

APSEZL/EnvCell/2024-25/056

Date: 02.09.2024

To,

Member Secretary

Gujarat Pollution Control Board

Paryavaran Bhavan,

Sector-10-A, Gandhinagar-382010

Dear Sir,

Sub: Environmental Statement for the financial year ending 31st March, 2024 for **Adani Ports and SEZ Limited (Multi Product SEZ)**.

Ref: 1. AWH – 122250 Date of issue 20.10.2022 Valid till 21.08.2027

With reference to the above-mentioned subject and reference, please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for **M/s Adani Ports and SEZ Limited (Multi Product SEZ), Village & Taluka: Mundra, Dist. Kutch - 370421** for the financial year ending 31st March 2024.

Thanking you,

For **Adani Ports and Special Economic Zone Ltd. (Multi Product SEZ)**



Authorized Signatory

Encl: As above.

5/9/24
Gujarat Pollution Control Board
Head Office
Sector No.-10-A,
Gandhinagar-382010

Copy to: **The Regional Officer, Gujarat Pollution Control Board, Gandhidham.**

Environment Statement for 2023-24 for M/s Adani Ports and SEZ Limited
(Multi Product SEZ)

(PCB ID: 31463)

FORM V
(See Rule 14)

Environmental Statement for the Financial Year ending 31st March 2024

PART – A

- (i) Name and address of the Owner/ Occupier of the Industry Operation or Process : Mr. Sujalkumar Shah
CEO – Mundra & Tuna Port
Adani Ports and SEZ Limited
4th Floor, Adani House,
Mundra, Kutch – 370421.
Ph No. (02838) 255000
- (ii) Industry Category : Red-Large
Primary (STC Code) : NA
Secondary (STC Code) : NA
- (iii) Production Capacity : Multi Product SEZ for 8481.27 Hacters Area:
(Phase-I)
- (iv) Year of Establishment : 2012
- (v) Date of last Environment Statement submitted : 11/09/2023

**Environment Statement for 2023-24 for M/s Adani Ports and SEZ Limited
(Multi Product SEZ)**

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PART – B

Water and Raw Material Consumption

(i) Water Consumption

Water Consumption m³/Day	Average
Process	Nil
*Domestic (Total water)	159.89 m ³ /Day

*Domestic included horticulture/gardening used water. Water consumption data enclosed as **Annexure – 1**.

Name of Products	Process Water Consumption per unit of Product Output	
	During the current financial year (2022-23)	During the current financial year (2023-24)
Multi Product SEZ	Nil	Nil

**** Unit does not go under any manufacturing process, hence there is no any water consumption for industrial purpose. The unit involve for Processing-Non-Processing Zones, Ware Housing Zones, Road & Rail Network (trunk as well as internal), Bridges and Culverts, IT Communications, electric network, effluent collection network, utilities and supporting infrastructure, Three Nos. of Sewage Treatment Plant (150, 175 & 10 KL/Day), Twenty-Eight Nos. of D.G. Sets with various capacity (Cumulative capacity 2730 KVA) airstrip, etc. within Multi Product SEZ. Individual member industries developed within SEZ area has already been granted their individual Consent to Establish and Consent to Operate from SPCB as applicable.**

(ii) Raw Material Consumption

Name of Raw Material*	Name of Products	Consumption of Raw Material per Unit of output	
		During the current financial year (2022-23)	During the current financial year (2023-24)
--	Multi Product SEZ	--	--

* Unit does not go under any manufacturing process. Hence there is no any raw material consumption.

**Environment Statement for 2023-24 for M/s Adani Ports and SEZ Limited
(Multi Product SEZ)**

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PART – C

**Pollutants discharged to Environment/Unit of Output
(Parameters as specified in consent issued)**

Pollutants	Quantity of pollutants discharged (Mass/day)		Concentrations of pollutants in discharges		Percentage of variation from prescribed standards with reasons
	Parameters	Avg. Mass Kg/Day	Parameters	Avg.	
(a) Domestic Waste Water	pH	--	pH	7.32	There is no variation from prescribed standards in terms of quality of wastewater discharge. 1. Three nos. of STP having capacity of 150, 175 & 10 KLD. 2. 58400 KL treated water discharged during April 2023 – March 2024, was utilized for horticulture / greenbelt purpose within premises. 3. Analysis reports of treated water are enclosed as Annexure – 2.
	Total Suspended Solids	2.93	Total Suspended Solids (mg/l)	18.31	
	BOD (5 Days @ 20 °C)	2.52	BOD (5 Days @ 20 °C) (mg/l)	15.72	
	Residual Chlorine	0.12	Residual Chlorine (mg/l)	0.78	
	Fecal Coliform	13.86	Fecal Coliform MPN (INDEX/100 mL)	86.60	
(b) Air (DG Stack 750 KVA & 500 KVA)	Parameters	Avg. Mass Kg/Day	Parameters	Avg	There is no variation from prescribed standards in terms of quality of wastewater discharge. 1. Twenty-Eight Nos. of D.G. Sets with various capacity (Cumulative capacity 2730 KVA) is provided as a standby power source and used during power failure. Analysis reports of stack monitoring are enclosed as Annexure – 2. 2. The ambient air quality monitoring is being done regularly (twice a week) through NABL and MoEF&CC recognized laboratory namely
	Particulate Matter (PM)	0.0071	Particulate Matter (mg/Nm3)	20.38	
	Sulphur Dioxide (SO2)	0.0078	Sulphur Dioxide (PPM)	9.33	
	Nitrogen Oxide (NOx)	0.0185	Nitrogen Oxide (NOx) (PPM)	28.94	

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(Multi Product SEZ)

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					M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. 3. Analysis reports of ambient air quality monitoring are enclosed as Annexure - 2
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Unit does not go under any manufacturing process.

Details of treated water outlet quantity for the year 2023-24 are enclosed as **Annexure - 1.**

PART - D

Hazardous Wastes

(As specified under Hazardous Wastes Management and Handling Rules 2016)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
(a) From Process	Nil	Nil
(b) From Pollution Control facilities	Nil	Nil

***Note: Quantity shown in Annexure - 3 is waste (hazardous as well as non-hazardous) generated as well as disposed from entire Adani Ports and SEZ Limited.**

PART - E

Solid Waste

Solid Waste	Total Quantity Generated (MT/Annum)	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
(a) From Process (Ash)	Nil	Nil
(b) From Pollution Control		

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facilities	Details is Attached as Annexure-3
(C-1) Quantity recycled or reutilized within the unit	
(C-2) Sold	
(C-3) Disposed	

PART - F

Please specify the characterization (in terms of Composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

- "Zero Waste company" initiative by APSEZ i.e. No waste is being sent to landfill or incineration facility @ Adani Ports & SEZ, rather being managed through 5 R principal of waste Management.
- APSEZ has eminent material recovery facility (MRF), having appropriate facility to proper segregate & recover the materials as per set process. Mixed Waste is being segregated via specialized mix waste segregation machine in two forms –Bio and Non bio without manual segregation, where risk to health hazards is minimized. Further waste is segregated in to 16 streams at MRF, which is sent to different end users following 5 R principal. To manage all operation of MRF, APSEZ developed local vendor through his past learnings and employed local women staff mainly to segregate waste.
- Wet Waste is being managed through Organic Waste Composting Facility and Biogas generation.
- Installed 02 no's bio gas plant at Central Kitchen location. This plant is sufficient to manage the food Waste generated from APSEZ area.(700 Kg + 200 kg per day)
- Dry waste and e-waste collection drive is being organized every month within townships to collect municipal solid waste as well as e-waste from households.
- Plastic Free APSEZ Drive-which demonstrate commitment towards elimination of single use plastic
- Plastic free APSEZ Drive:
 - Replacement of conventional plastic garbage collection bag with biodegradable / compostable bags & also Rafia bags (more than 120 µm size) for other waste collection.
 - Conducted Training Awareness Programme with Adani Foundation for Student on "Single Use Plastic Ban" at Zapara & Navinal School dated 4th & 5th May, 2023.
 - Celebrated "International Plastic Bag Free Day" on 3rd July 2023 by conducting the Training Awareness to students at Bhujpur Village, and with Cotton Bag distribution in our residential Colonies.

Environment Statement for 2023-24 for M/s Adani Ports and SEZ Limited **(Multi Product SEZ)**

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- Plastic Waste Collection Drive was conducted on 20th March 2024 at our Old Railway Building, aimed at combating plastic pollution, and fostering environmental sustainability. The drive was continued for full working day and collected approx. 450 kgs of plastic waste from our old Railway Building area.
 - Awareness sessions organized among department and contract workers.
 - Made shop keepers and canteen owners to stop providing plastic carry bags to carry the material.
 - Regular supervision by Team Members at Port Canteens and Shops townships for verification of prohibition of plastic..
 - Defined 3 Levels to achieve single use plastic free APSEZ.
-
- APSEZ has awarded with Zero Waste to Landfill Management System (ZWTL MS 2020) from TÜV Rheinland India Pvt. Ltd.
 - Sludge generated from STP is being utilized as manure for horticulture purpose.
 - SEZ industries are managing their waste as per own standard procedure and following regulatory norms.

Environment Statement for 2023-24 for M/s Adani Ports and SEZ Limited
(Multi Product SEZ)

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PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Energy Savings (APSEZ)

- Installed 8.8 MW roof top solar generating plant at various locations and 22.4 MW (10.4 MW installed in 2023-24) wind generating plant in SEZ in Mundra.
- Installed 8.8 MW roof top solar generating plant at various locations in SEZ in Mundra which is generated nearly 9.06 million units in FY 2023-24 and utilized the renewable source of energy for captive use this reduced the emission of CO₂ by nearly 7427 tCo_{2e}.

