



Power

Ref: APL/ADTPS/EMG/MOEF/EC/14539

Date: 04/11/2024

To,

Additional Principal Chief Conservator of Forest
Ministry of Environment, Forest & Climate Change
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Line,
Nagpur-440001 (MH).

Sub: Six Monthly Compliance Status report of Environmental Clearance of Dahanu
Thermal Power Plant along with Environmental Monitoring reports– Reg.

Ref: Environmental Clearance letter J-13011/4/2008-IA. II (T) dated 29.03.1989

Dear Sir,


With reference to the above subject, please find enclosed herewith Six-Monthly
Environmental Clearance (EC) compliance status report along with environmental
monitoring results like Ambient Air Quality (CAAQM), Stack Emission, Water Quality, Noise
level, green belt development etc. reports for the period of **April'2024 to
September'2024** in soft (e-mail).

This is for your kind information & record please.

Thanking you

Yours faithfully,

for **Adani Power Limited**


(Sanjay V Patil)

Head – EMG, ADTPS

CC: Member Secretary
Central Pollution control Board
Parivesh Bhavan, East Arjun Nagar
Kendriya Paryavaran Bhawan
New Delhi- 110 032.

Member Secretary,
Maharashtra Pollution Control Board
Kalpataru Point, 2nd – 4th floor, **Mumbai**–22

The Regional Office,
Maharashtra Pollution Control Board
Office Complex Building
Mulund Check Naka, Thane

The Sub Regional Officer,
Maharashtra Pollution Control Board
Sub Regional Office, Tarapur -II

Adani Power Ltd
Adani Corporate House
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Ahmedabad 382 421
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**COMPLIANCE STATUS REPORT
OF
ENVIRONMENTAL CLEARANCE (EC)**

2x250 MW DAHANU THERMAL POWER PLANT

At

**DAHANU, DISTRICT- PALGHAR
MAHARASHTRA**

Submitted to:

**Integrated Regional Office, Nagpur
Ministry of Environment, Forest & Climate Change,
Central Pollution Control Board, New Delhi &
Maharashtra Pollution Control Board, Mumbai, RO office,
Thane, and SRO, Tarapur - II**

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Submitted By:

Environment Management Department

Adani Power Limited

(Formerly known as Adani Electricity Mumbai Limited (AEML))

Dahanu, District Palghar

Maharashtra - 401608

PERIOD: April'2024 - September'2024

CONTENT

Sr. No.	Title	Annexures
1	Introduction	
2	Compliance status of Environment Clearances (EC)	
List of Annexures		
3	Environmental Monitoring Report (Third Party) From April' 2024 – September' 2024 <ul style="list-style-type: none">• Stack Emission Report• Ambient Air Quality Report (CAAQMS)• Water Quality Report• Noise Level Monitoring Report	Annexure – I
4.	Fly Ash Generation & Utilisation data	Annexure – II
5.	FGD operational data	Annexure – III
6.	Green Belt/Plantation Details	Annexure – IV
7.	Environment Statement (FY 2023 -24)	Annexure –V

Introduction

Adani Dahanu Thermal Power Station (ADTPS)

Dahanu Thermal Power Station is one of the finest power generation plants in India, which commenced its commercial operations in 1996. Recognized with innumerable awards, this power plant is known for its distinctive features that set it apart from others in terms of technological innovations, superior performance & continuous sustainability for longer periods.

Land development commenced in 1990.

2. The main plant contract was finalized, and work started in 1991.
3. Unit # 1 got synchronized on 6th Jan 1995 & Unit # 2 synchronized on 29th March 1995
4. Unit # 1 began its commercial operations on 1st July 1995 & Unit # 2 on 1st Jan 1996.

The major raw materials used are Coal, Fuel oil, sweet water & Sea water.

Fuel oil is transported by Oil Tankers up to FOPH.

Raw water (Sweet Water) is drawn from Kawadas Dam (Pump House). Dam which is constructed on Surya River. Which is 30 Km away from DTPS. A pipeline is laid up to Raw water Reservoir for lifting of water.

- ADTPS uses a mix of Indian washed coal & imported low ash coal as fuel.
- The CW systems are equipped with concrete volute pumps to facilitate smooth functioning of cooling water system.
- Complete automatic control & monitoring of turbine and boiler & auxiliaries by Digital Distributed Control, Monitoring & Information system (DDC-MIS).
- The safety of the process is ensured through protection and interlock system such as ATRS (Automatic Turbine Run up) System), FSSS (Furnace Safeguard Supervisory System), Sequence Logic Control System and Closed Loop Control System
- ERP (Enterprise Resource Planning) System (SAP) is used for resource mobilization and efficient plant operation and maintenance management.
- The Adani Dahanu Thermal Power station has one of the tallest Chimneys (275.3 mtrs) in the country for proper emission dispersion. It has an advanced air pollution monitoring system and an integrated management system for Quality, Environment and Occupational Health & Safety in position.

- An Electrostatic precipitator having four passes & six fields with of 99.99% efficiency is used for dust collection from flue gas there by assisting in prevention of Air pollution.
- The highly advanced Supervisory control and Data Acquisition (SCADA) system provides complete centralized control over transmission & distribution.
- Installed Flue Gas Desulphurization (FGD) system for SO₂ removal using sea water. Inlet gas flow is 10, 00,000 Nm³/Hr, having more than 90% efficiency to remove SO₂.
- Dust suppression system & Dust extraction system to minimize air pollution. (fugitive emission)
- To monitor the equipment's performance on-line real-time monitoring of all crucial operational and environmental performance parameters is provided in the control room. Further, stack and ambient air parameters are monitored on-line as well as off-line.
- Installed Environment friendly & Energy efficient Vapour Absorption Machine (VAM) for air conditioning.

Adani Dahanu Thermal Power Plant

Compliance status on Environmental Clearance 500 (2x250) MW Dahanu Thermal Power Plant

EC Vide Letter No. J-13011/24/87-1A (Vol.-II) Dated 29.03.1989.

Sr. No.	Conditions	Compliance Status
(i)	A multi-fuel boiler should be installed in which coal or oil, or gas may be used in any proportion. Efforts should be made to obtain and use gas and LSHS in preference to coal.	Complied. Dahanu Thermal Power Plant is a Coal based Thermal Power Plant.
(ii)	A single multi-flue stack of height not less than 275 mtrs. should be provided.	Complied. Bi-flue stack of height 275.3 meters is provided.
(iii)	Electrostatic Precipitators (ESPs) of not less than 99.5 % efficiency with two additional fields are designed for ash content of 45 % must be provided to keep the particulate emission below the standard stipulated by Central/ State Pollution Control Board or under the environment (Protect Act-1986) whichever are more stringent.	Complied. A highly efficient Electrostatic Precipitator (ESP) with designated efficiency of 99.91% has been installed for each boiler to meet standard norms.
(iv)	Flue gas Desulphurization (FGD) plat with 90% efficiency must be provided in view of the good horticultural / agricultural potential of the area.	Complied. Flue Gas Desulphurization (FGD) with designated efficiency of more than 90% have been installed to meet emission standards as per CPCB & MPCB & MoEF & CC.
(v)	The liquid effluents must be treated to comply with the standards proposed by Central/ State Pollution Control Board or under the environment (Protect Act- 1986) whichever are more stringent.	Complied.
(vi)	The temperature of water going out of the condenser should not exceed 5 degrees centigrade at the point of discharge.	Complied.
(vii)	Continuing monitoring of the stack emissions and ambient air quality will be done at least four different locations. The sites of these stations will be selected in consultation with the state pollution control board taking into consideration wind direction and sensitive areas. Similar monitoring facilities for liquid effluent and costal water may be provided at four locations taking into consideration the discharge point and adding pattern of water.	Complied.
(viii)	Adequate infrastructural facilities may be granted for meeting the emergency situations arising due to fire hazards especially in the fuel (Coal or gas or oil) storage and handling area.	Complied.
(ix)	In order to prevent any deleterious effect in future the State Government has agreed that chemical or other polluting industries will not be allowed to come up in Dahanu Taluka. Having regard to the cultural heritage and horticultural status of the area and for	Noted & followed.

