



Ref. No: TSG/EMD/ES/FY'26

25.08.2026

To,
The Member Secretary,
Jharkhand State Pollution Control Board,
Town Administration Building,
HEC Campus, PO - Dhurwa
Ranchi - 834004 (Jharkhand)

Subject: Submission of Environmental Statement report for the financial year 2025-26 for Main Plant - 1, Main Plant - 2, Oxygen Plant, SBWM - 1 & 2 of Tata Steel Limited, Gamharia, located at Adityapur Industrial Area, PO. - Gamharia, District - Saraikela - Kharsawan

Ref: CTO vide letter no:

1. JSPCB/HO/RNC/CTO-23905115/2026/316 dated 23-03-2026
2. JSPCB/HO/RNC/CTO-22947967/2025/2950 dated 26-12-2025
3. JSPCB/HO/RNC/CTO-18478214/2024/810 dated 07-05-2024
4. JSPCB/HO/RNC/CTO-23973116/2026/932 dated 25-06-2026
5. JSPCB/HO/RNC/CTO-18235930/2024/623 dated 05-04-2024

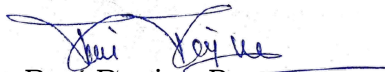
Sir,

This has reference to above captioned subject and cited reference. We are herewith submitting Environmental Statement Report for the financial year 2025-26 in form-V as a part of compliances to the conditions of the above-mentioned consent to operate letter.

This is for your information and necessary records please.

Thanking you,

For Tata Steel Limited, Gamharia


Ravi Ranjan Prasoon
Head - Environment

Encl: Form-V duly filled and signed.

Cc: 1. The Regional Officer, JSPCB, Jamshedpur
2. The Regional Officer, MoEF & CC, Ranchi

TATA STEEL LIMITED

Tata Steel Gamharia Seraikela Kharsawan Jamshedpur 832 108 India
Tel 065771 02349

Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India
Tel 91 22 6665 8282 Website www.tatasteel.com
Corporate Identity Number L27100MH1907PLC000260

Environment Audit Statement
FORM – V
(See rule 14 of The Environment Protection Act, 1986)
Environmental Audit Report for the financial year ending the 31st March 2026.

PART – A		
General Information		
1.	Name & Address of the owner/occupier of the industry, operation or process	TV Narendran CEO & MD Tata Steel Limited, Gamharia (Main Plant-1 & Main Plant-2) Adityapur Industrial Area, Dist: Saraikela-Kharsawan, Jharkhand- 831001
2.	Industry Category Primary (STC Code), Secondary (STC Code)	Red
3.	Production capacity-Units	Installed capacity - Integrated Steel Plant- 1.2 MTPA
4.	Year of establishment	1974 and 2004
5.	Date of last statement	05.09.2025

PART – B		
Water & Raw material Consumption		
B-1 : Total Water Consumption (m³/d)		
	Total Water Consumption (m³/d)	
Category	During the current financial year	
Process (m³/d)	610	
Cooling (m³/d)	13421	
Domestic (m³/d)	406	
B-2 : Water Consumption per unit of the product (m³/MT)		
Name of the Products	Process Water Consumption per unit of product (m³/MT)	
	During the previous financial year	During the current financial year
1. Crude Steel	1.268	1.210
2. Hot Metal	0.801	0.748
3. Wire Rod & RCS	1.085	1.070
4. DRI	0.721	0.635
5. Power	3.83 KL/MWH	4.28 KL/MWH
6. Sinter	0.103	0.035
7. Pellet	Majorly treated water from ETP and partially (0.071) fresh water is being used	Majorly treated water from ETP and partially (0.094) fresh water is being used
8. Coke	Nil. (No fresh water. Only treated water from ETP is being used)	Nil. (No fresh water. Only treated water from ETP is being used)
B-3 : Raw Material Consumption		
Name of Raw materials	Name of Products	Raw material Consumption per unit of product (MT/MT)