Water Conservation:

- Water reducers have been installed in Residence Area and various offices.
- Waterless urinals have been placed in various offices.
- Modifications of flush tank have been added in water system of toilet area in Port User Buildings.
- Recollection of water provided for hydro testing through water.
- Sensor based automatic On/Off pump & Automatic controlled water tap which eliminates the manual Intervention and reduce the water wastage.
- Digitization of Commercial water flow meter and domestic water meters at residential (Samundra) township for real-time monitoring and tracking the water consumption.
- 100% Utilization of treated water for horticulture use
- Following safeguard measures are taken for abatement of dust and noise emissions:
 - ✓ Regular sprinkling on road and other open area
 - ✓ Regular cleaning of roads
 - ✓ D.G. Set having acoustic enclosures
 - ✓ Adequate greenbelt and plantation area

Environment Statement for 2023-24 for M/s Adani Ports and SEZ Limited
(Multi Product SEZ)

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PART - H

Additional measures /investment/ proposal for environmental protection including abatement of pollution, prevention of pollution.

- Treated water from STP is used for gardening and horticulture activity within APSEZ premises to conserve the freshwater consumption.
- Unit has formed dedicated Horticulture department & developing green belt within port premises.
- In SEZ more than 145.88 ha. area is developed as greenbelt with samplings of more than 2.54 Lacs.
- Total mangrove conservation area is 2723 Ha and mangrove afforestation area is 4140 Ha. (250 ha during FY 2023-24).
- In entire APSEZ more than 457.99 ha. area is developed as greenbelt with samplings of more than 9.06 Lacs.
- Following safeguard measures are taken for abatement of dust and noise emissions:
 - ✓ Regular sprinkling on road and other open area
 - ✓ Regular cleaning of roads
 - ✓ Development of greenbelt along the periphery of the storage yards/back up area
 - ✓ D.G. Sets having acoustic enclosures

PART - I

Any other particulars for improving the quality of environment:

- Monitoring of environmental parameters such as Air, Noise, and wastewater quality being done regular basis through MoEF & NABL recognized laboratory (M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi).
- APSEZ Budget for environmental management measures (including horticulture) for the FY 2023-24 is to the tune of INR **1536.48** lakh. Out of which, Approx. INR **1366.281** lakh is spent during the year FY 2023-24. Detailed breakup of the expenditures for the FY 2023-24 is attached as **Annexure - 4**.
- APSEZ is driving paperless office and plastic free drive to eliminate the use of papers and plastic materials to the extent possible within ports, SEZ and residential townships.



Date: 02-09-2024

(Signature of a person carrying out an industry,
operation or process)
Designation: **Head-Environment Cell**

**Environment Statement for 2023-24 for M/s Adani Ports and SEZ Limited
(Multi Product SEZ)**

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ANNEXURE - 1

Water Consumption and Treated Wastewater Details (April'23 to March'24)

Month	Water Consumption (KL)		Treated Water (KL)
	Industrial	Domestic (Included horticulture used water)	Treated Sewage
Apr-23	497	3060	2448
May-23	1591	2876	2301
Jun-23	1794	2999	2399
Jul-23	1836	3601	5971
Aug-23	1730	3689	6076
Sep-23	1811	3211	5492
Oct-23	1954	3469	5637
Nov-23	1571	2981	5245
Dec-23	1746	3165	5272
Jan-24	1786	3224	6125
Feb-24	1778	2994	5394
Mar-24	1771	3388	6040
Total	19865.00	38656.25	58400
Per Month	1655.42	3221.35	4866.67
Per Day	54.28	105.62	159.56

**Environment Statement for 2023-24 for M/s Adani Ports and SEZ Limited
(Multi Product SEZ)**

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**ANNEXURE - 3
Waste Disposal Details, APSEZ, Mundra**

Sr. No.	Waste Description	Disposal Method	Unit	Quantity 2022-23	Quantity 2023-24
Non-Hazardous:					
1.	Dry Waste (Recyclable waste- Metal, Wood, paper, plastic etc.)	Recycle (send to reg. recycler)/ Reuse (Used by Org.)	MT	3779.70	3312.775
2.	RDF (Non- Recyclable)	Co-processing at cement plant	MT	544.17	451.28
3.	STP Sludge	Reprocess (Manure)	MT	11.8	3.0
4.	Organic Waste (included food waste)	Reprocess & Recovery Manure/biogas	MT	897.82	959.35
5.	E-Waste	Recycle (send to reg. recycler)	MT	89.86	44.83
Hazardous:					
1.	Used Oil	Recycle (send to reg. recycler)	MT	131.99	204.86

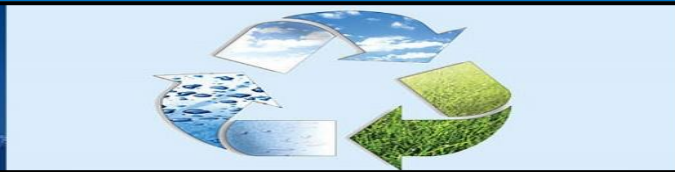
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ANNEXURE - 4

Cost of Environmental Protection Measures of APSEZ, Mundra
F.Y. 2023-24

Sr. No.	Activity	Cost incurred (INR in Lacs)	Budgeted Cost (INR in Lacs)
		2023 - 24	2023 - 24
1.	Environmental Study / Audit and Consultancy	22.67	27
2.	Legal & Statutory Expenses	8.60	13
3.	Environmental Monitoring Services	13.37	19.20
4.	Hazardous / Non-Hazardous Waste Management & Disposal	130.11	148.68
5.	Environment Days Celebration and Advertisement / Business development	3.42	11.50
6.	Treatment and Disposal of Bio-Medical Waste	2.28	2.28
7.	Mangrove Plantation, Monitoring & Conservation	15	15.0
8.	Other Horticulture Expenses	904	904
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	186.94	212.9
10.	Expenditure of Environment Dept. (Apart from above head)	80.39	182.92
Total		1366.78	1536.48



“Half Yearly Environmental Monitoring Reports “

For,
adani
Ports and
Logistics

ANNEXURE - 2

M/S. ADANI PORTS & SEZ Limited.

Notified SEZ area, Tal. – Mundra, Dist. – Kutch – 370421.

Monitoring Period: April - 2023 to September - 2023

Submitted By

UniStar
Environment and Research Labs Pvt. Ltd.

UniStar Environment & Research Labs Pvt. Ltd.

White House, Near GIDC Office, Char Rasta, Vapi, Gujarat, India – 396195



RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	PUB ADANI HOUSE STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Apr-23		May-23		Jun-23			
			10-04-2023	25-04-2023	12-05-2023	29-05-2023	12-06-2023	26-06-2023		
1.	pH @ 25 ° C	--	7.22	7.28	7.15	7.22	7.18	7.26	6.5 to 9	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Total Suspended Solids	mg/L	18	14	12	14	14	12	100	APHA 23 rd Ed.,2017,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	14	15	16	17	15	16	30	APHA 23 rd Ed,2017,5210-B 5-6
4.	Residual chlorine	mg/L	0.84	0.71	0.82	0.88	0.84	0.72	0.5 Min.	APHA 23 rd Ed.,2017,4500-Cl-B
5.	Fecal Coliform	MPN Index/100ml	80	110	170	130	140	110	1000	IS 1622: 1981

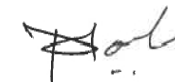
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RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	PUB ADANI HOUSE STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jul-23		Aug-23		Sep-23			
			13-07-2023	25-07-2023	11-08-2023	23-08-2023	12-09-2023	21-09-2023		
1.	pH @ 25 ° C	--	7.48	7.41	7.52	7.48	7.42	7.2	6.5 to 9	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Total Suspended Solids	mg/L	16	18	16	18	22	24	100	APHA 23 rd Ed.,2017,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	17	16	16	15	16	18	30	APHA 23 rd Ed,2017,5210-B 5-6
4.	Residual chlorine	mg/L	0.68	0.64	0.72	0.78	0.88	0.82	0.5 Min.	APHA 23 rd Ed.,2017,4500-CI-B
5.	Fecal Coliform	MPN Index/100ml	70	90	110	90	130	90	1000	IS 1622: 1981



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	North Gate STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Apr-23		May-23		Jun-23			
			10-04-2023	21-04-2023	12-05-2023	30-05-2023	12-06-2023	29-06-2023		
1.	pH @ 25 ° C	--	7.18	7.29	7.35	7.2	7.25	7.33	6.5 to 9	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Total Suspended Solids	mg/L	24	24	18	22	16	16	100	APHA 23 rd Ed.,2017,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	14	14	15	16	13	14	30	APHA 23 rd Ed,2017,5210-B 5-6
4.	Residual chlorine	mg/L	0.64	0.82	0.74	0.76	0.72	0.78	0.5 Min.	APHA 23 rd Ed.,2017,4500-CI-B
5.	Fecal Coliform	MPN Index/100ml	90	110	60	50	30	34	1000	IS 1622: 1981

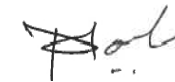
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RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	North Gate STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jul-23		Aug-23		Sep-23			
			13-07-2023	26-07-2023	12-08-2023	23-08-2023	12-09-2023	21-09-2023		
1.	pH @ 25 ° C	--	7.36	7.31	7.41	7.44	7.35	7.22	6.5 to 9	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Total Suspended Solids	mg/L	24	20	16	18	28	24	100	APHA 23 rd Ed.,2017,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	14	15	15	15	14	16	30	APHA 23 rd Ed,2017,5210-B 5-6
4.	Residual chlorine	mg/L	0.66	0.68	0.72	0.64	0.68	0.74	0.5 Min.	APHA 23 rd Ed.,2017,4500-CI-B
5.	Fecal Coliform	MPN Index/100ml	26	17	33	34	23	30	1000	IS 1622: 1981



