TSJ/EMD/C-23/148/26
September 28, 2026

The Member Secretary
Jharkhand State Pollution Control Board
T.A. Division Building
HEC Campus, Dhurwa
Ranchi - 834004

Subject: Submission of Environment Statement for Township of Tata Steel Limited, Jamshedpur for the year 2025-26

Dear Sir,

With reference to captioned subject, we are submitting herewith the Environment Statement for Township of Tata Steel Limited, Jamshedpur for the year 2025-26 duly filled in the prescribed format for your kind consideration.

You are requested to kindly acknowledge the same and place in your records.

Thanking you

Yours faithfully
For Tata Steel Limited



Head Environment Management TSJ & CoE

Enclosures as above

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

ENVIRONMENTAL STATEMENT
FOR THE YEAR 2025-26

JAMSHEDPUR TOWNSHIP
TATA STEEL LIMITED

SUBMITTED BY:
ENVIRONMENTAL MANAGEMENT DEPARTMENT
TATA STEEL LIMITED
JAMSHEDPUR-831001
JHARKHAND

[Form V]

Environmental Statement for the Financial Year ending 31/03/2026.

Part A

(i)	**Name & address of the owner/occupier of the industry operation or process:**	Mr. T.V. Narendran CEO & MD Tata Steel Limited Jamshedpur-831001 East Singhbhum, Jharkhand
(ii)	**Industry Code**	Orange Category
	Primary STC Code:	SIC Code: 4941, 4950 & 4953
	Secondary SIC Code	-
(iii)	**Production Capacity**	Kharkai STP – 16 MLD, Bara STP – 45 MLD List of services provided, and Major Installations within Tata Steel Leasehold Area for Township Operations is enclosed as **Annexure I**
(iv)	**Year of Establishment**	1907
(v)	**Date of last Environment Statement submitted**	September 25, 2025

Part B

WATER & RAW MATERIAL CONSUMPTION

i) Water Consumption (m^3/day)

Process & Cooling	: 0
Domestic Consumption (As drinking water supplied to township)	: 220010

Name of the product	**Process water consumption/unit of product output (m^3/month)**	
Township Services	**During the Previous Financial Year (2024-25)**	**During the Current Financial Year (2025-26)**
Water Treatment at STP	66,22,500	66,91,583

ii) Raw Material Consumption (Water Treatment Plant):

Name of Raw Material	**Name of the Products/Services**	**Consumption of Raw material per unit**	
		During the Previous Financial year (2024-25) (Tonnes/MLD)	During the Current Financial year (2025-26) (Tonnes/Yr)
Solid Alum	Water Treatment	11.93	305.8
Liquid PAC		6.16	445.3
Liquid Alum		13.71	407.3
Liquid Chlorine		4.54	182.7
Powder PAC		1.37	124.7
Bleaching Powder		1.23	7.5
Polyelectrolyte		0.09	7
HCl		Usage from Feb'26 onwards	29.65
Sodium Chlorite			30.37

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
Northern STP (Bara) Treated Outlet					
(a) Water	**(Tons/day)**		**(mg/L)**		
Parameter	**2024-25**	**2025-26**	**2024-25**	**2025-26**	
TSS	0.24	0.39	9.7	9.08	-55
BOD	0.19	1.05	27.7	24.7	-51
COD	0.53	0.53	12.6	12.4	-59
Oil & grease	0.11	0.22	5.5	5.2	-48
(b) Air#	Not Applicable				
Southern STP (Kharkai) Treated Outlet					
(a) Water	**(Tons/day)**		**(mg/L)**		
Parameter	**2024-25**	**2025-26**	**2024-25**	**2025-26**	
TSS	NA*		9.5	9.2	-54
BOD			29.8	25.1	-50
COD			12.5	10.6	-65
Oil & grease			8.0	5.0	-50
(b) Air#	Not Applicable				

*****Water is recycled/ reused from Southern STP.

#No process stack emissions are associated with township operations.