		During the previous financial year	During the current financial year
1. MBF	Hot Metal		
Iron Ore (Lump)		0.367	0.377
Sinter		1.054	1.090
Quartzite		0.038	0.025
Coke (Net and Nut coke)		0.491	0.486
PCI Coal		0.095	0.098
Pellet		0.192	0.097
2. SMS	Crude steel		
Hot metal /Pig Iron		0.770	0.741
Sponge Iron		0.378	0.362
3.WRM	Wire Rod		
Billet		1.026	1.027
4. Blooming Mill	Bloom		
Billet/Bloom		1.040	1.032
5. DRI	DRI		
Iron Ore		1.649	1.555
Coal		0.805	0.776
Pellet		0.015	0.041
6. Sinter	Sinter		
Iron Ore Fines		0.844	0.886
Coke Fines		0.080	0.023
Coal		Nil	Nil
Limestone		0.107	0.127
Burnt Lime		0.029	0.032
Crude Dolomite		0.128	0.072
7.Captive Power Plant	Electricity		
Coal		0.822	0.402
8. Pellet Plant	Pellet		
Iron Ore		1.079	1.057
Coal		0.042	0.042
Limestone		0.020	0.018
Bentonite		0.007	0.043
9. Coke Oven Plant	Coke		
Coking Coal		1.466	1.397
PCI		Nil	Nil

PART – C					
Pollution discharged to Environment per unit of Output					
(Parameters as specified in the Consent issued)					
C-1 : Water Pollution					
S.N.	Pollutant Parameter	Prescribed Standard	Quantity discharge (Kg/day)	Concentration discharge (mg/l)	Percentage of variation from prescribed standards with reasons
		Nil	Nil		
It is to be noted that Zero Effluent Discharge (ZED) is maintained except rainy season. We have achieved Zero Effluent Discharge (ZED) by installing ETP (7200 KLD) / STP (250 KLD) for proper treatment of effluent and complete recycling back to process for reuse.					

C-2 : Air Pollution						
SN.	Pollutant Parameter	Stack No. / Name	Quantity discharge (kg/day)	Concentration discharge (mg/Nm3)	Percentage (%) of variation from prescribed standards with reasons	
1	Stack emission (Particulate matter)	WHRB - 1 & 40 TPH	131.65	40.0	-60.0	The result is negative, it means the measured value is within the prescribed standard.
2		WHRB - 2 & 3 (DRI-2&3)	115.44	31.3	-68.7	
3		WHRB - 4 & 5 (DRI-4&5)	117.05	30.6	-69.4	
4		CPP 25 MW Stack	270.34	68.2	-31.8	
5		CPP 30 MW Stack	139.33	26.3	-73.7	
6		Coke Oven WHRB - 1	56.95	19.9	-80.1	
7		Coke Oven WHRB - 2	55.57	19.5	-80.5	
8		Coke Oven Coke Route	59.49	19.4	-80.6	
9		MBF_1 Stoves	19.88	16.1	-83.9	
10		MBF_1 Cast House	26.80	19.6	-80.4	
11		MBF_1 Ground Hopper	12.32	19.0	-81.0	
12		MBF_1 Stock House	11.28	18.6	-81.4	
13		MBF_2 Stoves	26.21	16.9	-83.1	
14		MBF_2 Cast House	67.70	17.9	-82.1	
15		MBF_2 PCI Stack	11.54	18.1	-81.9	
16		MBF_2 Stock House	37.37	17.5	-82.5	
17		MBF_2 RMHS	20.27	19.5	-80.5	
18		MBF_2 RMHS-1	32.98	22.0	-78.0	
19		SMS - 1 & 2 FES	185.11	19.6	-80.4	
20		SMS – 3 FES	213.67	22.7	-77.3	
21		SMS-3 RMHS	117.13	18.3	-81.7	
22		Pellet Plant Kiln	252.03	20.0	-80.0	
23		BM_Reheating Furnace	30.99	27.0	-73.0	
24		WRM_Reheating Furnace	14.59	22.3	-77.7	
25		Sinter Process	683.11	56.1	-43.9	
26		Sinter Tail	168.08	25.9	-74.1	
27		Sinter Product House	70.67	42.3	-57.7	

