



The Member Secretary
State Pollution Control Board
Paribesh Bhawan
A/118, Nilakantha Nagar
Unit-8, Bhubaneswar

Ref. No.- TSL/PPA/ENV/105

Date: 17th August 2026

(Sub: Submission of annual Env. Statement for 2025-26)

- Ref: 1. Statutory requirement as CTO issued by OSPCB.
2. General Condition No (vii) of Environmental Clearance issued to BPPL by MoEF & CC vide No. J -13012/ 91/2008-IA. II (T) Dt. 14.05.2010.

Dear Sir,

We are submitting herewith the Annual Environmental Statement (Form-V) for FY 2025-26 in respect of 135 (2 x 67.5) MW Captive Power Plant of M/s. Bhubaneshwar Power Private Limited, Anantapur.

This is for your kind perusal.

Thanking you,

Yours faithfully,
For Tata Steel Limited
Power Plant Athagarh


Debasish Pattnaik
Authorised Signatory
Debasish Pattnaik



[Signature]

(Encl: Form-V for FY 2025-26 containing 7 pages)

Copy to:

1. Regional Director (EZ), MoEF & CC, A/3, Chandrasekharapur, Bhubaneswar-751023
2. Regional Officer, State Pollution Control Board, 586, Surya Vihar, Link Road, Cuttack, Odisha

TATA STEEL LIMITED

Power Plant Athagarh Anantapur Dhurusia Cuttack 754027
Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001 India
Tel 91 22 6665 7371 Website www.tatasteel.com
Corporate Identification Number L27100MH1907PLC000260



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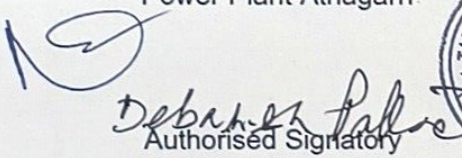
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ENVIRONMENTAL STATEMENT REPORT FOR 2025-26
TATA STEEL LIMITED, POWER PLANT ATHAGARH, ANANTAPUR



ENVIRONMENTAL STATEMENT FORM-V

(See Rule – 14)

Environmental statement for the financial year ending with 31st March' 2026.

PART-A

General:

i	Name and address of the owner/ occupier of the industry	Mr. T V NARENDRAN M/s. TATA STEEL LIMITED, POWER PLANT ATHAGARH Village- Anantapur P.O- Dhurusia Tehsil- Athagarh Dist.- Cuttack, Odisha PIN- 754027
ii	Industry category	Red-A (Thermal Power generation)
iii	Production capacity	135 (2 x 67.5) MW
iv	Year of establishment	Dt. 01.06.2016
v	Date of last Environmental statement submitted	Dt. 25.08.2025

PART-B

Water and Raw material consumption

- i. Water consumption (m³/day)
- Process : 487.35
- Cooling : 6576.6
- Domestic : 13.2

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial Year
Thermal Power	0.15728 (m ³ /MWH)	0.1832 (m ³ /MWH)

- ii. Raw material consumption

Name of raw materials*	Name of Products	Consumption of raw material per unit of Output	
		During the previous financial year	During the current financial year
Coal	Thermal Power	0.833549 MT/MWH	0.851MT/MWH
LDO		0.207234 Ltr/ MWH	0.213 Ltr/ MWH

* Industry may use codes if disclosing details of raw material would violate contractual obligations, Otherwise all industries have to name the raw materials used.

ENVIRONMENTAL STATEMENT REPORT FOR 2025-26
TATA STEEL LIMITED, POWER PLANT ATHAGARH, ANANTAPUR



PART-C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons.
(a) Water	Wastewater generated from the process including sewage is treated in ETP and STP. Treated wastewater is being re-used for ash conditioning, dust suppression and gardening purposes		
(b) Air	< 50 mg/Nm ³	< 50 mg/Nm ³	Ambient air quality & Stack emission monitoring reports are submitted regularly to SPCB / MoEF; monitored values are found well within the prescribed limits.

PART-D

HAZARDOUS WASTES

(as specified under Hazardous Wastes (Management & Handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
1. From Process	2.520 KL (Used Oil) 0.0 KL (Waste containing Oil)	13.66 KL (Used Oil) 0.0 KL (Waste containing Oil)
2. From Pollution Control Facilities	--	--

PART - E

SOLID WASTES:

Solid Wastes	Total Quantity (Tons)	
	During the previous financial year	During the current financial year
a. From process	62277.0 (Bottom Ash)	55906.0 (Bottom Ash)
b. From Pollution Control Facility	249106.0 (Fly Ash)	223619.0 (Fly Ash)
c. Quantity recycled or re-utilized within the unit.		
1. Ash utilization		
i. Supply to Brick Plants for Brick making	299833.0	277207.5
ii. Supply to Cement Plant for Cement making	110.0	497.0
iii. Disposal in ash dykes	--	--
iv. Quarry reclamation	00.0	00.0
v. Road making	28720.0	8955.0

The scrap (metal pieces, insulation waste, packing plastics, wooden planks etc.) generated from activities are collected, stored in scrap yard and sold to outside vendors through Industrial Biproduct Management Division (IBMD), Tata Steel Ltd.