	protection of the ecosystem the state Government has agreed not to allow any organized industrial estate or encourage private industries in Dahanu Taluka. Necessary orders in this regard will be issued by the State Government and communicated to this department.	
(x)	No forest land should be acquired for the main plant or for the colony or for ash disposal.	Complied. No forest land is involved.
(xi)	A green belt of adequate density and width must be created all around the proposed plant.	Complied.
(xii)	Ground water quality in this region will be monitored regularly.	Complied.
(xiii)	The data as supported above should be collected with initial start of work on the project and submitted to state pollution control board every quarter and to this Ministry once in six months.	Complied.
(xiv)	No further expansion of the plant at the site will be permitted.	Noted.
2.	Adequate financial provisions must be provided in the project cost and annual budgets for implementation of the conditions as stipulated above.	Complied
3.	The above conditions may be modified, or the additional ones may be issued, if required, from environmental angle.	Noted & agreed.
4.	The enforcement of the stipulated conditions will, among others be under the provisions of water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Central of Pollution) Act, 1981 and the Environment (Protection) Act, 1986.	Noted & agreed.



ADANI POWER LIMITED
ADANI DAHANU THERMAL POWER STATION
STACK EMISSION FOR APRIL'2024 TO SEPTEMBER'2024


Sr. No.	MONTH / YEAR	TPM mg/Nm ³		SO ₂ mg/Nm ³		NOx mg/Nm ³		
		UNIT # I	UNIT # II	UNIT # I	UNIT # II	UNIT # I	UNIT # II	
		Allowable MPCB LIMITS as per MoEF notification of 7.12.2015						
		100 mg/Nm ³		600 mg/ Nm ³		600 mg/ Nm ³		
		UNIT # I	UNIT # II	UNIT # I	UNIT # II	UNIT # I	UNIT # II	
1.	APRIL'2024	62.1	56.0	429.9	391.6	409.2	427.8	
2.	MAY'2024	60.5	64.1	418.0	392.3	445.7	443.9	
3.	JUNE '2024	58.5	59.8	352.6	326.7	328.3	294.5	
4.	JULY '2024	61.7	60.3	329.2	301.6	355.0	401.2	
5.	AUGUST'2024	62.4	58.4	333.5	294.1	329.7	420.3	
6.	SEPTEMBER'2024	64.3	62.8	308.8	330.2	306.4	438.7	

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Manager (EMG)

**ADANI POWER LIMITED
ADANI DAHANU THERMAL POWER STATION
AAQM AT ASHAGAD FOR APRIL'2024 TO SEPTEMBER'2024**

Sr. No.	MONTH/YEAR	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM 10 (µg/m ³)	PM 2.5 (µg/m ³)
		ALLOWABLE MPCB LIMITS			
		80 (µg/m ³)	80 (µg/m ³)	100 (µg/m ³)	60 (µg/m ³)
1.	APRIL'2024	4.5	14.6	52.5	19.7
2.	MAY'2024	4.5	16.0	58.2	19.7
3.	JUNE '2024	2.8	10.4	33.0	14.2
4.	JULY '2024	4.1	15.1	42.2	17.0
5.	AUGUST'2024	5.3	12.3	34.4	16.6
6.	SEPTEMBER'2024	3.4	14.7	35.3	15.8


Manager (EMG)

**ADANI POWER LIMITED
ADANI DAHANU THERMAL POWER STATION
AAQM AT VANGAON FOR APRIL'2024 TO SEPTEMBER'2024**

Sr. No.	MONTH/YEAR	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM 10 (µg/m ³)	PM 2.5 (µg/m ³)
		ALLOWABLE MPCB LIMITS			
		80 (µg/m ³)	80 (µg/m ³)	100 (µg/m ³)	60 (µg/m ³)
1.	APRIL'2024	7.2	13.9	47.9	19.9
2.	MAY'2024	7.6	12.4	36.3	7.8
3.	JUNE '2024	6.3	11.8	41.3	16.8
4.	JULY '2024	7.8	12.4	43.8	18.4
5.	AUGUST'2024	6.4	18.0	53.5	20.7
6.	SEPTEMBER'2024	6.8	18.2	44.3	19.6

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Manager (EMG)

ADANI POWER LIMITED
ADANI DAHANU THERMAL POWER STATION
AAQM AT KOSBAD FOR APRIL'2024 TO SEPTEMBER'2024

Sr. No.	MONTH/YEAR	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM 10 (µg/m ³)	PM 2.5 (µg/m ³)
		ALLOWABLE MPCB LIMITS			
		80 (µg/m ³)	80 (µg/m ³)	100 (µg/m ³)	60 (µg/m ³)
1.	APRIL'2024	2.5	11.8	31.3	12.7
2.	MAY'2024	4.4	13.8	42.8	18.3
3.	JUNE '2024	3.3	11.7	38.8	18.0
4.	JULY '2024	7.8	16.7	51.9	19.7
5.	AUGUST'2024	3.4	12.9	43.3	17.2
6.	SEPTEMBER'2024	4.8	14.5	42.8	18.6

Fatih
Manager (EMG)

**ADANI POWER LIMITED
ADANI DAHANU THERMAL POWER STATION
CONDENSER COOLING WATER ANALYSIS FOR APRIL'2024 TO SEPTEMBER'2024**

Sr. No.	MONTH/YEAR	ΔT °C BETWEEN INLET & DISCHARGE POINT			pH			FREE CHLORINE (mg/lit)		
		Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.
		ALLOWABLE MPCB LIMITS								
		< 5 °C			6.5 - 8.5			0.5 (mg/lit)		
1.	APRIL'2024	4.5	3.9	4.1	7.79	7.70	7.75	NIL	NIL	NIL
2.	MAY'2024	4.3	4.0	4.1	7.84	7.70	7.75	NIL	NIL	NIL
3.	JUNE '2024	4.3	2.9	3.9	7.85	7.20	7.70	NIL	NIL	NIL
4.	JULY '2024	4.0	2.0	3.3	7.75	7.20	7.70	NIL	NIL	NIL
5.	AUGUST'2024	3.5	2.0	3.9	7.86	7.70	7.80	NIL	NIL	NIL
6.	SEPTEMBER'2024	3.8	2.6	3.4	7.8	7.7	7.76	NIL	NIL	NIL

Fahie
Manager (EMG)

**ADANI POWER LIMITED
ADANI DAHANU THERMAL POWER STATION
ASH POND EFFLUENT ANALYSIS FOR APRIL'2024 TO SEPTEMBER'2024**

Sr. No.	MONTH/YEAR	pH			SUSPENDED SOLIDS (mg/lit)			OIL & GREASE (mg/lit)		
		Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.
		ALLOWABLE MPCB LIMITS								
		6.5 – 9.0			100 mg/lit			20 mg/lit		
		Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.
1.	APRIL'2024	8.03	7.92	7.99	23.0	17.0	18.3	NIL	NIL	NIL
2.	MAY'2024	8.04	7.92	7.99	26.0	22.0	18.0	NIL	NIL	NIL
3.	JUNE '2024	8.03	7.94	7.99	22.0	16.0	19.0	NIL	NIL	NIL
4.	JULY '2024	8.04	7.94	7.99	20.0	14.0	16.5	NIL	NIL	NIL
5.	AUGUST'2024	8.04	7.92	7.99	20.0	14.0	17.0	NIL	NIL	NIL
6.	SEPTEMBER'2024	8.03	7.90	7.98	22.0	12.0	16.5	NIL	NIL	NIL

Katle
Manager (EMG)