PART – D		
Hazardous Wastes		
(As specified under The Hazardous Waste Management, Handling & Transboundary Movement Rules, 2016)		
D-1 : Generation from Process		
Name	Total Quantity (MT/KL)	
	During the previous financial year	During the current financial year
Wastes or residues containing oil (Schedule – I; Cat.: 5.2)	28.28 MT	25.9 MT
Discarded asbestos (Schedule – I; Cat.: 15.2)	Nil	Nil
Process wastes, residues and sludges (Discarded Paint) (Schedule – I; Cat.: 21.1)	Nil	Nil
Spent solvents (Schedule – I; Cat.: 21.2)	Nil	Nil
Empty barrels/containers/liners contaminated with hazardous chemicals / wastes (Schedule – I; Cat. : 33.1)	15.2 MT	25 MT
Contaminated cotton rags or other cleaning materials (Schedule – I; Cat.: 33.2)	26.94 MT	29.5 MT
Exhaust Air or Gas cleaning residue	15396.8 MT	24426.6 MT

(Schedule – I; Cat.: 35.1)		
Chromium sludge from cooling water (Schedule – I; Cat.: 35.5)	Nil	Nil
Spent ion exchange resin containing toxic metals (Schedule – I; Cat. : 35.2)	Nil	Nil
Used Glass Wool or insulation Material (Schedule – II; Class: C)	21.04 MT	71 MT
Waste Chemicals (Schedule – II; Class: C)	Nil	Nil
Insulated copper wire scrap or copper with pvc sheathing (Schedule – II; Class: C)	Nil	Nil
Used Spent oil (Schedule – I; Cat.: 5.1)	88.24 MT	26.23 MT
Organic residues (Schedule: 1; Category: 1.4)	Nil	179.7 MT
Tar storage tank residue (Schedule: 1; Category: 13.5)	Nil	Nil
Chemical sludge from wastewater treatment (Schedule: 1; Category: 35.3)	Nil	180 MT
Chromium sludge from cooling water (Schedule: 1; Category: 35.5)	Nil	Nil
D-2 : Generation from Pollution Control Facilities		
Name	Total Quantity	
	During the previous financial year	During the current financial year
-	Nil	Nil

PART – E		
Solid Wastes		
E-1 : Generation from Process		
Name	Total Quantity (MT)	
	During the previous financial year	During the current financial year
1. Granulated BF Slag	214385	219296
2. Mills Scale	6572	8376
3. Electric Arc Furnace Slag	174844	182557
4. Char (DRI)	89133	92800
5. Wet Scrapper Sludge (DRI)	11125	10423
6. Bed Ash	19573	20048
7. Producer Gas Ash	3311	2383
E-2 : Generation from Pollution Control Facilities		
Name	Total Quantity (MT)	
	During the previous financial year	During the current financial year
1. Air Pollution Control Device dust/residue of SMS	8867	13466
2. Flue Dust from MBF	6530	10961
3. Fly Ash	123082	127164
4. WHRB Ash	122533	118686
5. DRI DE Dust	25095	20034
E-3: Quantity Recycled / Reutilized /sold		
Name	Total Quantity (MT)	
	During the previous financial year	During the current financial year
1. Air Pollution Control Device dust/residue of SMS	7999	11587

2. Flue Dust from MBF	7147	10790
3. Char DRI	88727	93807
4. Fly Ash	180474	105956
5. Bed Ash	19438	20007
6. DRI DE Dust	22844	20631
7. Electric Arc Furnace Slag	244905	201499
8. Granulated BF Slag	215347	218427
9. Producer Gas Ash	3708	2384
10. Wet Scraper Sludge (DRI)	9982	11509
11. WHRB - Ash	121719	118610
12. Mill Scale	7806	11553

Reutilized and reuse, sold and disposal: Dust from the FES of SMS and the GCP of MBF is utilized in sinter making at the sinter plant. Char is partly sold to an external party and partly used in the power plant. Fly ash and bed ash are primarily used in brick making, cement manufacturing, and land development activities. Mill scale is also partially utilized in the sinter plant. Metallics recovered from SMS slag are recycled within the SMS, while non-metallic slag is used for land development and road construction. Granulated slag generated from the BF is fully utilized in cement manufacturing. PG ash and WHRB ash are used in land development processes.