Part D

Hazardous Waste

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

Hazardous Waste	Total Quantity (Tonnes)	
	During the Previous Financial year (2024-25)	During the Current Financial year (2025-26)
(a) From Process		
	NA	NA
(b) From Pollution Control Facilities		
	NA	NA

*****No hazardous waste generation is associated with township operations.

Part E

Solid Waste

Name of the Waste	Total Quantity Generated	
(a) From Process	During the Previous Financial year (2024-25)	During the Current Financial year (2025-26)
Municipal Solid Waste	82,125 Tonnes	83,950 Tonnes
(b) From Pollution Control Equipment		
Activated Sludge	6,248 KL	13,788 KL
STP Sludge	901 MT	680 MT
(c)(1). Total Quantity Recycled/ Reutilized within the unit		

Total waste processed at compost plant (Municipal solid waste)	1,31,917 Tonnes	49,275 Tonnes
Activated Sludge	6,248 KL	13,788 KL
STP Sludge	901 MT	680 MT
(c)(2). Total Quantity Sold		
Organic Compost from Municipal Solid Waste	13,530 Tonnes	12,045 Tonnes
RDF	19,062 Tonnes	3,206 Tonnes
(c)(3). Total Quantity Disposed	0	0

Part F

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

A. Physical Analysis

Sl. No.	Waste Stream Materials	% Content
01.	Short Term Bio-degradable: Leafy matter, food waste, remains of fruits, vegetables	50.20
02.	Remains of fish, meat, poultry	2.80
03.	Tree twigs, banana stump, hard nuts, coconut shells, palm leaves	4.00
04.	Cotton, jute, wool, rags, textiles, yarn	4.50
05.	Rubber and leather products	1.80
06.	Bamboo products, wooden materials, coir, cane, furniture etc.	4.80
07.	Diapers, napkins, bandages etc.	1.50
08.	Paper products of all kinds	3.70
09.	Plastic products of all kinds	4.80
10.	Glass & Metals	1.20
11.	Stone, earth, street sweeping dust	12.00
12.	Cattle dung and others	8.70
Total		**100.00**

B. Waste Suitability Analysis for Product Recovery

Sl.No.	Items	%
1.	Easily Compostable matter incl. food waste, fish, meat waste and cattle dung	58.00
2.	Combustible materials with high C.V. to be recovered as refused derived fuels	18.30
3.	Recyclable plastic	4.00
4.	Construction material	12.00
5.	Non-usable inert for SLF	7.70
Total		**100.00**

C. Calorific Value Analysis:

- Gross Calorific Value of mixed sample 1130 Kcal/Kg
- Gross Calorific Value of combustibles 2320 Kcal/Kg

D. Chemical Analysis

Sl. No.	Parameter	Observed Values
1.	pH	6.2
2.	Organic Carbon %	35.00
3.	Nitrogen %	0.84
4.	Phosphorus %	0.46
5.	Potassium %	0.42
6.	Calcium %	1.40
7.	Magnesium %	0.36
8.	Sulphates %	0.40
9.	C: N Ratio	41.6:1

E. Heavy Metal Analysis:

Sl. No.	Parameter	Observed Values (PPM)
1.	Lead	60.00
2.	Cadmium	Below Detectable Limits
3.	Nickel	8.50
4.	Chromium	4.00
5.	Mercury	Below Detectable Limits
6.	Copper	30.00
7.	Zinc	70.00

Part G

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

- Biogas plants installed to use food waste as raw material and produce gas which is used in kitchen reducing LPG and cost.
- Leaf compost used in gardening as fertilizer.

Part H

Additional Measures Investment Proposal of Environmental Protection Including Abatement of Pollution

- 25 Nos. Modular Biogas operationalized.
- New Transfer Station constructed.
- New Material Recovery Facility constructed.
- SLF Begunadih construction near to completion.
- Legacy Waste Biomining is under progress, reclaiming 5 Acre of land. Reclaimed land to be used for construction of compost plant.

