

Ref. No: TSG/EMD/ES/FY'25 05.09.2025

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 2024-25 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-20530882/2025/605 dated 27-03-2025
- 2. JSPCB/HO/RNC/CTO-19855975/2024/1990 dated 25-12-2024
- 3. JSPCB/HO/RNC/CTO-18478214/2024/810 dated 07-05-2024
- 4. JSPCB/HO/RNC/CTO-20606861/2025/1712 dated 24-06-2025
- 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 2024-25 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

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 2025.

	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	24.09.2024		

PART – B				
Water & Raw material Consumption				
B-1: Total Water Consumption (m	n³/d)			
	Total Water Consumption (m ³ /d)			
Category		During the curre	ent financial year	
Process (m³/d)		5	18	
Cooling (m ³ /d)		13	883	
Domestic (m³/d)		3	46	
B-2: Water Consumption per unit	of the product (m ³	/MT)		
			sumption per unit of	
Name of the Produ	rts	product (m³/MT)		
Name of the Frond	CLS	During the previous	During the current	
		financial year	financial year	
1. Crude Steel		1.193	1.268	
2. Hot Metal		0.697	0.801	
3. Wire Rod & RCS		0.852	1.085	
4. DRI		0.951 0.721		
5. Power		4.76 KL/MWH 3.83 KL/MWH		
6. Sinter		0.106	0.103	
7. Pellet		Majorly treated	Majorly treated water	
		water from ETP and	from ETP and partially	
		partially (0.75) fresh	(0.071) fresh water is	
		water is being used	being used	
8. Coke		Nil. (No fresh water.	Nil. (No fresh water.	
		Only treated water	Only treated water	
		from ETP is being used)	from ETP is being	
			used)	
B-3: Raw Material Consumption				
Name of Raw materials	Name of	Raw material Cons	sumption per unit of	

	Products	product (MT/MT)	
		During the previous	During the current
		financial year	financial year
1. MBF			
Iron Ore (Lump)		0.521	0.367
Sinter	Hot Metal	0.929	1.054
Quartzite		0.051	0.038
Coke (Net and Nut coke)		0.476	0.491
PCI Coal		0.116	0.095
Pellet		0.182	0.192
2. SMS			
Hot metal /Pig Iron	Crude steel	0.786	0.770
Sponge Iron		0.356	0.378
3.WRM	Mina Dad		
Billet	Wire Rod	1.027	1.026
4. Blooming Mill	Diagram		
Billet/Bloom	Bloom	1.026	1.040
5. DRI			
Iron Ore	-	1.693	1.649
Coal	DRI	0.886	0.805
Pellet		Nil	0.015
6. Sinter			
Iron Ore Fines		0.885	0.844
Coke Fines		0.081	0.080
Coal	Sinter	0.006	Nil
Limestone		0.115	0.107
Burnt Lime		0.026	0.029
Crude Dolomite		0.151	0.128
7.Captive Power Plant	Flantaide		
Coal	Electricity	1.071	0.822
8. Pellet Plant			
Iron Ore		1.121	1.079
Coal	Pellet	0.050	0.042
Limestone		0.018	0.020
Bentonite		0.009	0.007
9. Coke Oven Plant			
Coking Coal	Coke	1.454	1.466
PCI		0.002	Nil

PART – C
Pollution discharged to Environment per unit of Output
(Parameters as specified in the Consent issued)
C-1: Water Pollution

Pollutant		Quantity discharge	Concentration	Percentage of variation	
Parameter	Prescribed Standard	(kg/d) discharge (mg/l)		prescribed s 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