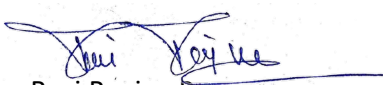
PART – F		
Please specify the characterizations (in terms of composition in quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes		
F-1: Hazardous Wastes		
Description	Composition	Method of disposal
Wastes or residues containing oil (Schedule – I; Cat.: 5.2)	Polycyclic aromatic hydrocarbon	Recycled or reprocessed through authorized recycler approved by JSPCB.
Discarded asbestos (Schedule – I; Cat.: 15.2)	Chrysotile / Amosite / Crocidolite asbestos fibres	Common Landfill TSDF
Process wastes, residues, and sludges (Discarded Paint) (Schedule – I; Cat.: 21.1)	Organic resins, pigments, solvents, heavy metals such as Pb, Cr, Cd, Zn	Recycled or reprocessed through authorized recycler approved by JSPCB / Common Landfill TSDF
Spent solvents (Schedule – I; Cat.: 21.2)	Organic solvents such as toluene, xylene, acetone	Recycled or reprocessed through authorized recycler approved by JSPCB / Common Landfill TSDF
Empty barrels/containers/liners contaminated with hazardous chemicals / wastes (Schedule – I; Cat. : 33.1)	Polycyclic aromatic hydrocarbon	Recycled or reprocessed through authorized recycler approved by JSPCB
Contaminated cotton rags or other cleaning materials (Schedule – I; Cat.: 33.2)	Polycyclic aromatic hydrocarbon	Incineration Captive
Exhaust Air or Gas cleaning residue (Schedule – I; Cat.: 35.1)	Heavy metals such as Cr, Ni, Pb, Zn etc.	Recovery and Reuse Captive
Chromium sludge from cooling water (Schedule – I; Cat.: 35.5)	Chromium compounds as Cr(OH) ₃ and Cr ₂ O ₃	Common Landfill TSDF
Spent ion exchange resin containing toxic metals (Schedule – I; Cat. : 35.2)	Polymer resin matrix, adsorbed metals such as Cr, Ni, Cu, Zn, Pb	Incineration through authorized agency
Used Glass Wool or insulation Material (Schedule – II; Class: C)	Binder resin	Common Landfill TSDF

Waste Chemicals (Schedule – II; Class: C)	Oxidizers or toxic constituents	Incineration through authorized agency
Insulated copper wire scrap or copper with pvc sheathing (Schedule – II; Class: C)	PVC insulation	Send to JSPCB Authorized Recycler or agency
Used Spent oil (Schedule – I; Cat.: 5.1)	Polycyclic aromatic hydrocarbon (PAH)	Recycled or reprocessed through authorized recycler approved by JSPCB
Organic residues (Schedule: 1; Category: 1.4)	Organic hydrocarbons, tar fractions, phenolics, polymers	Recycled or reprocessed through authorized recycler approved by JSPCB / Common Landfill TSDF
Tar storage tank residue (Schedule: 1; Category: 13.5)	Organic hydrocarbons, tar fractions, phenolics, PAHs	Recycled or reprocessed through authorized recycler approved by JSPCB
Chemical sludge from wastewater treatment (Schedule: 1; Category: 35.3)	Metal hydroxides, gypsum/lime, silica	Recovery or reuse through authorized agency / Common Landfill TSDF
Chromium sludge from cooling water (Schedule: 1; Category: 35.5)	Chromium hydroxide/oxide	Common Landfill TSDF
F-2 : Solid Wastes		
Description	Composition	Method of disposal
Air Pollution Control Device dust/residue of SMS	Fe, SiO ₂ , Al ₂ O ₃ , CaO, MgO	In-house utilization in sinter making
Flue Dust from MBF	FeO, Fe, CaO, SiO ₂	In-house utilization in sinter making
Char DRI	Ash (SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO), Volatile Matter, Fixed Carbon	Sold outside, used in captive power plant
Fly Ash	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO	Used in Brick making and cement manufacturing process and low land development
Bed Ash		Filling of lowland area
WHRB Ash		
DRI DE Dust	CaO, SiO ₂	Sold to the outside vendor
Electric Arc Furnace Slag	FeO, Fe, CaO, SiO ₂	Metallics recovered from slag are recycled within the SMS, while non-metallic slag is used for land development and road construction.
Granulated Slag of MBF	CaO, SiO ₂ , Al ₂ O ₃ , MgO	Sold to outside vendor for Cement Making Processes
Producer Gas Ash	Fixed Carbon	Filling of lowland area
Wet Scrapper Sludge (DRI)	Fixed Carbon, Fe	Sold to the outside vendor
Mill Scale of Mills	Mostly Fe (t)	In-house utilization in sinter making