- Activated sludge was utilized as seeding material, promoting waste-to-resource circularity and minimizing sludge disposal.
- City compost is being sold to reputed organization like Coromandel international, K.V. Sales, Geeta Organics and Paradeep Phosphorates Ltd.
- Upcycling center opened at ECC flats for recycling dry waste to carpets, refurbished shoes, cloth bags, plastic paver blocks etc.
- D2D Collection from 38922 HH/Establishments. QR code for IOT based D2D collection installed in approx. 27757 houses.
- Jamshedpur achieved a 5-Star Garbage Free City (GFC) rating during the latest Swachh Survekshan assessment.
- Dried Sludge reutilization: Activated sludge of Bara STP is being sent to Tata Steel units for inhouse house in digestors at ETP.

Part I

Any other particulars for improving the quality of Environment.

- River clean-up / Water conservation and mass awareness drives in the township.
- Mass awareness drives in the township during World Water Day.
- Construction, Operation & Maintenance of Package Sewage Treatment Plant at Professional C-Block (1000 KLD), Bodhanwala SPS 500 KLD, Ramnagar SPS 1000 KLD, Patel Nagar SPS 300 KLD, Jaiprabha Complex SPS 300 KLD
- Facilitation to Township consumer for installing Roof Top Solar by providing Net Meters.
- Tree plantation is undertaken within and around the township on major environmental observance days to enhance green cover.
- Construction, Operation & Maintenance of Sewage Pumping Station of 1000 KLD besides Bhatia Park, 500 KLD at Old Uliyan.
- Introduction of new Chlorine di- oxide for disinfection of drinking water (to replace Chlorine gas) at Unit II, Water Works Sakchi.

Annexure – 1

List of services provided and Major Installations within Tata Steel Lease Hold Area for Township Operations

I.	**Type of services provided.**
i.	Power Supply to Company accommodations and adjoining area.
ii.	Drinking Water Supply to Company accommodations and adjoining area.
iii.	Repair and Maintenance of roads of lease area.
iv.	Maintenance and operation of Sewage network of command area (Sewage pumping stations and Sewage Treatment Plant)
v.	Fleet Management Services – Maintenance of company vehicles.
vi.	Municipal Solid Waste Management – Collection, transportation, processing and Disposal from township.
vii.	Horticulture and green cover of township.
II.	**Office Installations**
i.	Chamaria Guest House
ii.	Tubes Guest House
iii.	Directors Bungalow - 1
iv.	Directors Bungalow - 2
v.	Tata Workers Union
vi.	JUSCO Shramik Union
vii.	Security Training Centre.
viii.	Urban Services
ix.	Corporate Communication TSL
x.	Centre for Excellence,
xi.	JUSCO Corporate Office
xii.	Town Electrical Office
xiii.	Horticulture Office
xiv.	ICS Centres (South Park, Central, Kadma, Sakchi, Sidhghora)
xv.	Public Health Centres (RDB, NT, Kasidih, Baridih, Burma mines)
xvi.	Tata Zoological Park
xvii.	Public conveniences throughout township (Urinals / Public Latrines)
III.	**Market**
i.	Bistupur Market
ii.	Kadma Market
iii.	Sakchi Market
iv.	Golmuri Market
v.	Sidhghora Market
vi.	Burmamines Market
vii.	Kagal Nagar Market
viii.	Gudri Market
ix.	Airport Market

