



TSL/HMC/ENV/FY27/11

Date: 10/09/2026

To
The Environmental Engineer and In-charge,
West Bengal Pollution Control Board,
Haldia Regional Office
Raghunathchak, PO- Barghasipur, PS- Bhabanipur
Dist- Purba Medinipur, Pin- 721657

Sub: Submission of Environmental Statement (Form V) for FY 2025-26

Dear Sir,

We are enclosing the duly filled Environmental Statement in Form V for the year 2025-26 pertaining to the 1.76 MTPA Metallurgical Coke Plant at Patikhali, Haldia, operated by Tata Steel Limited, Hooghly Met Coke Division, for your kind consideration and record.

Kindly acknowledge receipt of the same.

Yours faithfully,

For Tata Steel Limited

Mantu Patra
General Manager
Tata Steel Limited, HMC Division, Haldia

Encl: as above.

CC to : The Member Secretary, West Bengal pollution control Board, Paribesh Bhawan, 10A, Broadway Road, LA Block, Sector III, Bidhan Nagar, Kolkata, West Bengal-700106

TATA STEEL LIMITED

Hooghly Met Coke Division Patikhali P O Haldia Oil Refinery Purba Medinipur Haldia 721606
R O Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India
CIN L27100MH1907PLC000260 TEL +91 7477795610 Email : gm.hmc@tatasteel.com

**ENVIRONMENTAL STATEMENT
FOR THE YEAR 2025-26**

For

**Hooghly Metcoke Division
Tata Steel Limited**



**Tata steel Ltd. Hooghly Metcoke Division
Patikhali, Haldia
Dist- Purba Medinipur, West Bengal -721606**

ENVIRONMENTAL STATEMENT FORM-V

(See rule 14)

Environmental Statement for the financial year 2025-26 ending with 31st March

PART-A

i)	Name and address of the owner/ occupier of the industry, operation, or process	:	Mantu Patra General Manager Tata Steel HMC Division Patikhali, Haldia, Dist- Purba Medinipur, West Bengal -721606
ii)	Industry Category Primary/ (STC code) Secondary (STC code)	:	Large Scale Industry —
iii)	Production Capacity	:	1.76 MTPA Metallurgical Coke
iv)	Year of Establishment	:	December, 2007
v)	Date of Last Environmental /Audit Report submitted	:	25.09.2025

PART-B

WATER AND RAW MATERIAL CONSUMPTION

i)	Water Consumption in m³/day -	1684 m³/day
	Process	:
	Cooling	: 1669 m ³ /day} industrial
	Domestic	: 15 m ³ /day

Name of the products	Process water consumption per unit of products	
	During the Current Financial Year 2024-2025	During the Current Financial Year 2025-2026
Metallurgical Coke	0.413 cum /ton of Coke	0.386 cum /ton of Coke

ii) Raw material consumption:

Name of Raw Material	Name of the Products	Consumption of raw material per unit of output (MT/ TGC)	
		During the Current Financial Year 2024-2025	During the Current Financial Year 2025-2026
Coking Coal	Metallurgical Coke	1.338	1.339

PART-C

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

Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons*
	Kg/day	mg/Nm ³	
a) Water	There is no discharge of effluent. ZED is maintained.		
b) Air			
1	Chimney 1AB		
PM	94.94	22.62	- 55
SO ₂	1258.91	300.48	- 62
NOx	591.36	140.97	- 72
2	Chimney 1CD		
PM	93.62	23.14	- 54
SO ₂	1278.17	313.37	- 61
NOx	665.58	165.63	- 67
3	Chimney 2AB		
PM	86.39	21.12	- 58
SO ₂	1203.48	287.46	- 64
NOx	568.77	139.28	- 72
4	Chimney 2 CD		
PM	81.40	19.71	- 61
SO ₂	1194.45	285.05	- 64
NOx	609.36	145.20	- 71
5	Chimney 3 AB		
PM	91.34	21.22	- 58
SO ₂	1398.52	319.41	- 60
NOx	711.09	163.80	- 67
6	Chimney 3 CD		
PM	88.93	21.58	- 57
SO ₂	1296.30	316.62	- 60
NOx	684.13	165.56	- 67
7	Chimney 4 AB		
PM	96.66	23.42	- 53
SO ₂	1364.64	332.73	- 58
NOx	709.32	171.16	- 66
8	Chimney 4 CD		
PM	89.34	20.92	- 58
SO ₂	1309.55	305.88	- 62
NOx	691.00	160.31	- 68

PART-D

HAZARDOUS WASTES

(AS SPECIFIED UNDER HAZARDOUS WASTES (MANAGEMENT,
HANDLING AND TRANS BOUNDARY MOVEMENT RULES, 2016)

Hazardous Wastes	Total Quantity (Kg)			
	During the Current Financial Year 2024-2025		During the Current Financial Year 2025-2026	
1. From Process	Generation	Sold/Disposed off	Generation	Sold/Disposed off
Used or spent oil (Schedules-I Stream-5.1)	4.488 T	4.488 T	3.468 T	3.468 T
Empty barrels /containers/liners contaminated with hazardous chemicals/ wastes (Schedules-I Stream-33.1)	0.684 T	0.9 T	0.936 T	0.936 T
Contaminated cotton rags or other cleaning materials (Schedules-I Stream-33.2)	0.421 T	0.86 T	1.254 T	1.254 T
Waste Ceramic Waste (Schedule II Class C)	75.51 T	75.51 T	48.59 T	48.59 T