PART – G	
Impact of pollution control measure taken on conservation of natural resources and cost of production	
1.	Pollution control equipment like Bag filters, gas cleaning plants at MBF have been installed to control emissions. Generated Flue dusts are reused at sinter plant for sinter making.
2.	Separate Fume extraction system (FES) are provided at SMS 1,2 and 3. Collected FES dusts are reused at sinter plant.
3.	Water flow meters have been installed to monitor water consumption.
4.	ESP is provided at waste heat recovery boiler of DRI for control of particulate emission.
5.	ESP is provided at coal based CPP for control of particulate emission.
6.	ESP and bag filters are provided at sinter plant and pellet plant to collect dusts which are reused in the process.
7.	Treatment of Industrial wastewater in the effluent treatment plant (ETP) and recycling the treated effluent back into process cooling, slag cooling, dust suppression, green belt development etc.
8.	Installation of online CAAQMS, CEMS and EQMS for monitoring of ambient air, stack emission and treated effluent and their Data transmission to statutory bodies on real time basis.

PART – H	
Additional measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution	
Several projects were undertaken during last year under operating and CAPEX budgets of various departments. Major activities included the refurbishment of air pollution control systems and installation of new Air Pollution Control Devices (APCDs) to reduce fugitive emissions. The key initiatives undertaken for fugitive emission control are as follows:	
1.	Installation of mist cannons at SMS-3 Refractory Area and CPP for controlling fugitive emissions during ash loading operations.
2.	Installation of new bag filters in raw material circuit area of SMS-3.
3.	Plantation of 3,091 saplings of various species to enhance green cover and improve environmental sustainability.
4.	Installation of a Wheel Washing System at the 30 MW Unit-2 to minimize dust generation and prevent carryover of particulate matter outside the plant premises.

PART – I	
Any other particulars undertaken for improving the quality of environment	
Celebration of Tata Sustainable month and different campaign for creating awareness among employees.	


 Ravi Ranjan Prasoon
 Head - Environment
 For Tata Steel Limited, Gamharia

Environment Audit Statement

FORM – V

(See rule 14 of The Environment Protection Act, 1986)

Environmental Audit Report for the financial year ending the 31st March 2026.

PART – A		
General Information		
1.	Name & Address of the owner/occupier of the industry, operation or process	TV Narendran CEO & MD Tata Steel Limited, Gamharia (Oxygen Plant) Adityapur Industrial Area, Dist: Saraikela- Kharsawan, Jharkhand- 831001
2.	Industry Category Primary (STC Code), Secondary (STC Code)	Green
3.	Production capacity-Units	Installed capacity- Oxygen Plant- 220 TPD
4.	Year of establishment	2008
5.	Date of last statement	05.09.2025

PART – B			
Water & Raw material Consumption			
B-1 : Total Water Consumption (m³/d)			
	Total Water Consumption (m³/d)		
Category	During the current financial year		
Process (m³/d)	10		
Cooling (m³/d)	70		
Domestic(m³/d)	7		
B-2 : Water Consumption per unit of the product (m³/MT)			
Name of the Products	Process Water Consumption per unit of product (m³/MT)		
	During the previous financial year	During the current financial year	
1. Oxygen (Gaseous and Liquid)	0.39	0.30	
B-3 : Raw Material Consumption			
Name of Raw materials	Name of Products	Raw material Consumption per unit of product (MT/MT)	
		During the previous financial year	During the current financial year
1. Oxygen Plant			
Air	Oxygen	5.0	5.0

