



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000054453

Submitted Date

27-06-2023

PART A

Company Information

Company Name

Adani Electricity Mumbai Limited, Adani Dahanu Thermal Power Station (ADTPS)

Application UAN number

0000173520

Address

Adani Dahanu Thermal Power station (ADTPS), Taluka - Dahanu, Dist- Palghar, Pin -401608

Plot no

339

Taluka

Dahanu

Village

Agwan

Capital Investment (In lakhs)

188748.00

Scale

Large

City

Dahanu

Pincode

401608

Person Name

Sanajy V. Patil

Designation

Head (EMG)

Telephone Number

02230386819

Fax Number

02230386999

Email

sanjay.v.patil@adani.com

Region

SRO-Tarapur II

Industry Category

Red

Industry Type

R48 Thermal Power Plants

Last Environmental statement submitted online

yes

Consent Number

BO/CAC-Cell/UAN0000050663/CAC-1812001486

Consent Issue Date

24.12.2018

Consent Valid Upto

31.08.2023

Establishment Year

1995

Date of last environment statement submitted

Aug 3 2022 12:00:00:000AM

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

Product Information

Product Name

Electricity generation

Consent Quantity

4380000

Actual Quantity

3498915

UOM

Mwh

By-product Information

By Product Name

Grinded fine Ash

Consent Quantity

87600

Actual Quantity

0

UOM

Ton/Y

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	1963200	1323562.00
Domestic	1000	703.00
All others	31300	10833.00
Total	1997480	1337003.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily quantity of Trade effluents	1992900	1334384	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 generation	0.0002	0.0002	

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	0.596	0.635	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LDO	4148	282.6	KL/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		
pH	0	7.80	0	5.5-9.0	NA
Suspended Solids	0.508	13.8	0	100	NA
BOD	0.114	3.1	0	30	NA
COD	0.158	4.3	0	250	NA
Oil & Grease	0	0	0	10	NA
TDS	28.1	763	0	2100	NA

[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		
Particulates (Unit-1)	1529.5	55.3	0	100 mg/Nm3	NA

Sulphurdioxide (SO2) (Unit-1)	7793.9	281.8	0	600 mg/Nm3	NA
Oxides of Nitrogen (NOx) (Unit-1)	11511.0	416.2	0	600 mg/Nm3	NA
Mercury (Hg) (Unit-1)	0.083	0.003	0	0.03 mg/Nm3	NA
Particulates (Unit-2)	1558.6	55.3	0	100 mg/Nm3	NA
Sulphurdioxide (SO2) (Unit-2)	8852.0	314.1	0	600 mg/Nm3	NA
Oxides of Nitrogen (NOx) (Unit-2)	11561.2	410.2	0	600 mg/Nm3	NA
Mercury (Hg) (Unit-2)	0.085	0.003	0	0.03 mg/Nm3	NA

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	8610	9030	Ltr/A
5.2 Wastes or residues containing oil	1274	2184	Kg/Annum
15.1 Asbestos-containing residues	820	540	Kg/Annum
Other Hazardous Waste	0	150	Nos./Y
Other Hazardous Waste	0.28	3.3	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
Fly Ash	634391	730999	MT/A
Scrap (metal)	111.5	84.93	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
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5.1 Used or spent oil	9030	Ltr/A	NA
5.2 Wastes or residues containing oil	2184	Kg/Annum	NA
15.1 Asbestos-containing residues	540	Kg/Annum	NA
Other Hazardous Waste	150	Nos./Y	NA (Used batteries)

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Fly ash	730999	MT/A	NA
Scrap (metal)	84.93	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)
0	0	0

[B] Investment Proposed for next Year

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

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Total expenditure on Environment Pollution Control in the FY 22-23 is as -1) O & M of ESP & FGD - 2.62 Crores, 2) O & M of CEMS - 53.02 Lakh 3) O & M of Sewage treatment plant (STP), O & M of CAAQMS & Horticultural Initiatives 5.9 Crs. 4.Total plantation done during the year is 21077 Nos. 5. Vegetation on abundant Ash ponds is completed. We are doing vegetation directly on Ash. This has been done as per condition No.3 of schedule III of MPCB CTO granted on 24.12.2018. No legacy Ash availa

Name & Designation

Sanjay V Patil, Head (EMG)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000054453

Submitted On:

27-06-2023