**ADANI POWER LIMITED
ADANI DAHANU THERMAL POWER STATION
DOMESTIC EFFLUENT TREATMENT PLANT (PLANT) ANALYSIS FOR APRIL'2024 TO
SEPTEMBER'2024**

Sr. No.	MONTH/YEAR	BOD (mg/lit) 3 days at 27 ^o C			SUSPENDED SOLIDS (mg/lit)			COD (mg/lit)		
		Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.
		ALLOWABLE MPCB LIMITS								
		30 mg/lit			50 mg/lit			100 mg/lit		
		Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.
1.	APRIL'2024	5.5	5.1	5.3	20.0	17.0	18.3	30.0	25.0	27.8
2.	MAY'2024	5.5	5.0	5.2	20.0	14.0	17.3	32.0	25.0	28.3
3.	JUNE '2024	5.5	5.0	5.3	22.0	16.0	19.0	34.0	22.0	26.5
4.	JULY '2024	5.5	5.1	5.3	20.0	15.0	17.3	30.0	22.0	26.5
5.	AUGUST'2024	5.5	5.1	5.3	21.0	18.0	19.5	32.0	25.0	28.3
6.	SEPTEMBER'2024	5.5	5.0	5.2	18.0	15.0	16.5	30.0	25.0	27.5

Fatih
Manager (EMG)

**ADANI POWER LIMITED
ADANI DAHANU THERMAL POWER STATION
DOMESTIC EFFLUENT TREATMENT PLANT (COLONY) ANALYSIS FOR APRIL'2024 TO
SEPTEMBER'2024**

Sr. No.	MONTH/YEAR	BOD (mg/lit) 3 days at 27° C			SUSPENDED SOLIDS (mg/lit)			COD (mg/lit)		
		Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.
		ALLOWABLE MPCB LIMITS								
		30 mg/lit			50 mg/lit			100 mg/lit		
		Max	Min	Avg.	Max	Min	Avg.	Max	Min	Avg.
1.	APRIL'2024	5.1	4.4	4.7	19.0	16.0	17.5	30.0	24.0	27.3
2.	MAY'2024	5.0	4.3	4.7	22.0	15.0	18.8	32.0	22.0	27.0
3.	JUNE '2024	5.0	4.4	4.7	22.0	13.0	18.3	28.0	22.0	25.0
4.	JULY '2024	5.0	4.4	4.7	20.0	16.0	17.8	28.0	22.0	24.8
5.	AUGUST'2024	5.0	4.4	4.7	22.0	14.0	18.5	30.0	27.0	28.5
6.	SEPTEMBER'2024	4.7	4.4	4.5	18.0	12.0	14.3	23.0	20.0	21.5

Katle
Manager (EMG)

**ADANI POWER LIMITED
ADANI DAHANU THERMAL POWER STATION
D.M. PLANT ANALYSIS FOR APRIL'2024 TO SEPTEMBER'2024**

Sr. No	MONTH / YEAR	pH	BOD (mg/lit)	COD (mg/lit)	S.S. (mg/lit)	O & G (mg/lit)	TDS (mg/lit)
		ALLOWABLE MPCB LIMITS					
		5.5 – 9.0	30 mg/lit	250 mg/lit	100 mg/lit	10 mg/lit	2100 mg/lit
1.	APRIL'2024	7.64	4.0	5.1	19.8	NIL	761.0
2.	MAY'2024	7.69	3.7	4.7	35.1	NIL	805.9
3.	JUNE '2024	7.74	3.5	4.7	25.6	NIL	654.0
4.	JULY '2024	7.55	2.9	4.1	24.3	NIL	807.7
5.	AUGUST'2024	7.69	3.6	5.0	26.8	NIL	802.0
6.	SEPTEMBER'2024	7.95	3.0	4.3	25.6	NIL	612.0

Fatih
Manager (EMG)

**ADANI POWER LIMITED
ADANI DAHANU THERMAL POWER STATION
NOISE LEVEL MONITORING FOR APRIL'2024 TO SEPTEMBER'2024**

Sr. No.	MONTH/YEAR	NOISE LEVEL dB (A)		
		ALLOWABLE MPCB LIMITS: DAY/NIGHT – 75/70 dB (A)		
		Maximum	Minimum	Average
1.	APRIL'2024	57/56	45/43	50/48
2.	MAY'2024	59/57	45/43	50/48
3.	JUNE '2024	56/54	43/41	48/46
4.	JULY '2024	56/54	43/41	48/46
5.	AUGUST'2024	57/56	45/44	50/49
6.	SEPTEMBER'2024	51/49	46/43	59/57


Manager (EMG)

**2x250 MW ADANI DAHANU THERMAL POWER STATION
ASH GENERATION & UTILISATION IN TONES**

Month	COAL CONSUMPTION	ASH% OF AS FIRED COAL	MONTHLY ASH GENERATION	MONTHLY ASH UTILISATION	%ASH UTILISED	CATAGORYWISE UTILISATION					
						ASH FOR INHOUSE USE	ASH FROM BUND BY CLAY BRICK MANUFACTURER / RAISING OF BUND HEIGHT / Reclamation of low lying area (Pond Ash)	ASH FOR AGRICULTURE	CEMENT	Waste Managemen nt	OTHERS (As cement mix /based replacement roducts) (Fly Ash)
Apr-2024	189458	38.49	72931	72932	100.00	0	23931	0	0	0	49001
May-2024	204549	39.10	79977	79977	100.00	0	29892	0	0	0	50085
Jun-2024	190009	43.29	82247	82247	100.00	0	41823	0	0	0	40424
Jul-2024	217909	44.36	96663	96663	100.00	0	70786	0	0	0	25877
Aug-2024	217652	44.23	96276	96276	100.00	0	59393	0	0	0	36883
Sep-2024	204264	40.83	83402	83402	100.00	0	40705	0	0	0	42697
Total-->	1223840	41.79	511496	511497	100.00	0	266530	0	0	0	244967

Sankar

adani

Electricity

Ref.: AEML/A-DTPS/EMG/MPCB/FGD/ 13797

Date :-04/05/2024.

The Regional Officer,
Regional Office,
Maharashtra Pollution Control Board,
Office Complex Building,
5th Floor, Mulund Check Naka,
Wagle Estate, Thane-400 604.

Sub:- FGD Operational Data at ADTPS, Dahanu for the month of April 2024.

Dear Sir,

With reference to the above subject, Daily Environmental Performance Monitoring Data of FGD plant of Adani Dahanu TPS for the period of 1st April 2024 to 30th April 2024 is attached for your reference.

Thanking you,

Yours truly,
For Adani Electricity Mumbai Limited

Sanjay V Patil
Head (EMG), ADTPS

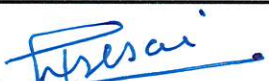
Encl.: As above.