PART – C				
Pollution discharged to Environment per unit of Output (Parameters as specified in the Consent issued)				
C-1 : Water Pollution				
Pollutant Parameter	Prescribed Standard	Quantity discharge (kg/d)	Concentration discharge (mg/l)	Percentage of variation from prescribed standards with reasons
-	-	Nil	Nil	-
It is to be noted that Zero Effluent Discharge (ZED) is maintained.				
C-2 : Air Pollution				
Pollutant Parameter	Stack No. / Name	Quantity discharge (kg/day)	Concentration discharge (mg/Nm ³)	Percentage of variation from prescribed standards with reasons
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

PART – D		
Hazardous Wastes (As specified under The Hazardous Waste Management, Handling & Transboundary Movement Rules, 2016)		
D-1 : Generation from Process		
Name	Total Quantity (MT/KL)	
	During the previous financial year	During the current financial year
Used Oil/ Spent Oil (Schedule – 1; Cat. – 5.1)	Nil	2.66 MT
Wastes / residues containing oil (Schedule – 1; Cat. - 5.2)	Nil	Nil
Tar storage tank Residue (Schedule – 1; Cat. - 13.5)	Nil	Nil
Process wastes, residues & sludges (Schedule – 1; Cat. - 21.1)	Nil	Nil
Discarded containers / barrels / liners contaminated with hazardous wastes / chemicals (Schedule – 1; Cat. - 33.1)	Nil	Nil
Spent ion exchange resin containing toxic metal (Schedule – 1; Cat. - 35.2)	Nil	Nil
D-2 : Generation from Pollution Control Facilities		
Name	Total Quantity	
	During the previous financial year	During the current financial year
-	Nil	Nil

PART – E		
Solid Wastes		
E-1 : Generation from Process		
Name	Total Quantity (MT)	
	During the previous	During the current

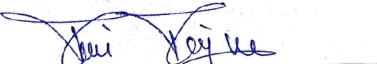
	financial year	financial year
Not Applicable	Not Applicable	Not Applicable
E-2 : Generation from Pollution Control Facilities		
Name	Total Quantity (MT)	
	During the previous financial year	During the current financial year
Not Applicable	Not Applicable	Not Applicable
E-3 : Quantity Recycled/Reutilized /sold		
Name	Total Quantity (MT)	
	During the previous financial year	During the current financial year
Not Applicable	Not Applicable	Not Applicable

PART – F		
Please specify the characterizations (in terms of composition in quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both this categories of wastes		
F-1: Hazardous Wastes		
Description	Composition	Method of disposal
Used Oil / Waste Oil	Polycyclic aromatic hydrocarbon	Disposal to Authorized Recycler approved by JSPCB
F-2: Solid Wastes		
Description	Composition	Method of disposal
Not Applicable	Not Applicable	Not Applicable

PART – G
Impact of pollution control measure taken on conservation of natural resources and cost of production
Oxygen plant is a non-polluting unit in which Oxygen is separated from atmospheric air

PART – H
Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution
No significant pollution from Oxygen plant

PART – I
Any other particulars undertaken for improving the quality of environment
None



Ravi Ranjan Prasoon
Head - Environment

For Tata Steel Limited, Gamharia

Environment Audit Statement
FORM – V
(See rule 14 of The Environment Protection Act, 1986)
Environmental Audit Report for the financial year ending the 31st March 2026.

