5.5 – 9.0	4. 7.18	4. Within Range	
5. O&G	5. 10	5. < 4.0	5. Within Range	
ter discharge = o Discharge SS- 0 kgs oil & grease- 0 kgs				

: Air Pollution				
AIR POLLUTION : STACK EMISSIONS	PM Prescribed Standard (mg/Nm ³)	PM (mg/nm3)	% Variation from standards	PM (kg/day)
DG Set 860 KVA	150	61	Less by 59%	0.05
DG Set 860 KVA	150	60	Less by 60%	0.00
DG Set 1720 KVA (Left Side)	150	69	Less by 46%	0.05
DG Set 1720 KVA (Right Side)	150	71	Less by 52%	0.05
Induction Furnace Tampering Zone	150	14	Less by 90%	0.14
Induction Furnace Hardening Zone	150	12	Less by 92%	0.12

PART – D

HAZARDOUS WASTE

(As specified under Hazardous Water management and Handling Rules 1989)

Hazardous Waste	Total Quantity (Kilo Liters) / (MT)	
	During the Previous financial year (FY 25)	During the Current financial year (FY 26)
From Process		
oil	6.51 Ton	3.33 Ton
soaked Jute / cotton waste	19.5 Ton	13.27 Ton

Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	2.88 Ton	10.91 Ton
Sludge From Pollution Control Facility (Solid muck from ETP/STP)	0	26.9 Ton

PART – E

SOLID WASTE

Description	Total Quantity (Generated)	
	During the Previous financial year (FY 25)	During the Current financial year (FY 26)
E1. From Process		
Grinding Swarf / Muck	125.16 MT	209.70 MT
Iron Chips	0.61 MT	0.40 MT
E2. From Pollution Control Facility		
STP sludge (From dry bed of STP)	0	26.9 MT
E3.(1) Quantity recycled or reutilized within the units	0	0
E3.(2) Sold	Iron Chips -0.61 MT	Iron Chips -0.40 MT
	M.S Scrap -47.85 MT	M.S Scrap -27.40 MT
	Hard Bearings components- 52.53 MT	Hard Bearings components- 47.33 MT
	Electrical scrap - 0.594 MT	Electrical scrap – 3.42 MT
	Scrap Wood – 77.93 MT	Scrap Wood – 83.42 MT
	Used Cardboard Box-48.20 MT	Used Cardboard Box-54.20 MT
	Scrap (Plastic/Rubber)-20.24 MT	Scrap (Plastic/Rubber)-22.72 MT
	Rejected Rubber seal - 0.23 MT	Rejected Rubber seal - 0.25 MT
	Used grinding wheels – 5.73 MT	Used grinding wheels – 3.89 MT
E3. (3) Disposed	Grinding Swarf – 125.16 MT	Grinding Swarf – 209.70 MT
	Canteen Waste - 4.3 MT	Canteen Waste – 1.4 MT

PART – F

Please specify the characteristics in terms of composition and quantum hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

F-1: Hazardous Wastes

Description	Composition / Nature of Waste	Disposal Method
1. Used oil	Hazardous	Sell off to WBPCB Authorized vendors
2. Oil Soaked cotton jute / waste	pH7.21, Oil Grease 3.58%, Cyanide <1.00, Chromium 870.39 mg/kg, Cu 60.83 mg/kg, Lead 54.74 mg/kg, / Hazardous	Disposed off Through CHW -TSDF
3. Empty barrels/containers/with hazardous chemicals /wastes	Hazardous	Sell off to WBPCB Authorized vendors
4. ETP / STP Sludge	pH6.75, Oil Grease < 2%, Chromium < 1mg/kg, Cu < 1 mg/kg, Lead < 1 mg/kg, Zn < 1 mg/kg, Nickel < 1 mg/kg/Hazardous	Disposed off Through CHW -TSDF

Disposal practice of solid waste

The solid Non-Hazardous waste generated from process has been sold to authorized vendors for processing. We have proper arrangements for storage of hazardous waste. Covered shed with concrete floor, all round drain and catch pit has been provided for safe storage before disposal to authorized recyclers.

PART – G

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

Various improvement project taken under TPM, ISO-9001:2015, ISO 14001:2015, ISO 45001:2018 , ASPIRE for yield improvement , reduction of electricity consumption, water consumption ,oil consumption & safe working zone etc.

Power Savings Initiatives	KPI	FY'26 RESULTS
Contain power cost through reduction in power consumption – 1. Replacement of re-winded motors and right sizing of motors by energy efficient motors 2. Upgradation of control of Grinding machines.	Power Consumption reduction in KWH	47143 KWH

The treated water from E.T.P. is profitably used in watering of adjacent land.

Water savings to the extent of 20 m3/ month by –

1. Replacing all the Screw type Water tap to push type.
2. Rectification of under ground water leakage near plant and Water Treatment Plant area.
3. 3 no's of float valve was replaced on over had tank which had continues leakage.

PART-H

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

All the drains are being cleaned regularly. This division of TATA STEEL has been registered with m/s W.B.W.M.L, Haldia for disposal & treatment of hazardous waste generated during manufacturing process. All bio medical wastes generated in our dispensary disposed within 48hrs for treatment at m/s W.B.W.M.L, Haldia.

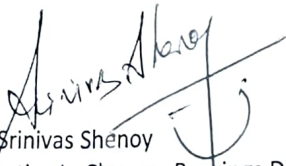
We are testing all the stack , ambient air, oil mist level, ventilation , illumination , Bio assay & Chloride test of E.T.P treated Water , Noise level of different location to avoid abnormalities in process. The monitoring report attached as Annexure 1.

To maintain E.T.P process we are testing final discharged water regularly on monthly basis. We conduct medical tests of all employees and provide necessary medical treatment as per requirement.

PART -I

Plantation - About 100 saplings were planted near to the housing complex and in few schools in the surrounding community.

World Environment Day & Awareness campaigns - We organize a weeklong event to celebrate World Environment Day through which we create a lot of awareness among employees and visitors on the importance of protecting our environment, considering the current global and local environmental issues.



T.V. Srinivas Shenoy
Executive In Charge - Bearings Division
Tata Steel Ltd.
Kharagpur