Copy : S.R.O., MPCB - Tarapur

FGD OPERATIONAL PARAMETERS FOR THE MONTH APRIL 2024

Date	SO ₂ Stack outlet (mg/Nm ³) U#1	SO ₂ Stack outlet (mg/Nm ³) U#2	Dissolved oxygen at inlet of SWPH (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#1 (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#2 (mg/L)	pH at inlet of Seawater Pump House	pH at outlet of Oxidation Pond U#1	pH at outlet of Oxidation Pond U#2	Auxilliary Power Main Plant(%)	Auxilliary Power FGD(%)	Running Hrs of FGD for U#1	Running Hrs of FGD for U#2	Remark
1-Apr-24	377.52	500.34	6.24	6.68	6.72	8.11	6.65	6.60	8.59	1.20	24.00	24.00	* Note: a) Unit-2 under shutdown from 18/04/2024 10.15 hrs to 20/04/2024 15.56 hrs due to Boiler Tube Leakage. b) Unit-1 under shutdown from 23/04/2024 01.10 hrs to 24/04/2024 21.02 hrs due to Boiler Tube Leakage.
2-Apr-24	410.88	519.78	6.18	6.67	6.64	8.12	6.68	6.67	8.42	1.19	24.00	24.00	
3-Apr-24	444.56	514.30	6.26	6.65	6.69	8.14	6.64	6.71	8.32	1.14	24.00	24.00	
4-Apr-24	439.92	515.47	6.19	6.72	6.61	8.12	6.66	6.70	8.15	1.08	24.00	24.00	
5-Apr-24	467.53	498.21	6.15	6.68	6.58	8.16	6.67	6.60	8.12	1.07	24.00	24.00	
6-Apr-24	460.87	465.22	6.22	6.71	6.73	8.07	6.65	6.67	8.20	1.10	24.00	24.00	
7-Apr-24	383.19	455.50	6.28	6.74	6.66	8.08	6.57	6.68	8.56	1.20	24.00	24.00	
8-Apr-24	367.41	471.34	6.21	6.66	6.58	8.13	6.59	6.62	8.47	1.20	24.00	24.00	
9-Apr-24	413.98	435.37	6.16	6.61	6.69	8.11	6.66	6.58	8.76	1.31	24.00	24.00	
10-Apr-24	462.45	438.27	6.20	6.59	6.62	8.06	6.70	6.61	8.63	1.25	24.00	24.00	
11-Apr-24	397.40	372.15	6.23	6.72	6.74	8.14	6.68	6.64	9.39	1.45	24.00	24.00	
12-Apr-24	384.09	381.67	6.15	6.64	6.65	8.07	6.64	6.72	9.35	1.44	24.00	24.00	
13-Apr-24	365.71	375.75	6.27	6.60	6.72	8.14	6.72	6.65	9.23	1.42	24.00	24.00	
14-Apr-24	426.03	409.06	6.12	6.63	6.56	8.14	6.62	6.61	8.82	1.28	24.00	24.00	
15-Apr-24	485.42	496.33	6.23	6.72	6.63	8.11	6.63	6.70	8.47	1.17	24.00	23.38	
16-Apr-24	400.19	402.92	6.19	6.68	6.68	8.14	6.58	6.69	8.64	1.23	24.00	24.00	
17-Apr-24	412.51	427.46	6.25	6.70	6.56	8.08	6.69	6.62	8.62	1.23	24.00	24.00	
18-Apr-24	428.91	432.59	6.31	6.67	6.70	8.17	6.61	6.73	9.36	1.40	24.00	10.87	
19-Apr-24	444.92	SD	6.26	6.58	SD	8.18	6.72	SD	10.19	1.44	24.00	SD	
20-Apr-24	434.89	368.82	6.14	6.64	6.81	8.09	6.56	6.61	10.03	1.49	24.00	8.07	
21-Apr-24	402.09	359.11	6.25	6.69	6.64	8.05	6.60	6.67	9.04	1.34	24.00	24.00	
22-Apr-24	481.95	414.13	6.16	6.67	6.72	8.22	6.65	6.69	8.42	1.18	24.00	24.00	
23-Apr-24	496.85	459.85	6.20	6.73	6.59	8.15	6.62	6.66	11.04	1.27	1.17	24.00	
24-Apr-24	498.04	412.25	6.22	6.71	6.60	8.11	6.71	6.69	9.85	1.15	2.97	24.00	
25-Apr-24	497.45	484.85	6.15	6.63	6.67	8.13	6.70	6.72	8.24	1.09	24.00	24.00	
26-Apr-24	503.96	469.49	6.24	6.58	6.73	8.09	6.72	6.69	8.41	1.09	24.00	24.00	
27-Apr-24	454.80	445.63	6.32	6.62	6.65	7.98	6.62	6.71	8.34	1.11	24.00	24.00	
28-Apr-24	420.62	453.96	6.20	6.69	6.69	8.24	6.69	6.65	8.37	1.14	24.00	24.00	
29-Apr-24	446.86	475.31	6.18	6.63	6.61	8.16	6.68	6.71	8.17	1.06	24.00	24.00	
30-Apr-24	439.05	480.87	6.32	6.69	6.73	8.22	6.73	6.70	8.32	1.11	24.00	24.00	

Note : Unit of Stack SO₂ values are in compliance with MoEF and CC notification dated 17/12/2015 and MPCB CTO condition.

Checked by 

Reviewed by 

Ref.: AEML/A-DTPS/EMG/MPCB/FGD/3892

Date :-05/06/2024.

The Regional Officer,
Regional Office,
Maharashtra Pollution Control Board,
Office Complex Building,
5th Floor, Mulund Check Naka,
Wagle Estate, Thane-400 604.

Sub:- FGD Operational Data at ADTPS, Dahanu for the month of May 2024.

Dear Sir,

With reference to the above subject, Daily Environmental Performance Monitoring Data of FGD plant of Adani Dahanu TPS for the period of 1st May 2024 to 31st May 2024 is attached for your reference.

Thanking you,

Yours truly,
For Adani Electricity Mumbai Limited



Sanjay V Patil
Head (EMG), ADTPS

Encl.: As above.

Copy : S.R.O., MPCB - Tarapur

FGD OPERATIONAL PARAMETERS FOR THE MONTH MAY 2024

Date	SO ₂ Stack outlet (mg/Nm ³) U#1	SO ₂ Stack outlet (mg/Nm ³) U#2	Dissolved oxygen at inlet of SWPH (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#1 (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#2 (mg/L)	pH at inlet of Seawater Pump House	pH at outlet of Oxidation Pond U#1	pH at outlet of Oxidation Pond U#2	Auxilliary Power Main Plant(%)	Auxilliary Power FGD(%)	Running Hrs of FGD for U#1	Running Hrs of FGD for U#2	Remark
1-May-24	384.19	395.29	6.16	6.71	6.57	8.20	6.68	6.67	8.70	1.21	24.00	24.00	* Note: a) Unit # 2 outage from 04/05/2024 19.05 hrs to 06/05/2024 11.56 hrs due to Boiler Tube Leakage. b) Unit # 1 outage from 13/05/2024 10.38 hrs to 15/05/2024 12.20 hrs due to Boiler Tube Leakage
2-May-24	187.79	439.98	6.21	6.68	6.62	7.98	6.65	6.62	8.48	1.19	24.00	24.00	
3-May-24	305.91	440.94	6.11	6.71	6.69	8.11	6.63	6.71	8.70	1.17	24.00	24.00	
4-May-24	483.17	504.68	6.20	6.65	6.66	8.16	6.68	6.71	8.91	1.30	24.00	19.08	
5-May-24	498.14	SD	6.18	6.67	SD	8.12	6.73	SD	11.06	1.49	24.00	SD	
6-May-24	459.87	473.86	6.24	6.61	6.60	8.14	6.62	6.68	9.52	1.43	24.00	12.07	
7-May-24	431.79	387.86	6.13	6.65	6.61	8.17	6.71	6.66	8.81	1.27	24.00	24.00	
8-May-24	496.91	409.44	6.17	6.60	6.59	8.06	6.64	6.69	8.39	1.15	24.00	24.00	
9-May-24	501.23	386.30	6.25	6.62	6.58	8.16	6.56	6.65	8.39	1.15	24.00	24.00	
10-May-24	482.91	341.79	6.16	6.57	6.66	8.22	6.61	6.68	8.29	1.11	24.00	24.00	
11-May-24	414.58	308.03	6.17	6.72	6.60	8.17	6.68	6.66	8.80	1.12	24.00	24.00	
12-May-24	447.74	335.95	6.25	6.62	6.62	8.04	6.64	6.61	8.58	1.21	24.00	24.00	
13-May-24	460.42	323.16	6.16	6.69	6.67	8.12	6.62	6.65	10.29	1.46	10.63	24.00	
14-May-24	SD	314.04	6.18	SD	6.58	8.17	SD	6.62	10.91	1.27	SD	24.00	
15-May-24	581.25	334.20	6.27	6.63	6.64	8.10	6.72	6.62	9.03	1.25	11.67	24.00	
16-May-24	529.65	339.05	6.20	6.61	6.68	8.12	6.66	6.64	8.32	1.13	24.00	24.00	
17-May-24	538.43	416.29	6.14	6.70	6.71	8.11	6.63	6.70	8.31	1.05	23.00	23.00	
18-May-24	499.79	348.05	6.23	6.62	6.71	8.20	6.60	6.64	8.37	1.05	24.00	24.00	
19-May-24	436.83	275.43	6.17	6.64	6.65	8.14	6.63	6.66	8.93	1.23	24.00	24.00	
20-May-24	441.27	267.70	6.21	6.68	6.55	8.16	6.65	6.72	8.92	1.22	24.00	24.00	
21-May-24	474.32	319.92	6.17	6.71	6.56	8.12	6.69	6.62	8.41	1.09	24.00	24.00	
22-May-24	487.89	279.31	6.16	6.65	6.61	8.19	6.64	6.59	8.44	1.06	24.00	24.00	
23-May-24	503.40	291.30	6.18	6.68	6.60	8.12	6.65	6.61	8.62	1.14	24.00	24.00	
24-May-24	482.41	365.04	6.22	6.60	6.58	8.21	6.71	6.63	8.46	1.07	24.00	24.00	
25-May-24	442.96	360.69	6.15	6.62	6.64	8.13	6.67	6.74	8.82	1.14	24.00	24.00	
26-May-24	377.92	443.16	6.18	6.63	6.57	8.12	6.65	6.62	8.96	1.21	24.00	24.00	
27-May-24	383.24	403.76	6.17	6.72	6.60	8.11	6.64	6.69	9.03	1.22	24.00	24.00	
28-May-24	416.51	383.24	6.19	6.71	6.63	8.09	6.65	6.63	8.75	1.17	24.00	24.00	
29-May-24	440.50	287.49	6.20	6.62	6.73	8.06	6.57	6.56	8.71	1.14	24.00	24.00	
30-May-24	466.81	264.83	6.24	6.70	6.67	8.16	6.61	6.64	8.44	1.14	24.00	24.00	
31-May-24	448.86	262.79	6.21	6.69	6.60	8.03	6.67	6.61	8.57	1.07	24.00	24.00	