PART – A		
General Information		
1.	Name & Address of the owner/occupier of the industry, operation or process	TV Narendran CEO & MD Tata Steel Limited, Gamharia Straight Bar & Wire Mill Division, Unit-1 Phase-IV, Adityapur industrial Area, Gamharia, Dist- Saraikela Kharsawan, Jharkhand, India
2.	Industry Category Primary (STC Code), Secondary (STC Code)	Orange
3.	Production capacity-Units	SBWM – I : 425 MT/Day &
4.	Year of establishment	SBWM – I : 1978
5.	Date of last statement	05.09.2025

PART – B			
Water & Raw material Consumption			
B-1 : Total Water Consumption (m³/d)			
	Total Water Consumption (m³/d)		
Category	During the current financial year		
Process (m³/d)	1		
Cooling (m³/d)	3		
Domestic (m³/d)	1		
B-2 : Water Consumption per unit of the product (m³/MT)			
Name of the Products	Process Water Consumption per unit of product (m³/MT)		
	During the previous financial year	During the current financial year	
Straight Bar of SBWM – 1	0.127	0.028	
B-3 : Raw Material Consumption			
Name of Raw materials	Name of Products	Raw material Consumption per unit of product (MT/MT)	
		During the previous financial year	During the current financial year
Billet for SBWM – 1	Straight Bar	1.04	1.04

PART – C				
Pollution discharged to Environment per unit of Output				
(Parameters as specified in the Consent issued)				
C-1 : Water Pollution				
Pollutant Parameter	Quantity discharge	Concentration discharge (mg/l)	Percentage of variation from prescribed standards with reasons	
	(kg/d)			
-	Nil	Nil	-	
It is to be noted that since we are maintaining Zero Effluent Discharge (ZED) of hence the above discharge load is also zero.				
Pollutant Parameter	Quantity discharge	Concentration discharge (mg/Nm³)	Percentage of variation from prescribed standards with reasons	
	(kg/d)			
Stack emission	17.24	21.7	-78.3	The result is negative, it means the measured value is within the prescribed standard.

PART – D		
Hazardous Wastes		
(As specified under The Hazardous Waste Management, Handling & Transboundary Movement Rules, 2016)		
D-1 : Generation from Process		
Name	Total Quantity (MT/KL)	
	During the previous financial year	During the current financial year
Used Oil / Spent Oil (Schedule – 1; Cat. - 5.1)	1.38 MT	Nil
Waste cutting oils (Schedule – 1; Cat. - 5.3)	Nil	Nil
D-2 : Generation from Pollution Control Facilities		
Name	Total Quantity (MT/KL)	
	During the previous financial year	During the current financial year
-	N/A	N/A

PART – E		
Solid Wastes		
E-1 : Generation from Process		
Name	Total Quantity (MT)	
	During the previous financial year	During the current financial year

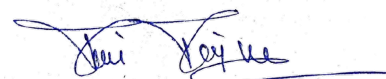
Mill Scale	1911	1224
Reutilized and reuse, sold and disposal: Mill scale is being used in-house at sinter plant and partially sold to outside vendors.		

PART – F		
Please specify the characterizations (in terms of composition in quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both this categories of wastes		
F-1 : Hazardous Wastes		
Description	Composition	Method of disposal
Used Oil / Spent Oil (Schedule – 1; Cat. - 5.1)	Poly aromatic hydrocarbon	Recycled or reprocessed through authorized recycler approved by JSPCB.
Waste cutting oils (Schedule – 1; Cat. - 5.3)	Poly aromatic hydrocarbon	Disposal to Authorized Recycler approved by JSPCB

PART – G
Impact of pollution control measure taken on conservation of natural resources and cost of production
Water sprinkles are installed to control the fugitive emission during vehicle movement

PART – H
Additional measures/investment proposal (future plan) for environmental protection including abatement of pollution, prevention of pollution
None

PART – I
Any other particulars undertaken for improving the quality of environment
Enhancing green coverage by creating gardens and undertaking mass tree plantation in and around the plant.



Ravi Ranjan Prasoon
Head - Environment

For Tata Steel Limited, Gamharia

Environment Audit Statement
FORM – V
(See rule 14 of The Environment Protection Act, 1986)
Environmental Audit Report for the financial year ending the 31st March 2026.