IV	Residential Accommodations								
Sl. No.	Area	Qtrs	Flat	Bung.	Sl. No.	Area	Qtrs	Flat	Bung.
Agrico					**Kadma**				
1	New/ Bara Flats		594		47	Kaiser Bung. (2 R)			15
2	Agrico - Bara Flats		240		48	Kaiser Bung. (3 R)			77
3	Rn1/Agrico	3			49	New Tc Bha Kadma-2 R			22
4	M2/Agrico	2			50	New Tc Bha Kadma-3 R			38
5	L4/Agrico-H6/Golmuri	715			51	Ts Flat (Old)		60	
6	L5/Agrico	174			52	T.S.Flat (New)		24	
7	L6/Agrico	198			53	Kf4 Flats,Kadma		153	
Baridih					54	Beldih Lake Sup.Flat		112	
8	M.Sup.Flat, Tubes		56		55	Gps Flats		238	
9	Baridih Flats		728		56	Green Enclave, Kadma		182	
10	New K2 Type	280			57	Prakriti Vihar(Nopr)		182	
11	Modified Nb	251			58	Uliyan/Kadma Flats		1895	
12	Tj1/Tj2, Baridih	296			59	Green Enclave(Opr)		70	
13	K2/Tubes Baridih	50			60	Prakriti Vihar, Kadma		140	
14	L4/Tubes Baridih	93			61	K/K.D. Type		28	
15	L5 & S Type Tubes	56			62	Dindli Enclave, Kadma		70	
16	L6/Tubes Baridih	122			63	K.D.Flats, C.H.Area		32	
17	New Baridih	64			64	K.D.Flats, Kadma		76	
18	Modified Tj Type,	105			65	Kaiser Flats, Kadma		8	
Bistupur					66	Prof.Flats,I.C.Road		152	
19	Tr/Bistupur	206			67	Prof.Flats, K.S.Link		192	
20	L4/Bistupur	43			68	Prof.Flats, Farm Area		80	
21	L5/Bistupur	38			69	K.S Link Executive Flats		24	
22	H2,H3,H4,H6,G1 & G2	451			70	Gt (Uliyan Flat)		89	
23	G,H1 & H5,Bistupur	65			71	Rn1,N2,N1 & Rmr,Kadma	0		
24	P & P1 Bistupur	27			72	M2 Kadma	0		
Burmamines					73	Tr Including R.D.Bhatta.	286		
25	Security Flat B.Mines		140		74	Modified Tr Type,Kadma	239		
26	S-Type B/Mines	160			75	L4/Xn(R.D.Bhatta)Tj4,Bha	19		
27	L,L3,L4 & Bml,B/Mines	485			76	L5 Kadma	545		
28	H6 & Bmh Burma Mines	93			77	L6 & G5, Kadma	98		
29	Bung. Burma Mines	8			78	H6 Kadma	100		
Dhatkidih					79	Pc & Pcf	21		
30	Dhatkidih Flats		96		80	T.C. (Old)	60		
31	Proto Type Flat		8		81	Modified M-2 Type	0		
32	Cs Quarters	435			**Sakchi**				
Golmuri					82	Sf1, Swarnarekha Flat		198	

IV	Residential Accommodations								
Sl. No.	Area	Qtrs	Flat	Bung.	Sl. No.	Area	Qtrs	Flat	Bung.
33	Gf1,Gf2,Gf3,Gf4 Flats		253		83	Sf3, Baradwari Flat		192	
34	Gf5 Flats		80		84	New Swarnrekha Flats		48	
35	Golmuri Flats - 6		196		85	Pipe-Line Flats, Sakchi		32	
Nildih					86	Rn & N1 Sakchi	0		
36	B Type Bungalow, Nildih			2	87	M2/Sakchi	78		
37	Ds/B Bungalow, Nildih			10	88	Tr & Sm Sakchi	85		
38	C Type Bungalow, Nildih			21	89	L,L1,L2,L3,L4,Lh - Sakchi	721		
39	Dsb Type Flats, Nildih		8		90	Security Flats Sakchi	1		
40	C_Type Flats, Nildih		32		91	H6/Sakchi	190		
41	D Type Flats, Nildih		28		92	G4/Sakchi	13		
42	P Type Flats, Nildih		66		93	Modified Tr Type Sakchi	48		
Northern Town					**Sidhgora**				
43	N Town Bungalow			189	94	New Sr/Sidhgora	9		
44	Vip Bungalow			24	95	Sr/Sidhgora	14		
45	Park Road Officers' Flats		48		96	X/Xn-Sidhgora	464		
46	Jubilee Rd.Officers' Flat		64		97	Modified X-Xn, Sidhgora	273		

