



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000078481

Submitted Date

26-05-2025

PART A

Company Information

Company Name

The TATA Power Co Ltd, Trombay Thermal Power Station

Application UAN number

0000170245

Address

Trombay Thermal Power Station, Mahul Road Chembur-Mumbai

Plot no

Mahul Road

Taluka

Kurla

Village

Mahul

Capital Investment (In lakhs)

40395

Scale

LSI

City

Mumbai

Pincode

400074

Person Name

A A Bhat

Designation

Chief -Trombay

Telephone Number

02267175104

Fax Number

02267175104

Email

aabhat@tatapower.com

Region

SRO-Mumbai III

Industry Category

Red

Industry Type

R48 Thermal Power Plants

Last Environmental statement submitted online

yes

Consent Number

RED/L.S.I (R48) No:- Format1.0/CAC/UAN No.MPCBCONSENT-0000170245/CR/2307000969

Consent Issue Date

2023-07-17

Consent Valid Upto

2026-08-31

Establishment Year

1956

Date of last environment statement submitted

Aug 21 2024 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

Power Generation

Consent Quantity

1430

Actual Quantity

534

UOM

Mwh

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	4873250.00	1583159.00
Domestic	300.00	187.00
All others	0.00	0.00
Total	5121950.00	1585400.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Condensor Cooling	4873250	1583159.00	CMD
BA+FGD	248400	2054	CMD
STP	275	149	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Power Generation Raw water	0.0443	0.0552	CMD
Power Generation Sea water	132.61	123.43	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Alum	1057	1111	Kg/Annum
HCl, 30 %,	107170	122608	Kg/Annum

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LSHS	1204500	1586.45	MT/A
GAS	876000	241284.39	MT/A
Coal	3066000	1935039.33	MT/A

Part-C

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
Ash Pond Effluent Suspended Solids	0	28	0	100	No variation
Condensor Cooling pH	0	7.20	0	7-9	No variation
DM BOD	0	14.3	0	100	No variation

DM COD	0	44	0	250	No variation
Sewage BOD	0	24	0	100	No variation
Sewage Suspended Solids	0	28	0	100	No variation
Boiler Blowdown oil and Grease	0	0	0	10	No variation
Boiler Blowdown Iron content	0	0.015	0	1	No variation
Boiler Blowdown suspended Solids	0	0	0	100	No variation

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
Unit 5 SPM	0	18	0	100 mg/nm3	No Variation
Unit 5 NOX	0	352	0	600 mg/nm3	No Variation
Unit 5 SO2	0	115	0	200mg/nm3	No Variation
Unit 8 SPM	0	34	0	50mg/nm3	No Variation
Unit 8 NOX	0	247	0	450 mg/nm3	No Variation
Unit 8 SO2	0	206	0	600mg/nm3	No Variation
Unit 7 NOX	0	25	0	150 ppm	No Variation

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	9.47	10.11	MT/A
Other Hazardous Waste	1	1	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
E-waste	26.92	18.8	MT/A
Fly ash	90613.79	63911.57	MT/A
Bottom Ash	9164.75	6996.93	MT/A
Coal Reject	252.79	162	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

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.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	10.11	MT/A	NA
Other Hazardous Waste	1	MT/A	Oil soaked cotton waste

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
E-waste	18.8	MT/A	NA
Metal Scrap	510.66	MT/A	NA

Part-G

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	0	0	0

Part-H

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
EV Vehicle introduced in place of Diesel and petrol vehicle	Tree Plantation, Pipe conveyor for coal transportation, Screw type coal unloader, ESP & FGD in place 0 [0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

8 E V Vehicle introduced in place of Diesel vehicle. 250 Tree Plantation carried out. Cloth Bags distribution to Employees and contract employees. Replacement of plastic water bottle to Glass bottles in meeting rooms. Rainwater harvesting projects commissioned

Name & Designation

Ashish Bhat-Chief Trombay

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000078481

Submitted On:

26-05-2025