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

Results of Ambient Air Quality Monitoring

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	03-04-2023	81.59	32.37	12.74	18.52	0.47	--	NOT DETECTED
2.	06-04-2023	72.67	26.17	16.53	24.87	1.00	3.19	NOT DETECTED
3.	10-04-2023	79.71	28.64	11.77	15.14	0.69	3.47	NOT DETECTED
4.	13-04-2023	85.43	31.38	15.94	19.26	0.56	1.63	NOT DETECTED
5.	17-04-2023	74.71	24.15	10.68	14.83	0.45	1.29	NOT DETECTED
6.	20-04-2023	89.12	34.78	18.34	23.18	0.74	4.02	NOT DETECTED
7.	24-04-2023	70.88	25.12	13.28	17.85	0.38	3.27	NOT DETECTED
8.	27-04-2023	76.59	23.37	11.25	15.92	0.49	1.76	NOT DETECTED
9.	01-05-2023	89.16	32.08	14.56	18.34	1.12	2.85	NOT DETECTED
10.	04-05-2023	73.45	36.51	21.13	26.12	0.85	4.16	NOT DETECTED
11.	08-05-2023	86.54	28.12	15.76	19.58	1.00	3.31	NOT DETECTED
12.	11-05-2023	82.61	31.28	20.12	25.74	0.92	5.03	NOT DETECTED
13.	15-05-2023	85.47	38.64	23.12	27.89	1.00	4.58	NOT DETECTED
14.	18-05-2023	82.73	29.24	15.48	21.95	0.95	2.84	NOT DETECTED
15.	22-05-2023	74.91	25.10	12.46	16.32	1.07	2.36	NOT DETECTED

Continue...

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	25-05-2023	69.55	22.47	14.36	17.85	0.90	2.14	NOT DETECTED
17.	29-05-2023	76.82	28.53	11.34	15.62	1.10	3.64	NOT DETECTED
18.	01-06-2023	83.49	34.61	17.32	22.92	1.00	3.70	NOT DETECTED
19.	05-06-2023	86.37	31.79	14.37	17.42	0.95	3.42	NOT DETECTED
20.	08-06-2023	81.94	27.37	12.47	16.33	0.07	3.10	NOT DETECTED
21.	12-06-2023	85.65	29.48	15.89	18.62	0.05	2.68	NOT DETECTED
22.	15-06-2023	72.56	25.14	13.21	17.25	0.02	2.55	NOT DETECTED
23.	19-06-2023	52.12	20.15	10.25	15.23	0.04	3.14	NOT DETECTED
24.	22-06-2023	54.12	17.25	9.25	14.30	0.05	2.36	NOT DETECTED
25.	26-06-2023	48.53	15.23	8.25	12.78	0.02	2.05	NOT DETECTED
26.	29-06-2023	45.25	14.28	7.60	11.21	0.05	2.54	NOT DETECTED
27.	03-07-2023	49.42	18.68	11.42	14.37	NOT DETECTED	--	NOT DETECTED
28.	06-07-2023	54.31	21.63	7.48	10.31	NOT DETECTED	NOT DETECTED	NOT DETECTED
29.	10-07-2023	46.78	17.42	6.30	8.54	NOT DETECTED	NOT DETECTED	NOT DETECTED
30.	13-07-2023	40.32	14.69	5.87	8.13	NOT DETECTED	NOT DETECTED	NOT DETECTED
31.	17-07-2023	43.25	15.74	7.53	12.74	NOT DETECTED	NOT DETECTED	NOT DETECTED

Continue...

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	20-07-2023	51.99	17.53	10.18	13.89	NOT DETECTED	NOT DETECTED	NOT DETECTED
33.	24-07-2023	57.47	21.71	13.52	17.85	NOT DETECTED	NOT DETECTED	NOT DETECTED
34.	27-07-2023	49.74	18.63	11.57	14.38	NOT DETECTED	NOT DETECTED	NOT DETECTED
35.	31-07-2023	55.39	20.95	14.42	18.61	NOT DETECTED	NOT DETECTED	NOT DETECTED
36.	03-08-2023	57.93	22.48	14.23	19.45	NOT DETECTED	NOT DETECTED	NOT DETECTED
37.	07-08-2023	63.67	23.95	16.83	22.49	0.57	1.37	NOT DETECTED
38.	10-08-2023	69.72	25.65	19.70	25.18	0.84	1.95	NOT DETECTED
39.	14-08-2023	76.82	28.10	21.16	27.54	0.96	2.84	NOT DETECTED
40.	17-08-2023	88.54	31.79	18.28	23.93	0.73	3.16	NOT DETECTED
41.	21-08-2023	71.91	34.92	22.57	28.88	1.00	4.73	NOT DETECTED
42.	24-08-2023	76.48	37.63	25.91	31.45	1.13	5.28	NOT DETECTED
43.	28-08-2023	86.54	29.35	20.77	24.14	0.93	3.54	NOT DETECTED
44.	31-08-2023	81.38	26.59	17.24	23.45	0.81	3.12	NOT DETECTED
45.	04-09-2023	67.38	24.75	16.26	20.81	0.63	2.18	NOT DETECTED
46.	07-09-2023	73.26	27.42	18.91	23.74	0.74	2.65	NOT DETECTED
47.	11-09-2023	69.87	25.94	17.43	21.65	0.57	2.38	NOT DETECTED

Continue...

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	14-09-2023	75.13	29.41	20.87	25.36	0.83	3.18	NOT DETECTED
49.	18-09-2023	63.69	21.83	14.27	18.50	0.41	1.86	NOT DETECTED
50.	21-09-2023	68.26	23.71	16.32	20.81	0.59	2.11	NOT DETECTED
51.	25-09-2023	72.47	24.60	17.91	22.53	0.80	2.87	NOT DETECTED
52.	28-09-2023	76.19	26.74	20.45	25.18	0.87	3.41	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part-23	UERL/AIR/SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS - 5182, Part - 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-04-2023	73.28	21.57	12.38	14.83	NOT DETECTED
2.	06-04-2023	78.54	31.48	16.53	19.67	--
3.	10-04-2023	81.48	28.64	11.93	15.36	--
4.	13-04-2023	72.96	23.61	10.48	14.91	--
5.	17-04-2023	85.48	21.32	13.27	16.48	--
6.	20-04-2023	73.18	29.86	15.73	19.82	--
7.	24-04-2023	88.79	26.71	11.46	16.37	--
8.	27-04-2023	76.48	31.37	16.83	21.43	--
9.	01-05-2023	89.53	30.38	14.59	19.66	--
10.	04-05-2023	84.67	27.92	11.57	16.21	--
11.	08-05-2023	71.59	23.42	10.86	13.69	--
12.	11-05-2023	76.31	33.96	18.84	23.46	--
13.	15-05-2023	83.84	28.59	15.17	19.38	--
14.	18-05-2023	88.94	31.27	12.36	16.07	--
15.	22-05-2023	69.28	21.43	10.62	15.16	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	25-05-2023	78.37	26.54	13.67	17.63	--
17.	29-05-2023	82.57	29.88	16.54	22.92	--
18.	01-06-2023	84.28	28.42	15.39	19.63	--
19.	05-06-2023	75.49	25.93	12.76	15.38	--
20.	08-06-2023	81.35	28.13	14.45	17.05	--
21.	12-06-2023	73.64	23.7	11.93	13.56	--
22.	15-06-2023	60.5	22.36	8.25	12.44	--
23.	19-06-2023	50.24	18.54	8.25	11.63	--
24.	22-06-2023	52.36	16.1	7.25	10.25	--
25.	26-06-2023	48.25	14.26	8.25	12.37	--
26.	29-06-2023	45.27	15.23	7.15	11.56	--
27.	03-07-2023	35.37	13.84	6.13	8.45	NOT DETECTED
28.	06-07-2023	42.83	16.32	7.63	11.87	--
29.	10-07-2023	38.39	14.63	6.42	9.53	--
30.	13-07-2023	31.93	11.29	5.47	8.62	--
31.	17-07-2023	40.62	14.56	7.15	10.17	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	20-07-2023	46.31	16.28	7.86	11.69	--
33.	24-07-2023	37.28	13.5	6.42	9.51	--
34.	27-07-2023	44.65	15.33	8.54	12.28	--
35.	31-07-2023	52.82	17.41	9.11	14.52	--
36.	03-08-2023	67.41	22.76	9.53	12.84	--
37.	07-08-2023	72.89	24.13	10.26	14.37	--
38.	10-08-2023	77.53	25.91	11.57	15.74	--
39.	14-08-2023	74.69	23.47	10.41	13.97	--
40.	17-08-2023	81.17	27.58	13.75	17.53	--
41.	21-08-2023	72.55	31.25	16.74	21.45	--
42.	24-08-2023	79.76	33.62	18.74	23.56	--
43.	28-08-2023	81.34	27.21	14.38	18.14	--
44.	31-08-2023	84.64	29.85	15.36	21.41	--
45.	04-09-2023	70.41	24.15	10.58	13.93	--
46.	07-09-2023	75.62	26.74	12.36	15.61	--
47.	11-09-2023	78.93	29.38	14.65	18.27	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	14-09-2023	74.18	25.64	12.81	14.92	--
49.	18-09-2023	65.72	21.28	8.85	11.67	--
50.	21-09-2023	68.61	24.54	10.26	13.68	--
51.	25-09-2023	64.28	20.96	8.12	10.79	--
52.	28-09-2023	70.41	24.22	12.63	15.32	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-04-2023	82.89	37.62	20.13	28.84	NOT DETECTED
2.	06-04-2023	89.64	44.19	27.64	36.26	--
3.	10-04-2023	79.13	38.86	22.61	29.1	--
4.	13-04-2023	81.68	32.79	18.36	14.53	--
5.	17-04-2023	85.54	37.81	24.93	31.58	--
6.	20-04-2023	81.38	39.23	22.47	27.84	--
7.	24-04-2023	89.73	34.57	21.99	26.37	--
8.	27-04-2023	83.56	36.03	25.83	32.44	--
9.	01-05-2023	83.93	39.62	24.19	29.61	--
10.	04-05-2023	88.59	44.38	30.26	36.73	--
11.	08-05-2023	76.61	46.15	34.83	39.68	--
12.	11-05-2023	84.55	41.78	29.45	34.28	--
13.	15-05-2023	87.15	37.28	24.03	29.77	--
14.	18-05-2023	79.36	39.51	27.47	32.58	--
15.	22-05-2023	85.25	36.73	23.58	27.65	--

Continue...