Pollutant		Quantity discharge	Concentration		itage (%) of
Parameter	Stack No. / Name	(kg/day)	discharge (mg/Nm³)	prescribed standards with reasons	
	WHRB - 1 (DRI-1) & 40 TPH	141	37	-63	
	WHRB - 2 & 3 (DRI-2&3)	126	36	-64	
	WHRB - 4 & 5 (DRI-4&5)	129	34	-66	
	25 MW CPP	413	65	-35	
	30 MW CPP	140	25	-75	
	Coke Oven WHRB - 1	79	21	-58	
	Coke Oven WHRB - 2	76	22	-56	The result is negative, it means the measured value is within the prescribed
	MBF - 1 stove	8	6	-94	
	MBF - 1 Cast House	35	22	-78	
6. 1	MBF - 1 Stock House	14	20	-80	
Stack	MBF - 1 Ground Hopper	12	19	-81	
emission (Particulate	MBF - 2 stove	33	18	-82	
matter)	MBF - 2 Cast House	94	22	-78	
mattery	MBF - 2 Stock House	65	21	-79	
	MBF - 2 PCI	17	22	-78	standard.
	MBF - 2 RMHS	18	21	-79	
	SMS - 1 & 2	256	25	-75	
	SMS - 3	255	23	-77	
	Pellet Plant	341	24	-52	
	Blooming Mill	31	26	-74	
	Wire Rod Mill	20	26	-74	
	Sinter Process	675	52	-48	
	Sinter De-dusting	204	27	-73	

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	
Discarded asbestos (Schedule – I; Cat.: 15.2)	-	Nil	
Process wastes, residues and sludges (Discarded Paint) (Schedule – I; Cat.: 21.1)	-	Nil	
Spent solvents (Schedule – I; Cat.: 21.2)	-	Nil	
Empty barrels/containers/liners contaminated with hazardous chemicals / wastes (Schedule – I; Cat. : 33.1)	480 Nos	15.2 MT	

Contaminated cotton rags or other cleaning materials (Schedule – I; Cat.: 33.2)	13.93 MT	26.94 MT
Exhaust Air or Gas cleaning residue		
(Schedule – I; Cat.: 35.1)	-	15396.8 MT
Chromium sludge from cooling water		
(Schedule – I; Cat.: 35.5)	-	Nil
Spent ion exchange resin containing toxic metals		
(Schedule – I; Cat. : 35.2)	-	Nil
Used Glass Wool or insulation Material		
(Schedule – II; Class: C)	-	21.04 MT
Waste Chemicals (Schedule – II; Class: C)	-	Nil
Insulated copper wire scrap or copper with pvc		
sheathing (Schedule – II; Class: C)	-	Nil
Used Spent oil (Schedule – I; Cat.: 5.1)	70.16 MT	88.24 MT
Organic residues (Schedule: 1; Category: 1.4)	-	Nil
Tar storage tank residue		N.I.I
(Schedule: 1; Category: 13.5)	-	Nil
Chemical sludge from wastewater treatment		N.I.I
(Schedule: 1; Category: 35.3)	-	Nil
Chromium sludge from cooling water		NI:1
(Schedule: 1; Category: 35.5)	-	Nil
D-2 : Generation from Pollution Control Facilities		
Name	Name Total Quantity	
	During the previous	During the current
	financial year	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		
1. Granulated BF Slag	257089	214385		
2. Mills Scale	6885	6572		
3. Electric Arc Furnace Slag	207737	174844		
4. Char (DRI)	81797	89133		
5. Wet Scrapper Sludge (DRI)	14014	11125		
6. Bed Ash	24124	19573		
7. Producer Gas Ash	2899	3311		
E-2 : Generation from Pollution Control Facilities				
Name	Total Quar	ntity (MT)		
	During the previous	During the current		
	financial year	financial year		
1. Air Pollution Control Device dust/residue of SMS	12029	8867		
2. Flue Dust from MBF	6246	6530		
3. Fly Ash	137389	123082		
4. WHRB Ash	133226	122533		
5. DRI DE Dust	23210	25095		
E-3: Quantity Recycled / Reutilized /sold				

Name	Total Quantity (MT)	
	During the previous	During the current
	financial year	financial year
1. Air Pollution Control Device dust/residue of SMS	10566	7999
2. Flue Dust from MBF	5899	7147
3. Char DRI	81624	88727
4. Fly Ash	111838	180474
5. Bed Ash	30382	19438
6. DRI DE Dust	23858	22844
7. Electric Arc Furnace Slag	275753	244905
8. Granulated BF Slag	257592	215347
9. Producer Gas Ash	3479	3708
10. Wet Scrapper Sludge (DRI)	15292	9982
11. WHRB - Ash	150817	121719
12. Mill Scale	6885	7806