Note : Unit of Stack SO₂ values are in compliance with MoEF and CC notification dated 17/12/2015 and MPCB CTO condition.

Checked by 

Reviewed by 

Ref.: AEML/ADTPS/EMG/MPCB/FGD/24-25 /3998

Date: 03/07/2024

The Regional Officer,
Regional Office,
Maharashtra Pollution Control Board,
Office Complex Building,
5th Floor, Mulund Check Naka,
Wagle Estate, Thane-400 604.


Sub: - FGD Operational Data at ADTPS, Dahanu for the month of June 2024

Dear Sir,

With reference to the above subject, Daily Environmental Performance Monitoring Data of FGD plant of Dahanu TPS for the period of 1st June 2024 to 30th June 2024 is attached for your reference.

Thanking you,

Yours truly,
For Adani Electricity Mumbai Limited


Sanjay V Patil
Head (EMG), ADTPS

Encl.: As above.

Copy: 1. MS, MPCB – Mumbai
2 S.R.O., MPCB - Tarapur

FGD OPERATIONAL PARAMETERS FOR THE MONTH JUNE 2024

Date	SO ₂ Stack outlet (mg/Nm ³) U#1	SO ₂ Stack outlet (mg/Nm ³) U#2	Dissolved oxygen at inlet of SWPH (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#1 (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#2 (mg/L)	pH at inlet of Seawater Pump House	pH at outlet of Oxidation Pond U#1	pH at outlet of Oxidation Pond U#2	Auxilliary Power Main Plant(%)	Auxilliary Power FGD(%)	Running Hrs of FGD for U#1	Running Hrs of FGD for U#2	Remark
1-Jun-24	487.85	241.78	6.18	6.61	6.58	8.03	6.59	6.65	8.51	1.09	24.00	24.00	* Note: a) Unit # 2 under shutdown from 04/06/2024 16:57 hrs to 07/06/2024 09:06 hrs due to Boiler Tube Leakage b) Unit # 1 under shutdown from 14/06/2024 10:16 hrs to 19/06/2024 06:40 hrs due to Boiler Tube Leakage. c) Unit # 2 FGD under maintenance from 15/06/2024 14:30 hrs to 15/06/2024 19:45 hrs for SWP-1 Dummy removal work. d) Unit # 2 FGD under maintenance from 24/06/2024 00:48 hrs to 28/06/2024 19:45 hrs for to attend booster fan vibration on higher side. e) Unit # 1 FGD under maintenance from 27/06/2024 09:24 hrs to 27/06/2024 16:30 hrs for SWP-1 Dummy removal work.
2-Jun-24	450.23	232.17	6.23	6.67	6.61	8.08	6.61	6.63	8.62	1.10	24.00	24.00	
3-Jun-24	477.59	379.15	6.22	6.59	6.66	8.12	6.68	6.74	8.49	1.07	24.00	24.00	
4-Jun-24	464.77	309.01	6.26	6.65	6.59	8.09	6.73	6.69	9.08	1.20	24.00	16.97	
5-Jun-24	466.12	SD	6.15	6.60	SD	8.15	6.72	SD	10.86	1.21	24.00	SD	
6-Jun-24	456.79	SD	6.20	6.70	SD	8.14	6.65	SD	10.72	1.25	24.00	SD	
7-Jun-24	472.83	383.95	6.19	6.72	6.79	8.16	6.59	6.56	9.03	1.20	24.00	16.23	
8-Jun-24	450.18	411.30	6.27	6.66	6.67	8.12	6.70	6.57	8.69	1.14	24.00	24.00	
9-Jun-24	401.50	352.85	6.18	6.64	6.64	8.11	6.67	6.71	8.96	1.25	24.00	24.00	
10-Jun-24	400.59	359.14	6.22	6.58	6.65	8.16	6.61	6.75	9.17	1.27	24.00	24.00	
11-Jun-24	473.24	421.12	6.14	6.66	6.72	8.05	6.64	6.73	8.72	1.18	24.00	24.00	
12-Jun-24	396.61	439.50	6.21	6.72	6.62	8.07	6.69	6.69	8.97	1.26	24.00	24.00	
13-Jun-24	443.90	460.96	6.15	6.69	6.68	8.13	6.62	6.67	9.00	1.25	24.00	24.00	
14-Jun-24	418.65	443.71	6.23	6.58	6.63	8.19	6.59	6.69	10.77	1.44	10.27	24.00	
15-Jun-24	SD	345.46	6.15	SD	6.55	8.08	SD	6.57	10.66	1.01	SD	18.75	
16-Jun-24	SD	329.18	6.20	SD	6.64	8.07	SD	6.60	10.80	1.29	SD	24.00	
17-Jun-24	SD	334.95	6.26	SD	6.66	8.14	SD	6.63	10.43	1.14	SD	24.00	
18-Jun-24	SD	310.33	6.17	SD	6.67	8.20	SD	6.57	11.37	1.24	SD	24.00	
19-Jun-24	378.33	241.28	6.19	6.74	6.59	8.10	6.68	6.71	10.06	1.38	17.33	24.00	
20-Jun-24	356.97	211.55	6.26	6.57	6.62	8.11	6.63	6.61	9.66	1.34	24.00	24.00	
21-Jun-24	396.02	264.91	6.18	6.66	6.66	8.19	6.64	6.70	9.00	1.18	24.00	24.00	
22-Jun-24	433.61	270.61	6.22	6.65	6.61	8.09	6.67	6.62	8.46	1.06	24.00	24.00	
23-Jun-24	421.34	318.82	6.20	6.70	6.64	8.13	6.66	6.71	8.66	1.14	24.00	24.00	
24-Jun-24	485.56	354.97	6.16	6.69	6.57	8.09	6.73	6.68	8.53	0.70	24.00	0.80	
25-Jun-24	467.98	SD	6.18	6.57	SD	8.15	6.58	SD	8.56	0.66	24.00	SD	
26-Jun-24	529.45	SD	6.21	6.73	SD	8.11	6.59	SD	8.50	0.66	24.00	SD	
27-Jun-24	450.08	SD	6.28	6.54	SD	8.21	6.68	SD	9.03	0.56	16.90	SD	
28-Jun-24	431.62	389.78	6.14	6.60	6.62	8.15	6.63	6.73	8.97	0.82	24.00	4.25	
29-Jun-24	345.26	412.19	6.26	6.71	6.60	8.03	6.66	6.72	8.74	1.25	24.00	24.00	
30-Jun-24	343.92	444.29	6.17	6.62	6.69	7.90	6.64	6.61	9.73	1.50	24.00	24.00	