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 Waste

Hazardous Waste generated from the process includes used oil (drained from machineries/ equipment) and oil-soaked cotton waste. Authorization obtained from OSPCB for generation, handling collection, storage and disposal of Hazardous Waste vide letter No.- IND-IV- HW -1202/7307 on Dt. 08.05.2026; Valid Date: 31.03.2027. Hazardous waste (Used oil) is stored in hazardous waste storage area & is being disposed off to the SPCB/CPCB authorized re-processors. While oil-soaked cotton waste is incinerated in the Boilers.

SOLID WASTE

For the collection of dry fly ash, 3 Nos. of dedicated silos are in place with pneumatic conveying system for further disposal.

PART-G

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

The following practices are adapted for the pollution control & conservation of natural resources:

1. Twin-flue stack with height of 130 meter are provided as per the CPCB guidelines for better dispersion of emissions and keep the concentrations within SPCB/CPCB specified standards.
2. High efficient Electrostatic Precipitators (ESPs) of 12 fields in each are provided for the control of dust emissions in flue gas.
3. Installation of Dust Extraction system along with 6 Nos. of Bag Filters at CHP & 3 nos. of Bag Filter at Ash Silos to arrest the fugitive emissions
4. Roof sheeting and side cladding in conveyor galleries to control fugitive dust
5. Installation of Dust Suppression System in identified areas in CHP
6. Installation of 24 nos. of Dry Fog systems nozzles at transfer points of CHP
7. Installation of 2 nos. of high efficient mist canons at coal yard as an effective dust suppression measure.
8. Specific water consumption has been maintained < 3.5 m³/MWH & cooling water system is designed at 5.0 COC; and is maintained at 5.9- 6.0 COC.
9. Effluent Treatment Plant (ETP) and Sewage Treatment Plant (STP) are in place to control water pollution. Treated water is completely reused for ash conditioning, greenbelt development, dust suppression etc.
10. Rainwater harvesting is being practiced in the plant premises.
11. Good housekeeping is maintained within the plant premises.
12. Separate road for Two wheelers/ Pedestrians

13. Total 69567 nos. Greenbelt has been developed in & around the plant periphery and maintained with >92.0 % survival rate to control the dispersal of dust particles and attenuate the noise generated from plant operation.
14. Utilization of 102.55 % of ash for Fly ash Brick making and Cement making in 10th year of plant operation; and efforts are being taken for 100% utilization in the subsequent years also.
15. Installation and put in use of mechanized waste converter & Vermicomposting system.
16. Installation of 2 nos. of IP Surveillance Camera to visualize the Stack/ Fugitive emission and as a proof for Zero Effluent Discharge (ZED), if any and the video footage is connected to SPCB Server.
17. 2 nos. mechanized wheel washing system has been installed for wheel washing of coal / ash trucks exited from the plant to control the fugitive emission in the haul road.
18. Installation Electronic digital display board at the Plant gate for displaying the environmental monitoring parameters and EHS awareness propaganda.
19. Conducted Energy Audit by engaging BEE Certified Energy Auditor.
20. Conducted performance evaluation study of all pollution control equipment by engaging NIT Rourkela.
21. Installation of 11 nos. of jumbo type water sprinklers at coal yard as an effective dust suppression measure.
22. Engaging vehicle mounted Road Sweeping machine as a part of Housekeeping activity for Control of Fugitive emission along the haul road and internal road network.
23. Installed 55KW **Solar** Power system and is synchronized with existing GRID system and in operation.
24. Established Energy Management System for Pollution Control Equipment and Energy consumption data has been stored in a Centralized platform.
25. Provision of Concreted Truck Parking facility at Ash Silo area.
26. Developed 2 wheeler parking area with concrete floor
27. Engaged NIT Rourkela for Ash Compliance Audit.
28. Upgradation of Main Plant Instrument Air Compressor for reduction in Energy consumption
29. Replacement of existing Guard Pond Pumps for reduction in Energy consumption.
30. Upgradation of CT Fan Blades with epoxy glass FRP Fan blades for reduction in Energy consumption
31. Overhauling of BFP ARC valves for reduction in Energy consumption

PART-H

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

Tata Steel Limited, Power Plant Athagarh is regularly monitoring of ambient air quality, stack emission, noise level and water quality in and around the plant premises. Monitoring parameters are meeting the permissible limits prescribed by MoEF & CC/ CPCB / SPCB. Further we have installed 4 nos. of CAAQMS, 2 nos. CEMS & 1 no. of EQMS for continuous monitoring of ambient air quality, stack emission and water quality parameters; and are being transmitted to SPCB/CPCB servers.

