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	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000081169	02-08-2025

PART A

Company Information

Company Name	***Application UAN number***	
Bhusawal Thermal Power Station	0000186706	
Address		
Deepnagar, Tal-Bhusawal, Dist-Jalgaon		
Plot no	***Taluka***	***Village***
115 to 151	Bhusawal	Deepnagar
Capital Investment (In lakhs)	***Scale***	***City***
748351.39	Large Scale	Bhusawal
Pincode	***Person Name***	***Designation***
425307	Rajesh G. Morale	Chief Engineer (O&M)
Telephone Number	***Fax Number***	***Email***
02582250011	02582250308	envbsl@mahagenco.in
Region	***Industry Category***	***Industry Type***
SRO-Jalgaon	Red	R48 Thermal Power Plants
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format1.0/CAC/UAN No.MPCBCONSENT-0000186706/CR/2403000063	2024-03-01
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2024-12-31	1982	Sep 2 2024 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Electricity	1210	792.474	Mwh

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Fly Ash	1574748.7	1539109	MT/A
Bottom Ash	674892.3	659618	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	16020.00	7108.00
Cooling	74220.00	44998.00
Domestic	3500.00	2722.00
All others	215.00	0.00
Total	93955.00	54828.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
ETP Efluent	16300	8277	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
Electricity	2602	2740	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
Coal	0.805	0.835	MT/MWH

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	7463520	5797987	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		
	Quantity	Concentration	%variation	Standard	Reason
pH (ETP)	0	8.15	WITHIN LIMIT	6.58.5	N.A.
SUSPENDED SOLIDS (ETP)	6.75	23.42	WITHIN LIMIT	100 mg/L	N.A.
BOD (ETP)	8.57	29.75	WITHIN LIMIT	30 mg/L	N.A.
COD (ETP)	30.25	105.00	WITHIN LIMIT	250 mg/L	N.A.

[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		
	Quantity	Concentration	%variation	Standard	Reason
Particular Matter (PM) (U#3)	887	91	WITHIN LIMIT	100 mg/Nm3	N.A.

Sulphur Dioxide (SO2) (U#3)	7463	766	(+)27.67%	600 mg/Nm3	Retiring Unit
Oxides of Nitrogen (NOx) (U#3)	2289	235	WITHIN LIMIT	600 mg/Nm3	N.A.
Particular Matter (PM) (U#4)	1456	45	WITHIN LIMIT	50 mg/Nm3	N.A.
Sulphur Dioxide (SO2) (U#4)	38997	1205	(+)502.50%	200 mg/Nm3	FGD installation in process
Oxides of Nitrogen (NOx) (U#4)	7605	235	WITHIN LIMIT	450 mg/Nm3	N.A.
Particular Matter (PM) (U#5)	1509	47	WITHIN LIMIT	50 mg/Nm3	N.A.
Sulphur Dioxide (SO2) (U#5)	39037	1216	(+)508.00%	200 mg/Nm3	FGD installation in process
Oxides of Nitrogen (NOx) (U#5)	7640	238	WITHIN LIMIT	450 mg/Nm3	N.A.

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	*Total During Previous Financial year*	*Total During Current Financial year*	*UOM*
35.2 Spent ion exchange resin containing toxic metals	2.29	0	MT/A
Other Hazardous Waste	78.64	0	MT/A
5.2 Wastes or residues containing oil	0	30	KL/A

2) From Pollution Control Facilities

Hazardous Waste Type	*Total During Previous Financial year*	*Total During Current Financial year*	*UOM*
35.2 Spent ion exchange resin containing toxic metals	2.29	0	MT/A
Other Hazardous Waste	78.64	0	MT/A
5.2 Wastes or residues containing oil	0	30	KL/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	*Total During Previous Financial year*	*Total During Current Financial year*	*UOM*
Bottom Ash	684781	659618	MT/A
Fly Ash	1597822	1539109	MT/A
Shale & Stones	44411.65	43405.23	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	*Total During Previous Financial year*	*Total During Current Financial year*	*UOM*
Bottom Ash	684781	659618	MT/A
Fly Ash	1597822	1539109	MT/A
Shale & Stones	44411.65	43405.23	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
35.2 Spent ion exchange resin containing toxic metals	0	MT/A	N.A.
Other Hazardous Waste	0	MT/A	N.A.
30.1 Chromium bearing residue and sludge	30	KL/A	N.A.

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Bottom Ash	659618	MT/A	As per Annexure of Bottom Ash
Fly Ash	1539109	MT/A	As per Annexure of Fly Ash
Shale & Stone	43405.23	MT/A	N.A.

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)
ETP Treated Effluent	7989	0	0	0	748351.39	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)
Air Pollution Abatement	Air Pollution	2520.61
Water Pollution Abatement	Water Pollution	1138.48
Hazardous Waste Pollution Abatement	Hazardous Waste	3.24

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Air Pollution Abatement	Air Pollution	2020.69
Water Pollution Abatement	Water Pollution	1265.35
Hazardous Waste Pollution Abatement	Hazardous Waste	3.40

Part-I

Any other particulars for improving the quality of the environment.

Particulars

ETP is designed to recover effluent from factory premises at the rate of 1355 M3/hr. standards of parameters of effluent discharge are generally within prescribed limits.

Name & Designation

Mr. Rajesh G. Morale, Chief Engineer (O&M), Bhusawal Thermal Power Station, Deepnagar.

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000081169

Submitted On:

02-08-2025