PART – A		
General Information		
1.	Name & Address of the owner/occupier of the industry, operation or process	TV Narendran CEO & MD Tata Steel Limited, Gamharia Straight Bar & Wire Mill Division, Unit-2 Phase-IV, Adityapur industrial Area, Gamharia, Dist- Saraikela Kharsawan, Jharkhand, India
2.	Industry Category Primary (STC Code), Secondary (STC Code)	Orange
3.	Production capacity-Units	SBWM – II: 2400 MT/month
4.	Year of establishment	SBWM – II: 1982
5.	Date of last statement	05.09.2025

PART – B			
Water & Raw material Consumption			
B-1 : Total Water Consumption (m³/d)			
	Total Water Consumption (m³/d)		
Category	During the current financial year		
Process (m³/d)	4.5		
Cooling (m³/d)	0.1		
Domestic (m³/d)	0.4		
B-2 : Water Consumption per unit of the product (m³/MT)			
Name of the Products	Process Water Consumption per unit of product (m³/MT)		
	During the previous financial year	During the current financial year	
Wire of SBWM - 2	0.250	0.159	
B-3 : Raw Material Consumption			
Name of Raw materials	Name of Products	Raw material Consumption per unit of product (MT/MT)	
		During the previous financial year	During the current financial year
Steel Wire Rod for SBWM – 2	Wires	1.01	1.01

PART – C			
Pollution discharged to Environment per unit of Output			
(Parameters as specified in the Consent issued)			
C-1 : Water Pollution			
Pollutant Parameter	Quantity discharge	Concentration discharge (mg/l)	Percentage of variation from prescribed standards with reasons
	(kg/d)		
-	Nil	Nil	-
It is to be noted that since we are maintaining Zero Effluent Discharge (ZED) of hence the above discharge load is also zero.			
Pollutant Parameter	Quantity discharge	Concentration discharge (mg/Nm ³)	Percentage of variation from prescribed standards with reasons
	(kg/d)		
-	N/A	N/A	-

PART – D		
Hazardous Wastes		
(As specified under The Hazardous Waste Management, Handling & Transboundary Movement Rules, 2016)		
D-1 : Generation from Process		
Name	Total Quantity (MT/KL)	
	During the previous financial year	During the current financial year
Used Oil / Spent Oil (Schedule – 1; Cat. - 5.1)	Nil	Nil
Waste or Residue Containing Oil (cotton Waste) (Schedule - 1; Cat. - 5.2)	0.165 MT	Nil
Acidic and alkaline residues (Schedule – 1; Cat.: 12.1)	2192.25 MT	Nil
Spent pickling liquor (Schedule – 1; Cat. - 13.1)	188.33 MT	2365.22 MT
D-2 : Generation from Pollution Control Facilities		
Name	Total Quantity (MT/KL)	
	During the previous financial year	During the current financial year
-	N/A	N/A

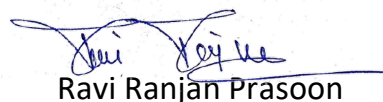
PART – E		
Solid Wastes		
E-1 : Generation from Process		
Name	Total Quantity (MT)	
	During the previous financial year	During the current financial year
-	-	-

PART – F		
Please specify the characterizations (in terms of composition in quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both this categories of wastes		
F-1 : Hazardous Wastes		
Description	Composition	Method of disposal
Used Oil / Spent Oil (Schedule – 1; Cat. - 5.1)	Poly aromatic hydrocarbon	Recycled or reprocessed through authorized recycler approved by JSPCB.
Acidic and alkaline residues (Schedule – 1; Cat.: 12.1)	HCl	Disposal to Authorized Recycler approved by JSPCB
Spent pickling liquor (Schedule – 1; Cat. - 13.1)	HCl	

PART – G
Impact of pollution control measure taken on conservation of natural resources and cost of production
Water sprinkles are installed to control the fugitive emission during vehicle movement

PART – H
Additional measures/investment proposal (future plan) for environmental protection including abatement of pollution, prevention of pollution
None

PART – I
Any other particulars undertaken for improving the quality of environment
Enhancing green coverage by creating gardens and undertaking mass tree plantation in and around the plant.



Ravi Ranjan Prasoon
Head - Environment

For Tata Steel Limited, Gamharia