Note : Unit of Stack SO₂ values are in compliance with MoEF and CC notification dated 17/12/2015 and MPCB CTO condition.

Checked by

Reviewed by

Ref.: AEML/A-DTPS/EMG/MPCB/FGD/ 4128

Date :-03/08/2024.

The Regional Officer,
Regional Office,
Maharashtra Pollution Control Board,
Office Complex Building,
5th Floor, Mulund Check Naka,
Wagle Estate, Thane-400 604.

Sub:- FGD Operational Data at ADTPS, Dahanu for the month of July 2024.

Dear Sir,

With reference to the above subject, Daily Environmental Performance Monitoring Data of FGD plant of Adani Dahanu TPS for the period of 1st July 2024 to 31st July 2024 is attached for your reference.

Thanking you,

Yours truly,
For Adani Electricity Mumbai Limited



Sanjay V Patil
Head (EMG), ADTPS

Encl.: As above.


Copy : S.R.O., MPCB - Tarapur

FGD OPERATIONAL PARAMETERS FOR THE MONTH JULY 2024

Date	SO ₂ Stack outlet (mg/Nm ³) U#1	SO ₂ Stack outlet (mg/Nm ³) U#2	Dissolved oxygen at inlet of SWPH (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#1 (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#2 (mg/L)	pH at inlet of Seawater Pump House	pH at outlet of Oxidation Pond U#1	pH at outlet of Oxidation Pond U#2	Auxilliary Power Main Plant(%)	Auxilliary Power FGD(%)	Running Hrs of FGD for U#1	Running Hrs of FGD for U#2	Remark
1-Jul-24	404.90	405.68	6.19	6.63	6.60	8.13	6.64	6.61	9.53	1.52	24.00	24.00	NOTE: a) Unit-2 under shutdown from 19/07/2024 23.01 hrs to 24/07/2024 16.36 due to Boiler Tube Leakage
2-Jul-24	423.15	439.04	6.16	6.66	6.63	8.12	6.63	6.64	9.28	1.37	24.00	24.00	
3-Jul-24	495.08	455.37	6.23	6.59	6.59	8.15	6.59	6.66	8.51	1.17	24.00	24.00	
4-Jul-24	520.30	415.36	6.20	6.64	6.61	8.18	6.65	6.68	8.36	1.07	24.00	24.00	
5-Jul-24	336.41	274.81	6.18	6.66	6.59	8.10	6.60	6.58	8.90	1.20	24.00	24.00	
6-Jul-24	417.53	384.22	6.19	6.63	6.62	8.07	6.68	6.63	9.13	1.35	24.00	24.00	
7-Jul-24	400.93	356.54	6.23	6.64	6.58	8.06	6.65	6.61	9.07	1.37	24.00	24.00	
8-Jul-24	435.53	414.42	6.16	6.70	6.62	8.05	6.61	6.65	8.71	1.26	24.00	24.00	
9-Jul-24	414.68	391.43	6.22	6.59	6.58	8.13	6.67	6.68	8.20	1.23	24.00	24.00	
10-Jul-24	395.00	377.32	6.18	6.56	6.63	8.10	6.66	6.69	8.72	1.21	24.00	24.00	
11-Jul-24	449.90	436.28	6.24	6.63	6.64	8.12	6.58	6.66	8.72	1.21	24.00	24.00	
12-Jul-24	409.49	378.37	6.22	6.65	6.57	8.15	6.67	6.70	9.35	1.35	24.00	24.00	
13-Jul-24	356.26	306.47	6.20	6.66	6.60	8.14	6.63	6.62	9.32	1.36	24.00	24.00	
14-Jul-24	377.89	353.89	6.21	6.63	6.66	8.13	6.71	6.67	9.09	1.28	24.00	24.00	
15-Jul-24	416.19	420.88	6.20	6.61	6.65	8.12	6.59	6.64	8.65	1.14	24.00	24.00	
16-Jul-24	430.13	427.57	6.17	6.67	6.61	8.11	6.67	6.71	9.26	1.35	24.00	24.00	
17-Jul-24	365.72	358.63	6.15	6.69	6.64	8.05	6.65	6.62	9.35	1.33	24.00	24.00	
18-Jul-24	422.94	386.18	6.17	6.66	6.67	8.14	6.72	6.67	8.98	1.25	24.00	24.00	
19-Jul-24	276.43	265.04	6.16	6.65	6.65	8.09	6.61	6.64	9.14	1.37	24.00	23.02	
20-Jul-24	319.41	SD	6.18	6.71	SD	8.12	6.66	SD	11.46	1.55	24.00	SD	
21-Jul-24	431.22	SD	6.21	6.62	SD	8.09	6.63	SD	11.03	1.56	24.00	SD	
22-Jul-24	400.10	SD	6.17	6.63	SD	8.10	6.61	SD	10.04	1.38	24.00	SD	
23-Jul-24	429.95	SD	6.19	6.66	SD	8.13	6.70	SD	10.76	1.50	24.00	SD	
24-Jul-24	409.32	396.63	6.21	6.65	6.61	8.18	6.68	6.65	10.55	1.35	24.00	7.40	
25-Jul-24	372.96	328.94	6.17	6.71	6.61	8.10	6.59	6.60	9.61	1.45	24.00	24.00	
26-Jul-24	394.34	286.14	6.18	6.66	6.68	8.12	6.72	6.66	9.69	1.47	24.00	24.00	
27-Jul-24	416.60	318.27	6.21	6.64	6.66	8.07	6.60	6.68	9.77	1.49	24.00	24.00	
28-Jul-24	487.21	402.54	6.16	6.67	6.64	8.11	6.61	6.70	8.69	1.19	24.00	24.00	
29-Jul-24	470.25	293.88	6.20	6.63	6.65	8.14	6.65	6.63	8.58	1.18	24.00	24.00	
30-Jul-24	521.60	291.22	6.16	6.68	6.66	8.09	6.63	6.69	8.33	1.13	24.00	24.00	
31-Jul-24	474.84	274.97	6.20	6.60	6.69	8.10	6.62	6.66	8.55	1.18	24.00	24.00	

Note : Unit of Stack SO₂ values are in compliance with MoEF and CC notification dated 07/12/2015 and MPCB CTO condition.

Checked by 

Reviewed by 

Ref.: AEML/A-DTPS/EMG/MPCB/FGD/ 14248

Date :-04/09/2024.

The Regional Officer,
Regional Office,
Maharashtra Pollution Control Board,
Office Complex Building,
5th Floor, Mulund Check Naka,
Wagle Estate, Thane-400 604.

Sub:- FGD Operational Data at ADTPS, Dahanu for the month of August 2024.

