



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2021

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000033514

Submitted Date

21-07-2021

PART A

Company Information

Company Name

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

Application UAN number

0000050663

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

Jun 25 2020 12:00:00:000AM

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

Red

Product Information

Product Name

Electricity generation

Consent Quantity

4380000 (500 MW)

Actual Quantity

3206118

UOM

Mwh

By-product Information

By Product Name

Grinded fine Ash

Consent Quantity

87600 (240 T/day)

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	1980	1992
Domestic	1963200	1024096
All others	1000	893
Total	31300	9173
	1997480	1036081

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily quantity of Trade effluents	1992900	1033792	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	0.002	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	0.572	0.557	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LDO	4148	294.0	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	NA	7.90	0	5.5-9.0	NA
Suspended Solids	0.663	19.9	0	100	NA
BOD	0.093	2.8	0	30	NA
COD	0.123	3.7	0	250	NA
Oil & Grease	0	0	0	10	NA
TDS	27.9	838.0	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)	633.8	39.6	0	100 mg/Nm3	NA
Sulphurdioxide (SO2) (Unit-1)	2535.2	158.4	0	600 mg/Nm3	NA
Oxides of Nitrogen (NOx) (Unit-1)	5086.3	317.8	0	600 mg/Nm3	NA
Mercury (Hg) (Unit-1)	0.05	0.003	0	0.03 mg/Nm3	NA
Particulates (Unit-2)	1179.2	48.4	0	100 mg/Nm3	NA
Sulphurdioxide (SO2) (Unit-2)	4190.7	172.0	0	600 mg/Nm3	NA
Oxides of Nitrogen (NOx) (Unit-2)	9178.1	376.7	0	600 mg/Nm3	NA
Mercury (Hg) (Unit-2)	0.07	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	11130	15120	Ltr/A
5.2 Wastes or residues containing oil	1260	1440	Kg/Annum
15.1 Asbestos-containing residues	380	440	Kg/Annum
0	12	8	Nos./Y
0	0.56 (E waste Schedule-I)	0.28	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	CMD

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Fly Ash	425076	375348	MT/A
Scrap (metal)	NA	110.31	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	set/month

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	CMD

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	15120	Ltr/A	NA
5.2 Wastes or residues containing oil	1440	Kg/Annum	NA
15.1 Asbestos-containing residues	440	Kg/Annum	NA
0	8	Nos./Y	NA (Used batteries)

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Fly ash	375348	MT/A	NA
Scrap (metal)	110.31	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	NA	NA	NA	NA	NA	NA

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 20-21 is as -1) O & M of ESP - 2.32 Lakh, 2) O & M of FGD- 105.71 Lakh 3) O & M of CEMS - 38.0 Lakh 4) O & M of Sewage treatment plant (STP)- 32.8 Lakh,5) O & M of CAAQMS - 52.41 Lakh 6) Total plantation done during the year is 54124 Nos.

Name & Designation

Sanjay V Patil, Head (EMG)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000033514

Submitted On:

21-07-2021