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					
	disposal practice adopted for	both this categories of wastes			
F-1: Hazardous Wastes					
Description	Composition	Method of disposal			
Wastes or residues containing		Decycled or represented through			
oil (Schedule – I; Cat.: 5.2)	Polycyclic aromatic	Recycled or reprocessed through authorized recycler approved by			
Used Spent oil	hydrocarbon	JSPCB.			
(Schedule – I; Cat.: 5.1)		JSFCB.			
F-2 : Solid Wastes					
Description	Composition	Method of disposal			
Air Pollution Control Device	Fe, SiO ₂ , Al ₂ O ₃ , CaO, MgO	In-house utilization in sinter			
dust/residue of SMS	Fe, 310 ₂ , A1 ₂ O ₃ , CaO, IVIgO	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		Used in Brick making and cement			
Bed Ash	SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO	manufacturing process and low land development			
WHRB Ash		Filling of lowland area			
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 in the last year under the operating / capex budget of departments. The major activities include - Refurbishment of Air pollution control systems, installation of new APCD to control the fugitive emission. The major work undertaken for fugitive emission control include:

- 1. Installation of 13 Mist Beams at Railway siding.
- 2. Installation of new bag filters at raw material circuit at MBF-2, Sinter Plant, SMS & Coke Oven Plant
- 3. Revamping of all the 8 fields of process electrostatic precipitator by installation of advanced controller at Pellet Plant
- 4. Stabilization of open ash dump yard into Green biodiversity park
- 5. Plantation of 16000 saplings of varied species
- 6. Construction of covered shed for coal storage at Coke Oven, DRI, CPP, MBF- 2 area

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 2025.

	PART – A General Information			
1. Name & Address of the owner/occupier of TV Narendran		TV Narendran		
	the industry, operation or process	CEO & MD		
		Tata Steel Limited, Gamharia		
		(Oxygen Plant)		
		Adityapur Industrial Area, Dist: Saraikela-		
		Kharsawan, Jharkhand- 831001		
2.	Industry Category Primary (STC Code),	Green		
	Secondary (STC Code)			
3.	Production capacity-Units	Installed capacity-		
		Oxygen Plant- 220 TPD		
4.	Year of establishment	2008		
5.	Date of last statement	24.09.2024		

PART – B				
Water & Raw material Consumption				
B-1: Total Water Consumption (m	n³/d)			
		Total Water Cons	sumption (m³/d)	
Category		During the curre	nt financial year	
Process (m³/d)				
Cooling (m ³ /d)		12	7	
Domestic(m ³ /d)				
B-2: Water Consumption per unit	of the product (m ³	/MT)		
		Process Water Cons		
Name of the Produ	rts	product (m³/MT)		
realite of the Frodu	Name of the Floudets		During the current	
		financial year	financial year	
1. Oxygen (Gaseous and Liquid)	1. Oxygen (Gaseous and Liquid)		0.39	
B-3: Raw Material Consumption				
Name of Raw materials	Name of	Raw material Consu	ımption per unit of	
	Products	product (MT/MT)		
		During the previous	During the current	
		financial year	financial year	
1. Oxygen Plant				
Air	Oxygen	5.0	5.0	

PART – C						
Pollution discharged to Environment per unit of Output						
	(Paramete	ers as specified in	the Consent issued	d)		
C-1: Water Pollu	ıtion					
Pollutant	Pollutant Prescribed Quantity Concentration Percentage of variation					
Parameter	Standard	discharge	discharge (mg/l)	from prescribed		
		(kg/d)		standards with reasons		
-	-	Nil	Nil	-		
It is to be noted that Zero Effluent Discharge (ZED) is maintained.						
C-2: Air Pollution						
Pollutant	Stack No. /	Quantity	Concentration	Percentage of variation		
Parameter	Name	discharge	discharge	from prescribed		
(kg/day) (mg/Nm³) 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 During the current

Name	rotal Quantity (IVIT/KL)	
	During the previous	During the current
	financial year	financial year
Used Oil/ Spent Oil (Schedule – 1; Cat. – 5.1)	Nil	Nil
Wastes / residues containing oil	Nil	Nil
(Schedule – 1; Cat 5.2)	INII	INII
Tar storage tank Residue (Schedule – 1; Cat 13.5)	Nil	Nil
Process wastes, residues & sludges	Niil	Niil
(Schedule – 1; Cat 21.1)	Nil	Nil
Discarded containers / barrels / liners contaminated		
with hazardous wastes / chemicals	Nil	Nil
(Schedule – 1; Cat 33.1)		
Spent ion exchange resin containing toxic metal	Nil	Nil
(Schedule – 1; Cat 35.2)	INII	INII