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	25-05-2023	78.16	34.42	21.29	26.35	--
17.	29-05-2023	82.45	38.89	26.43	31.59	--
18.	01-06-2023	85.18	36.24	28.51	33.28	--
19.	05-06-2023	88.36	31.78	25.84	29.63	--
20.	08-06-2023	74.39	33.46	29.37	31.89	--
21.	12-06-2023	85.48	29.75	26.2	30.71	--
22.	15-06-2023	70.25	22.64	18.25	22.23	--
23.	19-06-2023	57.23	20.44	12.5	15.23	--
24.	22-06-2023	51.23	18.25	6.25	10.36	--
25.	26-06-2023	50.24	16.52	7.15	11.54	--
26.	29-06-2023	48.25	15.2	7.54	10.26	--
27.	03-07-2023	45.85	16.37	11.4	14.63	NOT DETECTED
28.	06-07-2023	52.56	18.73	14.59	18.42	--
29.	10-07-2023	43.29	15.88	12.47	16.73	--
30.	13-07-2023	47.89	16.42	15.99	18.41	--
31.	17-07-2023	54.1	19.62	17.11	20.58	--

Continue...

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	20-07-2023	51.58	18.07	15.78	17.35	--
33.	24-07-2023	59.74	20.48	17.34	21.42	--
34.	27-07-2023	62.53	23.16	20.48	23.85	--
35.	31-07-2023	58.69	21.74	16.13	20.88	--
36.	03-08-2023	74.31	28.74	15.48	17.55	--
37.	07-08-2023	70.62	30.12	16.53	19.64	--
38.	10-08-2023	73.58	32.76	18.23	21.38	--
39.	14-08-2023	71.43	29.76	16.89	18.65	--
40.	17-08-2023	74.75	32.17	17.54	20.81	--
41.	21-08-2023	72.47	36.89	19.32	22.56	--
42.	24-08-2023	70.38	38.63	20.74	24.11	--
43.	28-08-2023	73.64	33.22	17.16	19.75	--
44.	31-08-2023	71.2	35.47	19.31	21.49	--
45.	04-09-2023	70.16	32.63	17.41	21.86	--
46.	07-09-2023	73.86	35.87	20.28	24.65	--
47.	11-09-2023	75.91	39.81	24.17	29.52	--

Continue...

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QCI-NABET Accredited EIA & GW Consultant Organization

GPCB Recognized Environmental Auditor (Schedule-II)

ISO 9001 : 2015 Certified Company

ISO 45001 : 2018 Certified Company

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	14-09-2023	72.36	34.25	19.84	23.57	--
49.	18-09-2023	70.63	31.93	16.71	20.66	--
50.	21-09-2023	71.85	30.79	15.3	18.76	--
51.	25-09-2023	73.97	33.47	17.84	21.49	--
52.	28-09-2023	74.76	36.16	20.12	24.65	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-04-2023	88.37	17.56	13.72	21.81	NOT DETECTED
2.	06-04-2023	73.14	19.68	8.47	16.63	--
3.	10-04-2023	87.64	23.79	10.83	22.12	--
4.	13-04-2023	76.98	24.13	9.98	16.46	--
5.	17-04-2023	65.26	18.77	13.45	21.84	--
6.	20-04-2023	71.32	21.58	11.24	19.52	--
7.	24-04-2023	89.73	26.81	14.93	23.79	--
8.	27-04-2023	86.25	19.58	13.45	20.13	--
9.	01-05-2023	89.42	26.18	13.64	19.38	--
10.	04-05-2023	85.27	27.12	16.37	24.61	--
11.	08-05-2023	73.84	22.4	11.59	18.42	--
12.	11-05-2023	79.16	19.67	13.14	20.61	--
13.	15-05-2023	81.36	24.16	17.63	25.58	--
14.	18-05-2023	72.19	21.76	12.98	19.13	--
15.	22-05-2023	86.53	24.78	14.24	22.65	--

Continue...

Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	25-05-2023	75.94	22.35	11.73	17.46	--
17.	29-05-2023	87.27	26.16	15.42	23.69	--
18.	01-06-2023	86.17	28.41	16.24	24.63	--
19.	05-06-2023	83.78	25.85	13.42	21.75	--
20.	08-06-2023	81.58	21.62	12.78	18.46	--
21.	12-06-2023	78.31	17.27	10.89	15.37	--
22.	15-06-2023	51.23	17.85	8.25	12.23	--
23.	19-06-2023	40.23	15.23	7.21	10.15	--
24.	22-06-2023	48.22	16.25	6.25	7.23	--
25.	26-06-2023	45.87	14.22	5.23	8.15	--
26.	29-06-2023	40.56	12.31	5.15	8.12	--
27.	03-07-2023	42.69	13.27	7.47	10.63	NOT DETECTED
28.	06-07-2023	36.81	12.75	5.91	7.47	--
29.	10-07-2023	31.53	11.14	5.24	8.31	--
30.	13-07-2023	39.62	13.99	6.16	10.11	--
31.	17-07-2023	45.17	16.28	8.64	12.87	--

Continue...

Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	20-07-2023	40.32	14.47	7.95	11.77	--
33.	24-07-2023	49.71	17.83	12.61	15.42	--
34.	27-07-2023	44.05	16.38	10.25	14.72	--
35.	31-07-2023	51.76	18.13	14.32	16.57	--
36.	03-08-2023	76.63	20.12	8.18	11.32	--
37.	07-08-2023	81.47	23.54	9.38	13.02	--
38.	10-08-2023	73.29	21.67	9.12	12.64	--
39.	14-08-2023	89.63	27.95	11.43	13.61	--
40.	17-08-2023	82.15	24.63	9.79	11.64	--
41.	21-08-2023	87.25	26.18	8.52	10.46	--
42.	24-08-2023	84.16	23.9	10.53	13.18	--
43.	28-08-2023	79.93	21.24	9.11	11.65	--
44.	31-08-2023	87.63	25.82	11.49	13.78	--
45.	04-09-2023	82.46	21.57	10.35	13.62	--
46.	07-09-2023	85.61	23.24	11.43	14.74	--
47.	11-09-2023	87.19	26.43	13.72	15.93	--

Continue...

Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	14-09-2023	83.61	20.38	10.22	14.58	--
49.	18-09-2023	71.38	15.79	7.31	10.76	--
50.	21-09-2023	77.43	18.28	9.57	12.28	--
51.	25-09-2023	73.65	16.4	8.26	10.77	--
52.	28-09-2023	80.11	19.53	9.75	13.12	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-04-2023	88.37	21.83	15.91	21.71	NOT DETECTED
2.	06-04-2023	68.57	19.99	11.83	16.78	--
3.	10-04-2023	89.83	26.78	17.15	24.62	--
4.	13-04-2023	78.42	23.86	13.57	17.35	--
5.	17-04-2023	82.18	34.24	18.36	25.89	--
6.	20-04-2023	72.47	28.58	14.1	20.71	--
7.	24-04-2023	83.66	29.82	17.36	23.59	--
8.	27-04-2023	79.85	22.83	10.92	16.26	--
9.	01-05-2023	74.37	24.68	13.35	17.49	--
10.	04-05-2023	83.28	21.47	15.23	22.64	--
11.	08-05-2023	87.73	28.61	12.18	16.39	--
12.	11-05-2023	76.29	25.46	10.93	14.78	--
13.	15-05-2023	84.81	31.38	14.51	19.78	--
14.	18-05-2023	73.35	24.79	11.28	16.37	--
15.	22-05-2023	86.24	32.73	16.49	24.58	--

Continue...

Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	25-05-2023	68.46	27.19	14.77	21.26	--
17.	29-05-2023	79.57	30.61	17.38	23.79	--
18.	01-06-2023	82.48	27.65	16.24	20.12	--
19.	05-06-2023	86.73	30.12	17.41	22.73	--
20.	08-06-2023	79.52	26.49	14.38	16.26	--
21.	12-06-2023	73.19	23.37	11.98	14.23	--
22.	15-06-2023	53.26	21.31	9.25	13.05	--
23.	19-06-2023	45.21	15.95	8.44	11.23	--
24.	22-06-2023	50.34	14.12	7.36	8.25	--
25.	26-06-2023	47.82	13.21	7.12	9.15	--
26.	29-06-2023	42.35	13.55	6.18	9.23	--
27.	03-07-2023	50.61	18.37	11.14	14.62	NOT DETECTED
28.	06-07-2023	44.78	15.56	9.85	11.42	--
29.	10-07-2023	41.35	14.84	7.79	9.63	--
30.	13-07-2023	35.93	12.07	7.12	9.42	--
31.	17-07-2023	39.26	13.51	8.63	10.17	--

Continue...

Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	20-07-2023	46.74	16.28	10.31	13.01	--
33.	24-07-2023	51.12	18.53	11.26	14.43	--
34.	27-07-2023	42.49	15.3	8.64	10.17	--
35.	31-07-2023	53.67	17.92	10.97	12.55	--
36.	03-08-2023	61.48	21.88	10.27	13.75	--
37.	07-08-2023	74.82	24.58	12.54	15.38	--
38.	10-08-2023	68.48	22.65	10.19	12.96	--
39.	14-08-2023	72.91	23.65	12.52	15.12	--
40.	17-08-2023	77.26	25.75	15.83	18.65	--
41.	21-08-2023	81.43	28.11	17.42	21.53	--
42.	24-08-2023	85.51	29.72	16.84	20.76	--
43.	28-08-2023	76.46	25.57	13.26	17.61	--
44.	31-08-2023	79.12	27.28	14.53	16.15	--
45.	04-09-2023	74.37	23.15	12.43	14.78	--
46.	07-09-2023	77.51	24.74	13.58	16.46	--
47.	11-09-2023	81.13	27.41	15.32	18.23	--

Continue...

Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	14-09-2023	79.54	25.35	13.18	15.36	--
49.	18-09-2023	61.38	18.57	9.36	11.93	--
50.	21-09-2023	68.54	21.83	11.34	14.72	--
51.	25-09-2023	63.78	19.61	10.83	13.27	--
52.	28-09-2023	71.37	22.26	12.42	14.91	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	03-04-2023	89.84	35.63	23.58	28.73	0.09
2.	06-04-2023	75.48	26.16	13.35	19.63	NOT DETECTED
3.	10-04-2023	87.57	36.38	19.85	24.74	1.12
4.	13-04-2023	83.16	31.92	15.26	21.88	0.08
5.	17-04-2023	88.27	28.31	18.46	26.14	0.07
6.	20-04-2023	72.14	25.84	13.29	17.15	NOT DETECTED
7.	24-04-2023	81.65	28.51	21.89	25.52	0.08
8.	27-04-2023	87.86	32.47	22.53	28.13	1
9.	01-05-2023	81.46	39.24	22.46	25.31	0.09
10.	04-05-2023	84.38	33.68	17.37	20.92	1.17
11.	08-05-2023	78.17	37.82	21.79	25.63	1
12.	11-05-2023	87.84	33.68	19.74	21.62	0.07
13.	15-05-2023	74.13	30.61	15.33	18.26	0.05
14.	18-05-2023	68.83	27.47	17.83	23.54	0.15
15.	22-05-2023	78.55	32.18	20.75	25.81	0.92

Continue...

Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	25-05-2023	72.38	25.53	18.25	21.67	1
17.	29-05-2023	80.02	31.49	21.72	24.62	1.12
18.	01-06-2023	89.61	36.26	20.73	24.16	0.1
19.	05-06-2023	85.43	32.89	17.54	21.38	0.08
20.	08-06-2023	78.1	27.47	14.69	17.42	0.1
21.	12-06-2023	83.32	31.41	18.83	23.35	0.05
22.	15-06-2023	62.15	20.21	17.52	21.84	0.03
23.	19-06-2023	50.23	18.5	11.84	16.23	0.02
24.	22-06-2023	48.44	15.23	7.25	11.2	0.05
25.	26-06-2023	45.21	14.2	7.4	10.36	0.02
26.	29-06-2023	44.23	13.87	6.85	10.25	0.05
27.	03-07-2023	47.19	19.53	10.46	13.89	NOT DETECTED
28.	06-07-2023	56.73	22.64	12.42	16.58	NOT DETECTED
29.	10-07-2023	45.39	19.25	9.63	12.56	NOT DETECTED
30.	13-07-2023	41.47	17.11	8.62	10.65	NOT DETECTED
31.	17-07-2023	50.61	20.48	10.54	14.32	NOT DETECTED

Continue...

Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	20-07-2023	43.83	18.51	9.88	12.54	NOT DETECTED
33.	24-07-2023	47.99	18.78	10.64	14.29	NOT DETECTED
34.	27-07-2023	53.15	20.21	13.52	17.69	NOT DETECTED
35.	31-07-2023	56.72	22.54	15.76	19.42	NOT DETECTED
36.	03-08-2023	52.76	20.37	10.24	15.99	0.04
37.	07-08-2023	57.43	22.56	12.53	17.11	0.05
38.	10-08-2023	63.98	23.71	14.76	18.58	0.07
39.	14-08-2023	70.14	25.68	15.96	23.53	0.08
40.	17-08-2023	67.62	23.02	13.51	17.54	0.05
41.	21-08-2023	74.92	26.59	16.47	21.72	0.07
42.	24-08-2023	81.56	28.31	17.48	24.65	0.1
43.	28-08-2023	78.23	27.42	15.31	22.49	0.08
44.	31-08-2023	72.75	25.54	14.68	19.84	0.05
45.	04-09-2023	69.79	24.26	14.29	17.31	0.02
46.	07-09-2023	73.51	26.83	15.84	18.1	0.04
47.	11-09-2023	75.36	27.63	17.11	20.75	0.03

Continue...

Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	14-09-2023	81.16	29.79	20.51	23.28	0.06
49.	18-09-2023	62.85	22.4	13.65	16.49	NOT DETECTED
50.	21-09-2023	65.36	24.81	14.38	17.65	NOT DETECTED
51.	25-09-2023	70.49	25.68	15.39	18.91	0.02
52.	28-09-2023	73.56	27.41	17.85	20.52	0.03
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		PUB / Adani House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		03-04-2023	01-05-2023	01-06-2023	03-07-2023	03-08-2023	04-09-2023
1	06:00 to 07:00	67.5	61.9	61.3	62.5	60.5	62.8
2	07:00 to 08:00	63.2	63.5	63.5	60.9	62.7	63.9
3	08:00 to 09:00	67.4	66.1	66.7	63.2	64.1	65.3
4	09:00 to 10:00	64.8	67.8	67.5	67.4	65.4	63.7
5	10:00 to 11:00	65.3	62.4	68.6	65.2	68.4	63.1
6	11:00 to 12:00	69.1	65.4	61.5	68.9	67.3	64.7
7	12:00 to 13:00	67.4	63.9	66.4	64.8	63.2	66.1
8	13:00 to 14:00	66.9	64.5	68.9	62.3	62.3	63.7
9	14:00 to 15:00	68.4	64.3	66.7	68.6	65.8	64.6
10	15:00 to 16:00	65.7	65.8	67.1	61.2	60.3	62.8
11	16:00 to 17:00	62.7	69.4	68.5	67.2	64.3	64.1
12	17:00 to 18:00	65.9	65.4	68.5	65.5	66.7	65.3
13	18:00 to 19:00	61.5	66.1	66.9	63.4	62.4	62.7
14	19:00 to 20:00	64.6	63.8	62.5	64.7	63.8	63.2
15	20:00 to 21:00	63.6	63.5	63.3	61.4	60.4	64.6
16	21:00 to 22:00	64.9	62.6	58.9	60.1	59.7	61.4
Day Time		<75 dB (A)					

Continue...

Location Name		PUB / Adani House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		03-04-2023	01-05-2023	01-06-2023	03-07-2023	03-08-2023	04-09-2023
1	22:00 to 23:00	58.6	58.5	60.2	56.8	58.2	56.8
2	23:00 to 24:00	57.5	58.3	62.5	59.4	60.1	56.9
3	24:00 to 01:00	58.2	57.5	60.4	60.2	60.7	58.4
4	01:00 to 02:00	56.9	57.8	60.4	57.1	58.3	61.3
5	02:00 to 03:00	58.5	55.9	60.5	57.3	57.3	59.7
6	03:00 to 04:00	57.5	55.5	59.6	62.9	59.4	55.4
7	04:00 to 05:00	56.5	58.2	58.5	60.2	61.2	58.2
8	05:00 to 06:00	57.2	57.5	59.7	59.8	57.3	56.1

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		28-04-2023	31-05-2023	28-06-2023	29-07-2023	29-08-2023	27-09-2023
1	06:00 to 07:00	62.9	62.5	58.5	59.4	57.3	58.4
2	07:00 to 08:00	64.2	63.5	60.5	62.7	60.4	60.3
3	08:00 to 09:00	62.5	62.8	62.5	65.4	63.8	66.4
4	09:00 to 10:00	63.6	64.5	63.5	63.7	61.8	63.7
5	10:00 to 11:00	60.6	63.5	62.8	62.1	63.7	64.2
6	11:00 to 12:00	63.5	62.8	64.5	64.5	66.8	66.4
7	12:00 to 13:00	63.5	60.5	63.5	64.7	67.3	67.1
8	13:00 to 14:00	66.7	65.3	65.3	62.8	63.7	63.2
9	14:00 to 15:00	65.5	62.8	62.8	61.1	62.1	65.7
10	15:00 to 16:00	68.2	64.2	64.2	64.8	65.8	64.2
11	16:00 to 17:00	64.5	61.6	61.7	63.9	65.7	65.9
12	17:00 to 18:00	66.7	58.7	59.5	63.3	61.9	63.2
13	18:00 to 19:00	62.4	60.5	58.9	67.5	65.6	60.5
14	19:00 to 20:00	61.5	58.7	61.8	64.7	62.3	64.2
15	20:00 to 21:00	63.2	56.3	59.4	62.4	61.9	59.5
16	21:00 to 22:00	61.7	54.9	58.5	62.5	60.3	57.6
Day Time		<75 dB (A)					

Continue...

Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		28-04-2023	31-05-2023	28-06-2023	29-07-2023	29-08-2023	27-09-2023
1	22:00 to 23:00	59.4	57.9	57.4	58.6	57.9	58.9
2	23:00 to 24:00	60.4	59.8	61.3	56.2	60.5	61.6
3	24:00 to 01:00	57.4	56.7	60.2	56.8	61.6	57.4
4	01:00 to 02:00	58.5	57.2	59.4	54.3	58.9	59.2
5	02:00 to 03:00	57.1	55.5	60.6	58.4	62.6	60.6
6	03:00 to 04:00	59.9	58.4	60.8	58.5	57.9	57.4
7	04:00 to 05:00	56.7	59.8	58.7	59.4	60.3	59.4
8	05:00 to 06:00	59.5	56.5	56.5	58.4	55.9	61.7

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		WTP- Nr. CETP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		12-04-2023	06-05-2023	03-06-2023	05-07-2023	05-08-2023	06-09-2023
1	06:00 to 07:00	60.5	64.5	61.9	58.3	60.7	64.1
2	07:00 to 08:00	58.4	63.5	63.5	63.2	61.4	62.5
3	08:00 to 09:00	62.5	62.8	58.9	66.8	64.7	65.7
4	09:00 to 10:00	66.1	60.5	63.5	64.5	66.3	68.4
5	10:00 to 11:00	65.4	65.3	67.8	68.6	65.3	66.9
6	11:00 to 12:00	66.3	62.8	68.5	65.2	62.8	67.3
7	12:00 to 13:00	65.5	66.7	65.5	67.1	65.9	69.3
8	13:00 to 14:00	67.3	69.8	62.6	66.1	67.8	63.2
9	14:00 to 15:00	65.8	65.5	63.5	69	64.6	64.7
10	15:00 to 16:00	62.8	68.2	66.7	68.2	66.9	66.5
11	16:00 to 17:00	65.4	66.5	68.5	66.9	63.7	68.6
12	17:00 to 18:00	66.1	66.1	66.9	62.8	65.8	67.1
13	18:00 to 19:00	63.8	67.3	62.5	65.8	63.6	63.7
14	19:00 to 20:00	63.5	66.7	65.2	61.3	60.8	64.8
15	20:00 to 21:00	66.4	65.4	62.3	68.9	64.6	62.1
16	21:00 to 22:00	60.7	63.9	60.7	64.1	63.1	61.2
Day Time		<75 dB (A)					

Continue...

Location Name		WTP- Nr. CETP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		12-04-2023	06-05-2023	03-06-2023	05-07-2023	05-08-2023	06-09-2023
1	22:00 to 23:00	60.5	59.6	59.6	59.3	57.3	56.2
2	23:00 to 24:00	59.5	59.9	60.3	59.1	60.3	59.8
3	24:00 to 01:00	60.5	62.6	60.5	61.6	62.8	61.3
4	01:00 to 02:00	58.1	61.8	55.4	56.4	61.8	60.1
5	02:00 to 03:00	60.5	55.4	59.4	57.3	64.3	58.3
6	03:00 to 04:00	57.5	55.5	60.2	53.1	61.7	56.4
7	04:00 to 05:00	55.6	55.2	59.8	58.4	58.9	58.2
8	05:00 to 06:00	55.5	56.2	56.4	57.5	54.8	60.4

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		SAMUDRA TOWNSHIP – STP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		22-04-2023	13-05-2023	07-06-2023	15-07-2023	11-08-2023	13-09-2023
1	06:00 to 07:00	63.9	61.2	60.3	60.9	63.2	62.7
2	07:00 to 08:00	67.8	62.8	62.5	61.4	64.6	65.4
3	08:00 to 09:00	68.9	68.9	68.5	66.7	67.1	63.3
4	09:00 to 10:00	67.1	65.4	65.5	63.3	65.8	67.2
5	10:00 to 11:00	68.5	69.1	64.2	68.2	67.4	64.7
6	11:00 to 12:00	69.1	62.4	64.5	62.9	65.1	66.3
7	12:00 to 13:00	67.5	69.7	65.2	65.4	63.4	67.4
8	13:00 to 14:00	66.9	62.2	66.1	69.1	65.7	65.8
9	14:00 to 15:00	61.8	68.2	60.6	65.5	66.8	68.6
10	15:00 to 16:00	63.8	63.1	61.8	68.9	65.9	65.3
11	16:00 to 17:00	66.7	65.7	62.5	64.3	65.2	64.8
12	17:00 to 18:00	65.3	66.9	61.5	61.3	63.6	66.4
13	18:00 to 19:00	66.7	67.2	64.6	65.8	64.6	62.5
14	19:00 to 20:00	62.9	65.5	60.2	65.9	67.1	63.1
15	20:00 to 21:00	64.2	68.2	63.5	61.5	64.2	64.3
16	21:00 to 22:00	60.1	64.7	60.5	64.7	61.7	60.7
Day Time		<75 dB (A)					

Continue...

Location Name		SAMUDRA TOWNSHIP – STP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		22-04-2023	13-05-2023	07-06-2023	15-07-2023	11-08-2023	13-09-2023
1	22:00 to 23:00	61.3	58.5	60.8	57.2	59.4	59.5
2	23:00 to 24:00	59.7	58.3	56.7	55.8	56.9	61.4
3	24:00 to 01:00	57.4	57.5	53.9	56.3	59.4	58.7
4	01:00 to 02:00	56.9	55.2	54.2	57.3	62.8	60.4
5	02:00 to 03:00	59.4	56.5	53.6	53.2	61.8	57.4
6	03:00 to 04:00	60.3	54.2	54.7	57.1	59.5	60.1
7	04:00 to 05:00	58.4	55.3	57.2	55.8	60.4	61.4
8	05:00 to 06:00	60.6	56.5	57.3	58.3	57.8	62.6

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		SAMUDRA TOWNSHIP CUSTOMER CARE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		18-04-2023	20-05-2023	20-06-2023	19-07-2023	18-08-2023	20-09-2023
1	06:00 to 07:00	62.8	66.7	60.5	60.3	58.9	63.5
2	07:00 to 08:00	64.2	68.8	62.8	62.7	61.3	61.2
3	08:00 to 09:00	63.9	67.3	66.1	66.4	65.8	64.5
4	09:00 to 10:00	64.5	65.7	65.5	67.8	64.9	65.8
5	10:00 to 11:00	62.9	66.2	62.8	63.2	65.8	67.4
6	11:00 to 12:00	63	66.2	66.9	68.4	67.4	65.7
7	12:00 to 13:00	60.4	65.4	65.6	62.1	62.8	63.8
8	13:00 to 14:00	67.1	65.8	65.2	65.7	63.6	67.2
9	14:00 to 15:00	64.5	66.2	64.2	68.2	67.1	64.1
10	15:00 to 16:00	69.6	69.5	67.2	63.8	62.9	62.7
11	16:00 to 17:00	65.2	66.7	66.5	61.9	64.8	65.3
12	17:00 to 18:00	63.2	65.4	68.5	64.8	67.9	63.8
13	18:00 to 19:00	61.5	68.2	63.2	64.2	62.8	59.8
14	19:00 to 20:00	66.7	65.1	60.2	65.5	63.9	60.4
15	20:00 to 21:00	60.5	64.7	59.5	62.8	60.1	62.1
16	21:00 to 22:00	63.9	62.6	61.3	60.5	57.9	58.8
Day Time		<75 dB (A)					

Continue...

Location Name		SAMUDRA TOWNSHIP CUSTOMER CARE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		18-04-2023	20-05-2023	20-06-2023	19-07-2023	18-08-2023	20-09-2023
1	22:00 to 23:00	60.2	60.8	57.9	58.5	56.7	56.8
2	23:00 to 24:00	64.2	56.7	58.3	54.4	59.4	60.4
3	24:00 to 01:00	58.2	53.9	57.3	59.3	62.6	57.3
4	01:00 to 02:00	57.3	54.2	61.2	58.3	60.4	61.3
5	02:00 to 03:00	63.2	53.1	58.9	57.8	57.4	57.9
6	03:00 to 04:00	64.3	55.5	58.8	58.5	61.3	59.4
7	04:00 to 05:00	55.1	58.8	56.3	56.1	56.8	60.1
8	05:00 to 06:00	58.4	57.9	55.9	56.9	58.1	58.9

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		AIR STRIP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		22-04-2023	27-05-2023	24-06-2023	22-07-2023	25-08-2023	23-09-2023
1	06:00 to 07:00	63.9	63.4	61.1	62.6	61.5	60.7
2	07:00 to 08:00	67.8	64.2	68.5	68.3	64.7	63.6
3	08:00 to 09:00	68.9	65.5	65.5	64.2	62.6	65.8
4	09:00 to 10:00	67.1	64.9	64.1	69.8	65.7	66.2
5	10:00 to 11:00	68.5	63.6	68.9	65.8	66.3	65.8
6	11:00 to 12:00	69.1	65.3	67.1	68.1	64.7	62.5
7	12:00 to 13:00	67.5	62.8	68.3	67.2	66.8	65.7
8	13:00 to 14:00	66.9	60.4	64.2	62.5	64.1	66.1
9	14:00 to 15:00	61.8	59.4	62.3	67.1	65.3	63.7
10	15:00 to 16:00	63.8	67.3	69.4	61.5	63.7	65.9
11	16:00 to 17:00	66.7	64.8	66.5	65.6	67.9	63.1
12	17:00 to 18:00	65.3	64.1	62.6	68.8	65.8	60.7
13	18:00 to 19:00	66.7	62.6	65.9	65.4	63.2	63.6
14	19:00 to 20:00	62.9	60.5	63.5	61.7	60.7	62.6
15	20:00 to 21:00	64.2	63.6	61.7	59.5	58.3	61.8
16	21:00 to 22:00	60.1	59.8	60.1	57.7	58.1	59.3
Day Time		<75 dB (A)					

Continue...