PART-I

MISCELLANEOUS:

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

The part – I of any Environmental Statement report is perhaps the best scale to measure various parameters of the plans, target, achievements and Power Plant Athagarh (PPA) has made sincere efforts to visualize the general environmental scenario and implemented plan for the associated improvements. Some highlights are mentioned as below:

1. Four (04) nos. of Continuous Ambient Air Quality Monitoring Stations (CAAQMS), Two (02) Continuous Emission Monitoring System (CEMS) in flues of two stacks and 1 EQMS (Effluent Quality monitoring Station) are installed; online data from CAAQMS, CEMS & EQMS are being transmitted to SPCB/ CPCB servers.
2. A laboratory has been established at Plant site for regular sampling and analysis of required operational parameters of coal & water quality.

List of pollution control equipment/ facilities available at TSL, PPA are as follows:

Sl. No.	Plant activities	Pollution control measures
1	Coal yard	Installation of 2 nos. of high efficient mist canons
2	Coal yard	Provision of Concreted Garland drain
3	Coal yard	Installation of 11 nos. jumbo type water sprinklers
4	Coal handling system	Installation of Dust suppression system at Ground Hopper
5	Coal handling area	Coal settling pit/ Coal run off system
	Coal handling area	Installation of Auto samplers (Coal sample collection)
6	Coal bunker/ secondary crusher house	Dust extraction system (3 nos.) with Bag filter
7	Dry Fog System	24 nos. of DFS Nozzles are provided in CHP transfer points
8	Boilers (Dust control)	2 nos. of Electrostatic Precipitator of 12 fields in each
9	Boilers (Emission dispersion)	130 mt high stack
10	DM Plant	Neutralization pit
11	Cooling tower blow down & regeneration waste	Effluent Treatment Plant (ETP)/ Oil water separator / Guard Pond
12	Domestic Effluent	Sewage Treatment Plant (STP)
13	Ash storage Silos	Bag Filters and Conditioners in each Silo
14	Fly ash & Bottom ash disposal	Ash Dyke, Road making, Brick & Cement making

ENVIRONMENTAL STATEMENT REPORT FOR 2025-26
TATA STEEL LIMITED, POWER PLANT ATHAGARH, ANANTAPUR



15	Vehicle movement along the roads	Road Sweeping machine
16	Coal & Ash transportation on Haul road	02 nos. Mechanized wheel washing system
17	Ash Silo area	Conditioners, DF system, Concreted parking area

MISCELLANEOUS

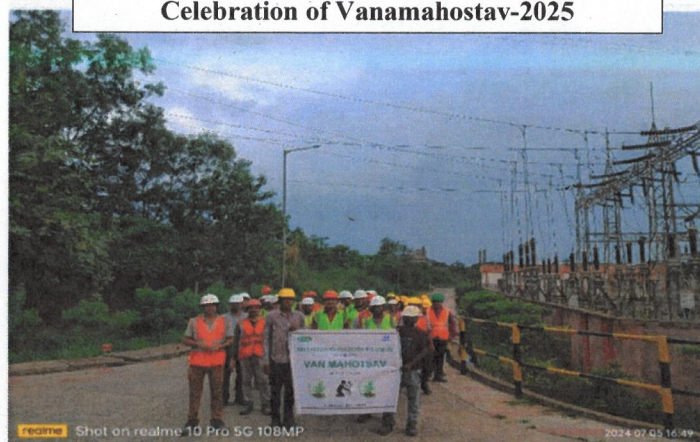
Any other particulars in respect of environmental protection and abatement of pollution.

The programs like World Environment Day, World Ozone Day & Van Mahotsav was observed at Plant and Cuttack with great enthusiasm to create awareness among the Employees, Spouses, Employees Kids. 7996 plantation has been carried out till 31st March 2026 over an area of 67 acres and achieved 33% of the plant area under green cover. Gap filling with greenbelt development is being carried out. Apart from the above, we have developed a Bio-diversity Park over an area of 5.0 Acres inside the Plant with a provision of rainwater harvesting facility.

Celebration of 53rd World Environment Day



Celebration of Vanamahostav-2025



Celebration of World Ozone Day-2025



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