Dear Sir,

With reference to the above subject, Daily Environmental Performance Monitoring Data of FGD plant of Adani Dahanu TPS for the period of 1st August 2024 to 31st August 2024 is attached for your reference.

Thanking you,

Yours truly,
For Adani Electricity Mumbai Limited



Sanjay V Patil
Head (EMG), ADTPS

Encl.: As above.

Copy : S.R.O., MPCB - Tarapur

FGD OPERATIONAL PARAMETERS FOR THE MONTH AUGUST 2024

Date	SO ₂ Stack outlet (mg/Nm ³) U#1	SO ₂ Stack outlet (mg/Nm ³) U#2	Dissolved oxygen at inlet of SWPH (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#1 (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#2 (mg/L)	pH at inlet of Seawater Pump House	pH at outlet of Oxidation Pond U#1	pH at outlet of Oxidation Pond U#2	Auxilliary Power Main Plant(%)	Auxilliary Power FGD(%)	Running Hrs of FGD for U#1	Running Hrs of FGD for U#2	Remark
1-Aug-24	335.83	161.24	6.29	6.62	6.65	8.06	6.61	6.61	11.63	1.59	24.00	24.00	** Note: a) Unit-1 under shutdown from 03/08/2024 15:57:00 hrs to 03/08/2024 17:17:00 hrs due to tripping on flame failure. b) Unit-1 FGD under shutdown from 22/08/2024 07:40:00 hrs to 22/08/2024 13:45:00 hrs for SWP-1 dummy removal work. c) Unit-2 FGD under shutdown from 22/08/2024 08:10:00 hrs to 22/08/2024 15:50:00 hrs for SWP-1 dummy removal work.
2-Aug-24	338.20	157.27	6.16	6.71	6.70	8.12	6.72	6.64	12.00	1.68	24.00	24.00	
3-Aug-24	363.53	200.34	6.21	6.66	6.62	8.07	6.61	6.69	12.32	1.68	22.67	24.00	
4-Aug-24	296.54	197.56	6.17	6.59	6.64	8.09	6.58	6.62	12.08	1.73	24.00	24.00	
5-Aug-24	282.17	198.36	6.27	6.63	6.67	8.12	6.64	6.60	12.10	1.81	24.00	24.00	
6-Aug-24	310.19	254.42	6.20	6.65	6.73	8.21	6.71	6.72	12.22	1.86	24.00	24.00	
7-Aug-24	344.91	221.26	6.18	6.72	6.64	8.14	6.66	6.68	12.25	1.78	24.00	24.00	
8-Aug-24	351.27	195.73	6.23	6.66	6.62	8.01	6.62	6.67	12.36	1.76	24.00	24.00	
9-Aug-24	340.40	183.38	6.28	6.69	6.65	8.12	6.69	6.62	12.22	1.71	24.00	24.00	
10-Aug-24	352.06	190.47	6.23	6.62	6.66	7.98	6.70	6.69	12.27	1.70	24.00	24.00	
11-Aug-24	307.30	171.72	6.18	6.67	6.59	8.11	6.72	6.63	12.39	1.70	24.00	24.00	
12-Aug-24	316.73	178.46	6.16	6.68	6.64	8.16	6.66	6.62	12.22	1.70	24.00	24.00	
13-Aug-24	333.17	171.52	6.21	6.59	6.66	8.12	6.67	6.72	12.94	1.60	24.00	24.00	
14-Aug-24	350.96	216.63	6.19	6.71	6.68	8.08	6.60	6.70	12.23	1.50	24.00	24.00	
15-Aug-24	408.10	314.30	6.20	6.69	6.70	8.03	6.59	6.64	10.86	1.38	24.00	24.00	
16-Aug-24	406.90	316.50	6.22	6.71	6.66	8.10	6.69	6.70	10.65	1.38	24.00	24.00	
17-Aug-24	421.87	318.47	6.23	6.61	6.70	8.00	6.67	6.60	10.61	1.37	24.00	24.00	
18-Aug-24	350.65	286.24	6.25	6.69	6.64	8.01	6.58	6.61	11.32	1.56	24.00	24.00	
19-Aug-24	324.32	318.42	6.15	6.71	6.71	8.02	6.72	6.71	10.94	1.44	24.00	24.00	
20-Aug-24	431.88	356.80	6.20	6.73	6.72	8.05	6.64	6.65	10.37	1.33	24.00	24.00	
21-Aug-24	314.33	272.49	6.26	6.60	6.66	8.07	6.66	6.60	10.27	1.31	24.00	24.00	
22-Aug-24	436.91	321.55	6.19	6.69	6.64	7.96	6.59	6.62	9.84	0.95	17.92	16.33	
23-Aug-24	332.07	239.64	6.20	6.64	6.63	7.98	6.59	6.66	11.83	1.64	24.00	24.00	
24-Aug-24	328.83	253.11	6.29	6.60	6.65	8.04	6.60	6.69	11.80	1.54	24.00	24.00	
25-Aug-24	319.16	250.83	6.17	6.62	6.67	8.06	6.61	6.62	11.96	1.50	24.00	24.00	
26-Aug-24	337.74	265.58	6.16	6.66	6.64	8.01	6.57	6.72	11.63	1.44	24.00	24.00	
27-Aug-24	363.86	255.30	6.30	6.70	6.63	7.97	6.64	6.63	11.64	1.45	24.00	24.00	
28-Aug-24	387.69	285.30	6.18	6.62	6.70	7.94	6.62	6.71	11.38	1.39	24.00	24.00	
29-Aug-24	394.35	301.87	6.27	6.66	6.71	7.98	6.65	6.65	11.32	1.36	24.00	24.00	
30-Aug-24	371.27	308.61	6.20	6.64	6.64	8.08	6.64	6.68	10.88	1.28	24.00	24.00	
31-Aug-24	384.86	324.33	6.17	6.67	6.62	8.06	6.61	6.70	10.22	1.17	24.00	24.00	

Note : Unit of Stack SO₂ values are in compliance with MoEF and CC notification dated 07/12/2015 and MPCB CTO condition.

Checked by 

Reviewed by 

Ref.: AEML/A-DTPS/EMG/MPCB/FGD/4331

Date :-04/10/2024.

The Regional Officer,
Regional Office,
Maharashtra Pollution Control Board,
Office Complex Building,
5th Floor, Mulund Check Naka,
Wagle Estate, Thane-400 604.

Sub:- FGD Operational Data at ADTPS, Dahanu for the month of September 2024.

Dear Sir,

With reference to the above subject, Daily Environmental Performance Monitoring Data of FGD plant of Adani Dahanu TPS for the period of 1st September 2024 to 30th September 2024 is attached for your reference.

Thanking you,

Yours truly,
For Adani Electricity Mumbai Limited



Sanjay V Patil
Head (EMG), ADTPS

Encl.: As above.