Location Name		AIR STRIP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		22-04-2023	27-05-2023	24-06-2023	22-07-2023	25-08-2023	23-09-2023
1	22:00 to 23:00	61.3	59.6	58.1	57.8	59.1	60.1
2	23:00 to 24:00	59.7	57.8	60.4	58.3	56.9	62.3
3	24:00 to 01:00	57.4	58.3	57.8	61.2	60.3	59.8
4	01:00 to 02:00	56.9	61.2	57.6	59	63.8	57.4
5	02:00 to 03:00	59.4	59	60.3	58.7	64.1	54.3
6	03:00 to 04:00	60.3	58.7	56.2	61.1	61.9	57.8
7	04:00 to 05:00	58.4	61.1	56.9	57.3	58.8	58.2
8	05:00 to 06:00	60.6	58.2	57.1	54.7	56.4	60.2

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring

Monitoring Period: **April - 2023 to September - 2023**

Sr. No.	Parameter	Unit	Adani Hospital DG Set		GPCB LIMIT	Method of Test
			Sep-23			
			01-09-2023			
1	Particulate Matter	mg/Nm ³	20.11		150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	7.68		100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	27.91		50	IS 11255 (Part - 7)

Sr. No.	Parameter	Unit	WTP Nr CETP D.G.Set No. S-1 (380 KVA)		GPCB LIMIT	Method of Test
			Sep-23			
			16-09-2023			
1	Particulate Matter	mg/Nm ³	24.74		150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	9.3		100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	33.58		50	IS 11255 (Part - 7)



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring

Monitoring Period: **April - 2023 to September - 2023**

Sr. No.	Parameter	Unit	Adani House D.G.Set No. S-1 (750 KVA)	GPCB LIMIT	Method of Test
			Sep-23		
			16-09-2023		
1	Particulate Matter	mg/Nm ³	23.41	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	11.3	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	26.95	50	IS 11255 (Part - 7)

Sr. No.	Parameter	Unit	D.G.Set No. S-2 (500 KVA –PUB)	GPCB LIMIT	Method of Test
			Sep-23		
			16-09-2023		
1	Particulate Matter	mg/Nm ³	21.6	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	11.2	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	36.41	50	IS 11255 (Part - 7)



Nikunj D. Patel
(Chemist)



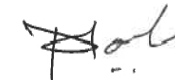

Jaivik S. Tandel
(Manager - Operations)

RESULTS OF BOREHOLE WATER SAMPLE

Sr. No	Parameters	Method	Unit	01-09-2023	01-09-2023	01-09-2023	01-09-2023
				Nr. PUB Building.	Nr. CETP	Nr.flyover bridge	Dhrub
1	pH @ 25 ° C	IS 3025(Part 11)1983	--	7.11	8.12	7.44	7.46
2	Salinity	APHA 23rd Ed.,2017,2520 B	ppt	21.11	1.75	10.37	3.6
3	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	BDL(MDL:5.0)	BDL(MDL:5.0)	BDL(MDL:5.0)	BDL(MDL:5.0)
4	Hydrocarbon	GC/GCMS	mg/L	Not Detected	Not Detected	Not Detected	Not Detected
5	Lead as Pb	IS 3025 (PART 47) 1994	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)
6	Arsenic as As	APHA 23rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)
7	Nickel as Ni	IS 3025 (PART 54) 2003	mg/L	0.345	0.079	0.184	0.781
8	Total Chromium as Cr	IS 3025 (PART 52) 2003	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	0.165
9	Cadmium as Cd	IS 3025(PART 41) 1992	mg/L	0.154	0.04	0.074	0.446
10	Mercury as Hg	APHA 23rd Ed.,2017, 3112-B	mg/L	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)
11	Zinc as Zn	IS 3025(PART 49) 1994	mg/L	0.242	0.09	0.124	0.257
12	Copper as Cu	IS 3025 (PART 42) 1992	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	0.101
13	Iron as Fe	IS 3025(PART 53) 2003	mg/L	0.422	0.331	0.182	1.263
14	Insecticides/Pesticides	USEPA 8081 B	µg/L	Absent	Absent	Absent	Absent
15	Depth of Water Level from Ground Level	--	meter	2.15	2.2	2.15	2.18



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF SOIL SAMPLE

SR.NO.	TEST PARAMETERS	UNIT	01-09-2023	01-09-2023	01-09-2023	01-09-2023
			PUB Building	Dhrub	Near Flyover Bridge	Near CETP
1	pH	--	8.94	8.62	8.48	9.12
2	Nitrogen as N	%	0.14	0.33	0.29	0.38
3	Phosphorus as P	mg/kg	1284.2	710.5	864.4	502.5
4	Potassium as K	mg/kg	44.52	1244.9	222.8	164.5
5	Baron as B	mg/kg	1.82	2.02	2.11	2.99
6	Calcium as Ca	mg/kg	338.4	3422.5	1004	401.4
7	Magnesium as Mg	mg/kg	164.2	5537.4	448.5	62.2
8	Iron as Fe	%	0.64	1.21	0.92	0.88
9	Moisture	%	0.54	3.12	0.57	1.72
10	Organic Matter	%	0.54	1.56	1.48	1.42
11	Cation exchange capacity (CEC)	meq/100gm	9.68	15.1	10.47	10.02
12	TVC	CFU/gm	2.7x10 ⁶	2.9 x 10 ⁶	2.3 x 10 ⁶	2.0 x 10 ⁶
13	Cadmium as Cd	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)
14	Thorium as Th	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)
15	Antimony as Sb	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)
16	Arsenic as As	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)

Continue...

MoEF&CC (GOI) Recognized Environmental Laboratory under the EPA-1986 (31.03.2023 to 22.09.2024)

QCI-NABET Accredited EIA & GW Consultant Organization

GPCB Recognized Environmental Auditor (Schedule-II)


ISO 9001 : 2015 Certified Company

ISO 45001 : 2018 Certified Company

17	Lead as Pb	mg/kg	10.11	9.18	18.02	7.44
18	Chromium as Cr	mg/kg	3.46	9.11	4.09	4.31
19	Cobalt as Co	mg/kg	9.85	10.34	8.75	9.84
20	Copper as Cu	mg/kg	8.02	11.41	30.84	15.94
21	Nickel as Ni	mg/kg	11.4	14.34	13.24	13.75
22	Manganese and Mn	mg/kg	402.5	229.5	220.4	180.62
23	Vanadium as V	mg/kg	7.65	7.89	8.54	8.21



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

Minimum Detection Limit

Ambient Air Quality Monitoring

Sr. No.	Test Parameter	Unit	MDL
1	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
2	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
3	Sulphur Dioxide (SO ₂)	µg/m ³	4 µg/m ³
4	Nitrogen Dioxide (NO ₂)	µg/m ³	5 µg/m ³
5	Carbon Monoxide (CO)	mg/m ³	1-30 mg/m ³
6	Ammonia (NH ₃)	µg/m ³	5 µg/m ³
7	Ozone (O ₃)	µg/m ³	5 µg/m ³
8	Lead (Pb)	µg/m ³	0.5 µg/m ³
9	Nickle (Ni)	ng/m ³	1 ng/m ³
10	Arsenic (As)	ng/m ³	1 ng/m ³
11	Benzene	µg/m ³	1µg/m ³
12	Benzo(o)Pyrene	ng/m ³	0.1 ng/m ³
14	Hydro Carbon	µg/m ³	1 µg/m ³

Stack Emission Monitoring

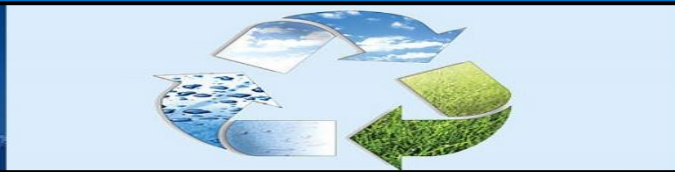
Sr. No.	Test Parameter	Unit	MDL
1	Suspended particulate matter	mg/Nm ³	2 mg/Nm ³
2	Sulphur Dioxide SO _X	mg/Nm ³	4 mg/Nm ³
3	Oxides of Nitrogen NO _X	mg/Nm ³	5 mg/Nm ³

CETP water

Sr. No.	Test Parameter	Unit	MDL
1	pH @ 27 ° C	--	2
2	Temperature	OC	5
3	Colour	Pt. Co. Scale	5
4	Total Suspended Solids	mg/L	4
5	Oil & Grease	mg/L	2
6	Phenolic Compound	mg/L	0.1
7	Fluoride	mg/L	0.2
8	Iron as Fe	mg/L	0.1
9	Zinc as Zn	mg/L	0.05
10	Trivalent Chromium	mg/L	0.05
11	Sulphide	mg/L	0.05
12	Ammonical Nitrogen	mg/L	2
13	BOD (3 days at 27 OC)	mg/L	1
14	COD	mg/L	2
15	Chloride (as Cl) ⁻	mg/L	1
16	Sulphate (as SO ₄)	mg/L	1
17	Total Dissolved Solids	mg/L	4
18	Total Residual Chlorine	mg/L	0.1
19	Copper as Cu	mg/L	0.05
20	Bio Assay test (%)	%	--

STP OUTLET

Sr. No.	Test Parameter	Unit	MDL
1	pH @ 25 ° C	--	2
2	Total Suspended Solids	mg/L	4
3	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	1
4	Residual chlorine	mg/L	0.1
5	Fecal Coliform	MPN Index/100ml	



“Half Yearly Environmental Monitoring Reports “

For,
adani
Ports and
Logistics

M/S. ADANI PORTS & SEZ Limited.

