Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2026

Unique Application Number	***Submitted Date***
MPCB-ENVIRONMENT_STATEMENT-0000095333	05-08-2026

PART A

Company Information

Company Name	***Application UAN number***	
Bhusawal Thermal Power Station	0000257992	
Address		
O/o Chief Engineer (O&M), Bhusawal TPS, Deepnagar, Tal-Bhusawal, Dist-Jalgaon-425307		
Plot no	***Taluka***	***Village***
115 to 151 and 222 to 310	Bhusawal	Deepnagar
Capital Investment (In lakhs)	***Scale***	***City***
1359979.56	Large Scale	Bhusawal
Pincode	***Person Name***	***Designation***
425307	Mr. Viraj K. Chaudhari	Chief Engineer (O&M)
Telephone Number	***Fax Number***	***Email***
02582250207	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***
no	Format1.0/CAC/UAN No.MPCBCONSENT-0000257992/CR/2603000642	2026-03-09
Consent Valid Upto	***Establishment Year***	***Date of last environment statement submitted***
2026-12-31	1982	Aug 7 2025 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Electricity	1870	1067.35	Mwh

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Fly Ash	1593590	1856712	MT/A
Bottom Ash	682915	795734	MT/A
Gypsum	146000	0	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	19500.00	18126.00
Cooling	128220.00	55932.00
Domestic	4000.00	2880.00
All others	215.00	0.00
Total	151935.00	76938.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	19500	9231	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	2740	2891	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	0.835	0.713	MT/MWH

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	11204040	6666957	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	8.09	Within Limit	6.5 to 8.5	Values ar within limit
TSS (ETP)	1.82	46.42	Within Limit	100 mg/L	Values ar within limit
BOD (ETP)	0.92	23.54	Within LimitWithin Limit	30 mg/L	Values ar within limit
COD (ETP)	3.11	79.58	Within Limit	250 mg/L	Values ar within limit

[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
Particulate Matter (PM) (U#3)	1035	97	Within Limit	100 mg/Nm3	Values ar within limit
Sulphur Dioxide (SO2) (U#3)	8816	826	+37.66	600 mg/Nm3	NA
Oxides of Nitrogen (NOx) (U#3)	2562	240	Within Limit	600 mg/Nm3	Values ar within limit
Particulate Matter (PM) (U#4)	1332	43	Within Limit	50 mg/Nm3	Values ar within limit
Sulphur Dioxide (SO2) (U#4)	36287	1171	+485.5	200 mg/Nm3	NA
Oxides of Nitrogen (NOx) (U#4)	7220	233	Within Limit	450 mg/Nm3	Values ar within limit
Particulate Matter (PM) (U#5)	1330	43	Within Limit	50 mg/Nm3	Values ar within limit
Sulphur Dioxide (SO2) (U#5)	36644	1185	+492.5	200 mg/Nm3	NA
Oxides of Nitrogen (NOx) (U#5)	7143	231	Within Limit	450 mg/Nm3	Values ar within limit
Particulate Matter (PM) (U#6)	994.99	23	Within Limit	30 mg/Nm3	Values ar within limit
Sulphur Dioxide (SO2) (U#6)	50048.98	1157	+1057	100 mg/Nm3	FGD installation is in process
Oxides of Nitrogen (NOx) (U#6)	9127	211	+111	100 mg/Nm3	SCR installation is in process

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.2 Wastes or residues containing oil	30	75	KL/A
Other Hazardous Waste	0	142.860	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.2 Wastes or residues containing oil	30	75	KL/A
Other Hazardous Waste	0	142.860	MT/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	659618	795734	MT/A
Fly Ash	1539109	1856712	MT/A
Shale & Stones	43405.23	58234	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Bottom Ash	659618	795734	MT/A

Fly Ash	1539109	1856712	MT/A
Shale & Stones	43405.23	58234	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
5.2 Wastes or residues containing oil	75	KL/A	NA
Other Hazardous Waste	142.860	MT/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Bottom Ash	795734	MT/A	NA
Fly Ash	1856712	MT/A	NA
Shale & Stones	58231	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)
Effluent Treatment Plant	9059	0	0	0	1100.85	0
Ash Water Recovery	7874	0	0	0	700.33	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	2162.56
Water Pollution Abatement	Water Pollution	526.46
Hazardous Waste Pollution Abatement	Hazardous Waste	46.87

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Air Pollution Abatement	Air Pollution	1827.04

Water Pollution Abatement	Water Pollution	610.06
Hazardous Waste Pollution Abatement	Hazardous Waste	49.21

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 1655 m3/hr. Standards of parameters of effluent discharge are generally within prescribed limits. Ash water recovery system is utilised to reuse water used for ash disposal.

Name & Designation

Mr. Viraj K. Chaudhari, Chief Engineer (O&M), Bhusawal Thermal Power Station, Deepnagar

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000095333

Submitted On:

05-08-2026