V **Work Installations**

S.No.	Location	Premises Type
i	Southern STP (Kharkai) 16 MLD	Sewage treatment plant
ii	Bara Sewage Treatment Plant 45 MLD	Sewage treatment plant
iii	Northern SPS (CH Area)	Sewage pumping station
iv	Sonari SPS	Sewage pumping station
v	Old Uliyan SPS	Sewage pumping station
vi	New Uliyan SPS	Sewage pumping station
vii	Baradwari Sewage Pumping Station	Sewage pumping station
viii	Burma Mines Sewage pumping station	Sewage pumping station
ix	Bhuiyandi Sewage Pumping Station	Sewage pumping station
x	Baridih SPS	Sewage pumping station
xi	Swarnarekha SPS	Sewage pumping station
xii	Southern SPS	Sewage pumping station
xiii	WTP Sakchi (Including Chlorination)	Drinking water tower
xiv	Central WT	Drinking water tower
xv	Sakchi WT	Drinking water tower
xvi	Kadma WT	Drinking water tower
xvii	Tata Nagar WT	Drinking water tower
xviii	Burma Mine WT	Drinking water tower
xix	Sidhghora WT	Drinking water tower
xx	Sonari WT	Drinking water tower
xxi	River Pump House	River water pumping station

	xxii	Dimna Filter Plant	Water Treatment Plant
	xxiii	Dimna Management Development Centre	DBGR
	xxiv	Fleet Management	Vehicle Maintenance
	xxv	Horticulture Nursery	Park and garden
	xxvi	Town Electric Office	Office area
	xxvii	Compost Plant – 50 TPD	Manure manufacturing plant
	xxviii	Package Sewage Treatment Plant at Professional C-Block (1000 KLD)	Sewage treatment plant
	xxix	Bodhanwala SPS 500 KLD	Sewage pumping station
	xxx	Ramnagar SPS 1000 KLD	Sewage pumping station
	xxxi	Patel Nagar SPS 300 KLD	Sewage pumping station
	xxxii	Jaiprabha Complex SPS 300 KLD	Sewage pumping station
VI	**Sonari Airport**		
VII	**Hospitals and dispensaries** i. Tata Main Hospital ii. Dispensaries (ECC, Sonari, Kadma, South Park, Tubes, Sakchi, Sidhghora, Agrico, Burmamines) iii. Adersir Dalal Memorial Hospital. iv. Kantilal memorial Hospital v. Centre for Family Initiative vi. Veterinary Hospital vii. Dog Sterilization Centre viii. Immunization Centre		
VIII	**Educational Institutions** i. SNTI, N-Road. ii. Mrs. KMPM Intercollege iii. JUSCO School , South Park iv. JUSCO School, Kadma. v. Kasidih High School vi. RD Tata Technical Institute, Golmuri. vii. Burmamines High School viii. DM Madan Girls High School ix. Sakchi Girls High School x. Jamshedpur Public School xi. AIWC School, Old Baridih xii. Tube Baridih High School.		
IX	**Parks – 44 Parks and Gardens** i. Jubilee Park ii. Dorabji Park iii. Bistupur Postal Park iv. Bhetiya Park v. New Kagalnagar Park vi. Nildih Children Park vii. Nature Trail Sidhgora viii. Nildih Park ix. Jamshedpur Nature Trail		

	x. Biodiversity Park, Kadma xi. Ramnagar Park xii. Dalma View Point
X	**Playgrounds/ Golf ground/ Clubs** i. JRD Sports complex ii. Keenan Stadium iii. Mohan Ahuja Stadium iv. Gopal Maidan v. Armoury Ground vi. Aaam Bagan vii. Bari Maidan viii. Agrico Maidan ix. G-Town Maidan **Golf ground** x. Beldih Golf Course xi. Golmuri Golf Course **Clubs** xii. G-Town Club xiii. United Club xiv. Beldih Club xv. Tube Makers Club xvi. Golmuri Club
XI	**Bustees** i. Gurudwara Bustee ii. Harijan Bustee, Dhatkidih iii. Ranikudar iv. New Ranikudar v. Sonari Bustee vi. Khutadih Bustee vii. Kumharpada Bustee viii. Kasidih Bustee ix. Hume Pipe Bustee x. Bhalubasha Bustee xi. Sitaramdera Bustee xii. Baridih Bustee xiii. Toiladungri Bustee xiv. Gadabasha Bustee xv. East Plant Bustee xvi. Namda Bustee xvii. Monifit Bustee