D-2 : Generation from Pollution Control Facilities Name Total Quantity During the previous financial year 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
Not Applicable	Not Applicable	Not Applicable
E-2 : Generation from Pollution Control Facilities		
Name	Total Quar	ntity (MT)
	During the previous	During the current
	financial year	financial year
Not Applicable	Not Applicable	Not Applicable
E-3 : Quantity Recycled/Reutilized /sold		
Name	Total Quantity (MT)	
	During the previous	During the current
	financial year	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	F-1: Hazardous Wastes				
Description Composition Method of disposal					
Lload Oil / Wasta Oil	Dalveyelia aramatia hydrogarhan	Disposal to Authorized			
Jsed Oil / Waste Oil	Polycyclic aromatic hydrocarbon	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	
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 2025.

	PART – A			
	General Information			
1.	Name & Address of the owner/occupier of the	TV Narendran		
	industry, operation or process	CEO & MD		
		Tata Steel Limited, Gamharia		
		Straight Bar & Wire Mill Division,		
		Unit-1 & 2		
		Phase-IV, Adityapur industrial Area,		
		Gamharia, Dist- Saraikela Kharsawan,		
		Jharkhand, India		
2.	Industry Category Primary (STC Code),	Orange		
	Secondary (STC Code)			
3.	Production capacity-Units	SBWM – I : 425 MT/Day &		
		SBWM – II : 2400 MT/month		
4.	Year of establishment	SBWM – I : 1978 & SBWM – II : 1982		
5.	Date of last statement	24.09.2024		

PART – B				
Water & Raw material Consumption				
B-1: Total Water Consumption (m³/d)			
		Total Water Cons	sumption (m³/d)	
Category		During the curre	nt financial year	
Process (m³/d)				
Cooling (m ³ /d)		44	1	
Domestic (m³/d)				
B-2: Water Consumption per un	it of the product (m ³	/MT)		
		Process Water Consumption per unit of product (m³/MT)		
Name of the Products		During the previous	During the current	
		financial year	financial year	
Straight Bar of SBWM – 1		0.215	0.127	
Wire of SBWM - 2		0.376	0.250	
B-3: Raw Material Consumption				
Name of Raw materials	Name of	Raw material Consumption per unit of		
	Products	product (MT/MT)		
		During the previous	During the current	
		financial year	financial year	
Billet for SBWM – 1	Straight Bar	1.04	1.04	
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

	Quantity discharge	Concentration	Percentage of variation from
Pollutant Parameter	(kg/d)	discharge (mg/l)	prescribed standards with reasons
-	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 (kg/d)	Concentration discharge (mg/Nm³)	Percentage of variation from prescribed standards with reasons	
Stack emission	17.24	21.9	-78.1	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	During the current	
	financial year	financial year	
Used Oil / Spent Oil (Schedule – 1; Cat 5.1)	4.48 MT	1.38 MT	
Waste or Residue Containing Oil (cotton Waste)	0.143 MT	0.165 MT	
(Schedule - 1; Cat 5.2)	0.143 1011	0.103 1011	
Waste cutting oils (Schedule – 1; Cat 5.3)	-	Nil	
Acidic and alkaline residues	2150.14 MT	2192.25 MT	
(Schedule – 1; Cat.: 12.1)	2130.14 WH	Z13Z.Z3 IVI I	
Spent pickling liquor (Schedule – 1; Cat 13.1)	135.07 MT	188.33 MT	

D-2: Generation from Pollution Control Facilities

Name	Total Quantity (MT/KL)	
	During the previous	During the current
	financial year	financial year
-	N/A	N/A

PART – E			
Solid Waste	S		
E-1 : Generation from Process			
Name	Total Quantity (MT)		
	During the previous	During the current	
	financial year	financial year	
Mill Scale	1745	1911	

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.	
Acidic and alkaline residues (Schedule – 1; Cat.: 12.1)	HCI	Disposal to Authorized	
Spent pickling liquor (Schedule = 1: Cat = 13.1)	HCI	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	s/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