



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2024

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000068381

Submitted Date

21-08-2024

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

Mr. Shirish Kamat

Designation

Chief-Trombay Station

Telephone Number

9223513440

Fax Number

9223513440

Email

srkamat@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 26 2023 12:00:00:000AM

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

Product Information

Product Name

Power Generation

Consent Quantity

1430

Actual Quantity

588

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	248400.00	65743.00
Domestic	4873250.00	1871922.00
All others	300.00	187.00
Total	0.00	0.00
	5121950.00	1937852.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Condensor Cooling	4873250	1871922.00	CMD
BA+FGD	248400.00	65743.00	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	0.0467	0.0443	CMD
Power Generation Sea water	141.67	132.61	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	0.770	1.057	MT/A
Sodium Chlorite liquid 30 %	172890	230740	Kg/Annum
HCL, 30 %, Kg	120131	107170	Kg/Annum

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LSHS	1204500	741.590	MT/A
GAS	876000	189001	MT/A
Coal	3066000	2562683	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	26.6	0	100	No variation
Condensor Cooling pH	0	7.21	0	7 to 9	No variation

DM BOD	0	23.9	0	100	No variation
DM COD	0	53.7	0	250	No variation
Sewage BOD	0	20	0	100	No variation
Sewage Suspended Solids	0	27.5	0	100	No variation
Boiler Blowdown oil and Grease	0	0	0	10	No variation
Boiler Blowdown Iron content	0	0.016	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	29	0	100	No variation
Unit 5 NOX	0	277	0	600	No variation
Unit 5 SO2	0	108	0	200	No variation
Unit 8 SPM	0	34	0	50	No variation
Unit 8 NOX	0	254	0	450	No variation
Unit 8 SO2	0	185	0	600	No variation
Unit 7 NOX	0	46	0	150	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	16.7	9.47	MT/A
Other Hazardous Waste	1	0.720	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	10.33	26.92	MT/A
Fly ash	58371.57	90613.79	MT/A
Bottom Ash	10492.83	9164.75	MT/A
Coal Rejects	280.68	252.79	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	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	9.47	MT/A	NA
Other Hazardous Waste	0.720	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	26.92	MT/A	NA
Metal scrap	836.94	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

[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

Shirish Kamat-Chief Trombay

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000068381

Submitted On:

21-08-2024