PART-E

SOLID WASTE

Sl. No.	Solid waste	Total Quantity (MT-Metric Tonne)	
		During the previous financial year 2024-25	During the current financial year 2025-26
a.	From process	Swamp Breeze - 1552.00 MT	Swamp Breeze- 1095 MT
		Mixed Iron & Steel Scrap- 2166.77 MT	Mixed Iron & Steel Scrap- 1460.67 MT
		Wooden scrap-17.63 MT	Wooden scrap-24.7 MT
		Rubber Waste (Rejected Conveyor Belt)- 43.24 MT	Rubber Waste (Rejected Conveyor Belt)- 42.18 MT
b.	From Pollution Control facilities	Nil	Nil
c.	1) Quantity recycled/reutilised within the unit	Nil	Nil
	2) Sold	Swamp Breeze- 4607.82 MT	Swamp Breeze – 4823.39 MT
		Mixed Iron & Steel Scrap- 2166.77 MT	Mixed Iron & Steel Scrap- 1460.67 MT
		Wooden scrap-17.63 MT	Wooden scrap-24.7 MT
		Rubber Waste (Rejected Conveyor Belt)- 43.24 MT	Rubber Waste (Rejected Conveyor Belt)- 42.18 MT
	3) Disposed	Nil	Nil

PART-F

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

Hazardous/ Solid Wastes	Characteristics	Method of disposal
Cotton contaminated rags or other cleaning materials	Hazardous	Disposed of through TSDF of West Bengal Waste Management Ltd. (M/s Re-sustainability), Purba Medinipur, Haldia, WB.
Waste Ceramic blanket	Hazardous	
Empty barrels /containers/liners contaminated with hazardous chemicals/ wastes	Hazardous	
Used or spent oil	Hazardous	Sell off to authorized recycler
Swamp Breeze	Non-Hazardous	Sell off to other party
Mixed Iron & Steel Scrap	Non-Hazardous	Sell off to other party
Wooden scrap	Non-Hazardous	Sell off to other party
Rubber Waste (Rejected Conveyor Belt)	Non-Hazardous	Sell off to other party

PART-G

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

- To harvest roof water from buildings (like ADM building / Store / Laboratory / pump house etc.) during monsoon, a storm water pond of approximately 6500 cum capacity has been developed. The collected roof water is channelled through a common storm water drainage system into this pond. The stored water is effectively utilized for coke quenching, gardening, road dust suppression and water sprinkling. For seamless usage, around 3km of pipelines and four pumps have been installed.
- Mechanised road sweeping machines have been introduced to ensure effective housekeeping and cleanliness of plant roads.
- Road dust suppression is further managed through water sprinkling by truck mounted water tanker.
- Vertical gardens have been established at the Central Wire house and administrative building, enhancing greenery and aesthetics.
- A biodiversity assessment has been conducted in both the core & buffer zone around HMC division to monitor and preserve ecological balance.
- Domestic wastewater is being treated in sewage treatment plant (STP) and used in gardening purpose.
- Wheel Washing system has been installed near Coal yard.
- Bag filter system installed at pushing car at coke oven battery Row No-2.

PART-H

Additional measures/investment proposal for environmental protection including abatement of pollution.

- The greenery development programme will be continued and further expanded in the year 2027.
- Key Pollution abatement measures include
 - 🚧 Minimization of material spillage and maximise recovery/ reuse of collected spillage.
 - 🚧 Reduction of burning loss through optimization of carbonisation process.
 - 🚧 Arresting all kind of leakages in the oven to obtain maximum flue gas temperature etc.

PART-I

MISCELLANEOUS:

Any other particulars in respect of environmental protection and abatement of pollution.

- Renewal of ISO 14001:2015, ISO 45001: 2018 and ISO 9001:2018 certifications are successfully completed in Jun'2025 and certification is valid for 3 years.
- World Environment Day (5th June 2026) was celebrated across the plant premises with active participation of employees, reinforcing awareness and commitment towards sustainability.
- Regular Environmental Monitoring is carried out by NABL accredited/ CPCB/WBPCB approved Lab to ensure compliance and improvement in environmental performance.

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**Bidhan Nagar IB Market SO
700106**



EY555022905IN - INLAND SPEED POST DOCUMENT

721606-700106



**RECEIVER: MEMBER SECRETARY
WBPCB PARIBESH BHAWAN
KOLKATA WEST BENGAL
INDIA - 700106**

**SENDER: TATA STEEL LTD
HOOGHLY MET COKE DUVN
PATIKHALI MEDINIPUR EAST WEST
BENGAL
INDIA - 721606**

Haldia Oil Refinery SO (721606) 14-09-2026 12:10:59
ChargedWeight(gms): 40 Phy.Wt(gms): 40 Vol.Wt(gms): NA(L: NA
B: NA H: NA)AmountPaid: Rs.55.00 (SQ) BkgRefId:
3366168314092619851

In case of any grievance - DIAL-18002666868 : IVR NO : 698955022905