Copy : S.R.O., MPCB - Tarapur

FGD OPERATIONAL PARAMETERS FOR THE MONTH SEPTEMBER 2024

Date	SO ₂ Stack outlet (mg/Nm ³) U#1	SO ₂ Stack outlet (mg/Nm ³) U#2	Dissolved oxygen at inlet of SWPH (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#1 (mg/L)	Dissolved oxygen at outlet of oxidation Pond U#2 (mg/L)	pH at inlet of Seawater Pump House	pH at outlet of Oxidation Pond U#1	pH at outlet of Oxidation Pond U#2	Auxilliary Power Main Plant(%)	Auxilliary Power FGD(%)	Running Hrs of FGD for U#1	Running Hrs of FGD for U#2	Remark
1-Sep-24	399.65	333.01	6.13	6.61	6.67	7.96	6.56	6.57	8.62	1.04	24.00	24.00	* Note: a) Unit-1 FGD taken out between 02/09/2024 08.10 hrs - 02/09/2024 12.05 hrs to facilitate SWP-1 Dummy removal. b) Unit-2 FGD taken out between 02/09/2024 08.20 hrs - 02/09/2024 12.15 hrs to facilitate SWP-1 Dummy removal. c) Unit-2 FGD under shutdown from 18/09/2024 00.00 hrs to 21/09/2024 17.40 hrs due to Booster fan vibration on higher side.
2-Sep-24	336.39	273.30	6.16	6.63	6.62	7.92	6.66	6.63	9.87	1.17	20.08	20.08	
3-Sep-24	400.58	312.26	6.24	6.71	6.65	7.96	6.57	6.59	9.05	1.18	24.00	24.00	
4-Sep-24	369.77	311.32	6.19	6.63	6.56	7.99	6.61	6.68	9.27	1.22	24.00	24.00	
5-Sep-24	343.11	310.37	6.13	6.58	6.62	8.12	6.66	6.74	10.09	1.39	24.00	24.00	
6-Sep-24	315.94	330.10	6.26	6.65	6.74	8.08	6.71	6.60	9.79	1.33	24.00	24.00	
7-Sep-24	295.07	284.88	6.22	6.72	6.68	8.00	6.57	6.56	10.29	1.47	24.00	24.00	
8-Sep-24	277.14	277.73	6.18	6.66	6.72	8.16	6.60	6.72	10.25	1.45	24.00	24.00	
9-Sep-24	352.23	314.80	6.23	6.59	6.62	8.12	6.67	6.57	9.50	1.26	24.00	24.00	
10-Sep-24	354.07	331.54	6.14	6.68	6.64	7.96	6.72	6.67	9.87	1.32	24.00	24.00	
11-Sep-24	445.27	381.03	6.24	6.73	6.56	8.05	6.56	6.61	9.34	1.21	24.00	24.00	
12-Sep-24	461.32	369.89	6.27	6.58	6.62	8.08	6.62	6.72	9.48	1.26	24.00	24.00	
13-Sep-24	386.38	325.23	6.19	6.56	6.66	8.16	6.58	6.58	9.96	1.34	24.00	24.00	
14-Sep-24	427.19	352.37	6.14	6.63	6.57	7.94	6.65	6.63	9.64	1.25	24.00	24.00	
15-Sep-24	404.54	339.89	6.26	6.57	6.73	7.98	6.73	6.58	9.71	1.34	24.00	24.00	
16-Sep-24	419.36	381.37	6.17	6.65	6.71	7.96	6.66	6.64	9.32	1.21	24.00	24.00	
17-Sep-24	410.47	296.68	6.14	6.72	6.62	7.93	6.74	6.73	9.79	1.33	24.00	24.00	
18-Sep-24	426.51	SD	6.24	6.60	SD	8.04	6.57	SD	9.51	0.82	24.00	SD	
19-Sep-24	354.24	SD	6.20	6.56	SD	8.16	6.73	SD	8.81	0.67	24.00	SD	
20-Sep-24	390.98	SD	6.14	6.61	SD	8.12	6.68	SD	8.79	0.68	24.00	SD	
21-Sep-24	401.04	399.87	6.26	6.68	6.60	8.08	6.58	6.70	8.80	0.79	24.00	6.33	
22-Sep-24	377.14	342.23	6.23	6.74	6.68	7.98	6.62	6.62	9.08	1.19	24.00	24.00	
23-Sep-24	407.13	399.42	6.17	6.64	6.63	7.96	6.73	6.58	8.56	1.02	24.00	24.00	
24-Sep-24	460.84	399.12	6.21	6.70	6.74	8.02	6.57	6.71	8.62	1.04	24.00	24.00	
25-Sep-24	394.25	315.98	6.27	6.57	6.68	8.13	6.66	6.63	8.96	1.16	24.00	24.00	
26-Sep-24	317.61	237.39	6.15	6.64	6.57	8.04	6.58	6.60	9.61	1.30	24.00	24.00	
27-Sep-24	312.52	191.70	6.26	6.59	6.61	8.14	6.63	6.57	10.28	1.50	24.00	24.00	
28-Sep-24	317.18	231.34	6.19	6.62	6.58	8.08	6.67	6.62	9.67	1.36	24.00	24.00	
29-Sep-24	282.70	215.74	6.23	6.69	6.64	7.96	6.74	6.68	10.27	1.51	24.00	24.00	
30-Sep-24	312.67	239.57	6.16	6.74	6.71	8.03	6.62	6.59	9.20	1.20	24.00	24.00	

Note : Unit of Stack SO₂ values are in compliance with MoEF and CC notification dated 17/12/2015 and MPCB CTO condition.

Checked by 

Reviewed by 

ADTPS Plantation 2024-25

Target				30000
Month	Trees / Palm	Mangroves	Ornamental Saplings	Total Nos.
Apr-24	0	0	0	0
May-24	0	0		0
Jun-24	2500	0		2500
Jul-24	750	0		750
Aug-24	1756	375000		376756
Sep-24	0	0		0
Oct-24				
Nov-24				
Dec-24				
Jan-25				
Feb-25				
Mar-25				
Total		375000	0	380006



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

ANNEXURE - V

FORM V

(See Rule 14)

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

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000066775

Submitted Date

29-06-2024

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)

199837.00

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

2023-08-22

Consent Valid Upto

2028-08-31

Establishment Year

1995

Date of last environment statement submitted

Jun 27 2023 12:00:00:000AM

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

Product Information

Product Name

Electricity generation

Consent Quantity

4380000

Actual Quantity

3248487

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	1980	1942.00
Domestic	1963200	1284735.00
All others	1000	745.00
Total	31300	12147.00
	1997480	1299569.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily quantity of Trade effluents	1992900	1298385	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	0.635	0.663	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
LDO	4148	568.1	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	7.66	0	5.5-9.0	NA
Suspended Solids	0.863	22.6	0	100	NA
BOD	0.130	3.4	0	30	NA
COD	0.176	4.6	0	250	NA
Oil & Grease	0	0	0	10	NA
TDS	31.9	834	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)	1603.2	59.5	0	100 mg/Nm3	NA

Sulphurdioxide (SO2) (Unit-1)	8643.6	320.8	0	600 mg/Nm3	NA
Oxides of Nitrogen (NOx) (Unit-1)	11090.2	411.6	0	600 mg/Nm3	NA
Mercury (Hg) (Unit-1)	0.081	0.003	0	0.03 mg/Nm3	NA
Particulates (Unit-2)	1599.5	59.5	0	100 mg/Nm3	NA
Sulphurdioxide (SO2) (Unit-2)	9685.6	360.3	0	600 mg/Nm3	NA
Oxides of Nitrogen (NOx) (Unit-2)	11121.1	413.7	0	600 mg/Nm3	NA
Mercury (Hg) (Unit-2)	0.081	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	9030	15330	Ltr/A
5.2 Wastes or residues containing oil	2184	1440	Kg/Annum
15.1 Asbestos-containing residues	540	720	Kg/Annum

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	730999	810862	MT/A
Scrap (metal)	84.93	285.9	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	15330	Ltr/A	NA
5.2 Wastes or residues containing oil	1440	Kg/Annum	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Fly ash	810862	MT/A	NA
Scrap (metal)	285.9	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)
Stack emission & effluent analyzers	Monitor air quality	1157580

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Procurement & refurbishment of pollution control technologies	Monitor air & water quality	1610700

Part-I**Any other particulars for improving the quality of the environment.****Particulars**

Total expenditure on Environment Pollution Control in the FY 2023 -24 is as -1) O & M of ESP & FGD - 3.80 Crores, 2) O & M of CEMS - 1.74 Crores 3) O & M of Sewage treatment plant (STP), O & M of CAAQMS & Horticultural Initiatives 5.7 Crs. 4.Total plantation done during the year is 457892 Nos.

Name & Designation

Sanjay V Patil, Head (EMG)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000066775

Submitted On:

29-06-2024