Notified SEZ area, Tal. – Mundra, Dist. – Kutch – 370421.

Monitoring Period: October – 2023 to March - 2024

Submitted By


UniStar
Environment and Research Labs Pvt. Ltd.

UniStar Environment & Research Labs Pvt. Ltd.

White House, Near GIDC Office, Char Rasta, Vapi, Gujarat, India – 396195



RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	PUB ADANI HOUSE STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Oct-23		Nov-23		Dec-23			
			09-10-2023	23-10-2023	07-11-2023	22-11-2023	07-12-2023	26-12-2023		
1.	pH @ 25 ° C	--	7.42	7.21	7.06	7.16	7.18	7.29	6.5 to 9	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Total Suspended Solids	mg/L	16	18	17	18	16	18	100	APHA 23 rd Ed.,2017,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	15	16	16	17	15	16	30	APHA 23 rd Ed,2017,5210-B 5-6
4.	Residual chlorine	mg/L	0.84	0.86	0.86	0.76	0.77	0.81	0.5 Min.	APHA 23 rd Ed.,2017,4500-Cl-B
5.	Fecal Coliform	MPN Index/100ml	110	110	110	110	110	110	1000	IS 1622: 1981

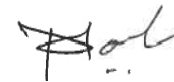
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RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	PUB ADANI HOUSE STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jan-24		Feb-24		Mar-24			
			12-01-2024	27-01-2024	09-02-2024	26-02-2024	06-03-2024	18-03-2024		
1.	pH @ 25 ° C	--	7.22	7.16	7.33	7.42	7.31	7.42	6.5 to 9	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Total Suspended Solids	mg/L	18	16	18	18	16	16	100	APHA 23 rd Ed.,2017,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	16	17	16.8	16.9	16.2	17.5	30	APHA 23 rd Ed,2017,5210-B 5-6
4.	Residual chlorine	mg/L	0.84	0.82	0.86	0.74	0.72	0.82	0.5 Min.	APHA 23 rd Ed.,2017,4500-CI-B
5.	Fecal Coliform	MPN Index/100ml	110	110	70	80	110	90	1000	IS 1622: 1981



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	SAMUNDRA TOWNSHIP STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Oct-23		Nov-23		Dec-23			
			09-10-2023	23-10-2023	07-11-2023	22-11-2023	07-12-2023	26-12-2023		
1.	pH @ 25 ° C	--	7.29	7.44	7.21	7.44	7.38	7.44	6.5 to 9	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Total Suspended Solids	mg/L	18	20	20	18	18	20	100	APHA 23 rd Ed.,2017,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	16	15.5	16.3	16	16	16	30	APHA 23 rd Ed,2017,5210-B 5-6
4.	Residual chlorine	mg/L	0.82	0.78	0.74	0.82	0.84	0.83	0.5 Min.	APHA 23 rd Ed.,2017,4500-CI-B
5.	Fecal Coliform	MPN Index/100ml	90	90	90	90	90	90	1000	IS 1622: 1981


Continue...

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	SAMUNDRA TOWNSHIP STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jan-24		Feb-24		Mar-24			
			12-01-2024	27-01-2024	10-02-2024	26-02-2024	07-03-2024	18-03-2024		
1.	pH @ 25 ° C	--	7.34	7.33	7.42	7.35	7.38	7.44	6.5 to 9	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Total Suspended Solids	mg/L	18	18	20	18	20	18	100	APHA 23 rd Ed.,2017,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	16.5	15.9	16.4	16.6	15.5	16.4	30	APHA 23 rd Ed,2017,5210-B 5-6
4.	Residual chlorine	mg/L	0.82	0.83	0.82	0.84	0.75	0.78	0.5 Min.	APHA 23 rd Ed.,2017,4500-CI-B
5.	Fecal Coliform	MPN Index/100ml	90	90	110	90	70	80	1000	IS 1622: 1981



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	North Gate STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Oct-23		Nov-23		Dec-23			
			09-10-2023	23-10-2023	08-11-2023	22-11-2023	07-12-2023	26-12-2023		
1.	pH @ 25 ° C	--	7.32	7.26	7.34	7.39	7.31	7.36	6.5 to 9	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Total Suspended Solids	mg/L	22	22	23	21	22	20	100	APHA 23 rd Ed.,2017,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	16	15	16.3	16	15	15	30	APHA 23 rd Ed,2017,5210-B 5-6
4.	Residual chlorine	mg/L	0.78	0.76	0.78	0.79	0.81	0.8	0.5 Min.	APHA 23 rd Ed.,2017,4500-CI-B
5.	Fecal Coliform	MPN Index/100ml	50	50	50	50	50	50	1000	IS 1622: 1981

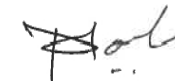
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RESULTS OF STP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	North Gate STP OUTLET						GPCB Permissible Limit	TEST METHOD
			Jan-24		Feb-24		Mar-24			
			12-01-2024	27-01-2024	10-02-2024	26-02-2024	06-03-2024	19-03-2024		
1.	pH @ 25 ° C	--	7.4	7.24	7.33	7.36	7.44	7.45	6.5 to 9	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Total Suspended Solids	mg/L	20	22	22	20	20	22	100	APHA 23 rd Ed.,2017,2540-D
3.	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	16	16.2	16.1	16	15.5	16.5	30	APHA 23 rd Ed,2017,5210-B 5-6
4.	Residual chlorine	mg/L	0.78	0.8	0.78	0.74	0.75	0.81	0.5 Min.	APHA 23 rd Ed.,2017,4500-CI-B
5.	Fecal Coliform	MPN Index/100ml	50	50	40	34	22	33	1000	IS 1622: 1981



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

Results of Ambient Air Quality Monitoring

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
1.	02-10-2023	71.26	28.95	21.30	24.58	0.75	--	NOT DETECTED
2.	05-10-2023	68.79	26.35	20.57	23.97	0.70	2.56	NOT DETECTED
3.	09-10-2023	73.24	26.36	20.75	25.62	0.68	2.87	NOT DETECTED
4.	12-10-2023	76.48	29.60	22.42	27.25	0.70	2.74	NOT DETECTED
5.	16-10-2023	81.63	30.12	21.87	25.64	0.80	2.97	NOT DETECTED
6.	19-10-2023	78.42	28.79	23.55	28.10	0.77	2.87	NOT DETECTED
7.	23-10-2023	75.11	25.38	20.32	25.86	0.71	2.58	NOT DETECTED
8.	26-10-2023	80.65	29.81	22.58	26.84	0.78	3.10	NOT DETECTED
9.	30-10-2023	77.26	27.44	22.93	26.76	0.75	2.89	NOT DETECTED
10.	02-11-2023	74.17	29.55	23.31	28.29	0.78	2.60	NOT DETECTED
11.	06-11-2023	72.35	27.42	22.50	26.95	0.72	2.45	NOT DETECTED
12.	09-11-2023	75.67	29.93	24.82	28.43	0.80	2.76	NOT DETECTED
13.	13-11-2023	78.15	31.48	25.63	30.15	0.85	2.85	NOT DETECTED
14.	16-11-2023	74.51	29.20	23.26	28.73	0.81	2.65	NOT DETECTED
15.	20-11-2023	72.88	27.41	21.85	26.38	0.76	2.46	NOT DETECTED

Continue...

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
16.	23-11-2023	75.63	30.19	24.48	29.83	0.80	2.71	NOT DETECTED
17.	27-11-2023	70.11	26.54	21.10	26.55	0.72	2.40	NOT DETECTED
18.	30-11-2023	73.26	28.79	23.92	28.37	0.76	2.53	NOT DETECTED
19.	04-12-2023	72.47	27.91	21.82	25.73	0.70	2.39	NOT DETECTED
20.	07-12-2023	76.29	30.31	23.58	28.19	0.75	2.45	NOT DETECTED
21.	11-12-2023	80.53	30.95	24.04	28.97	0.81	2.61	NOT DETECTED
22.	14-12-2023	82.65	31.10	25.31	30.26	0.82	2.78	NOT DETECTED
23.	18-12-2023	78.71	28.27	23.98	28.21	0.79	2.65	NOT DETECTED
24.	21-12-2023	75.20	27.52	21.93	25.67	0.72	2.58	NOT DETECTED
25.	25-12-2023	68.93	26.69	20.86	24.79	0.69	2.36	NOT DETECTED
26.	28-12-2023	71.38	28.61	23.13	28.45	0.73	2.51	NOT DETECTED
27.	01-01-2024	74.54	30.13	22.46	26.21	0.79	--	NOT DETECTED
28.	04-01-2024	77.37	32.59	25.03	29.17	0.84	3.12	NOT DETECTED
29.	08-01-2024	75.19	31.63	23.84	26.96	0.80	2.94	NOT DETECTED
30.	11-01-2024	72.84	28.16	21.69	25.32	0.74	2.8	NOT DETECTED
31.	15-01-2024	76.25	30.54	24.98	28.73	0.83	2.89	NOT DETECTED

Continue...

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
32.	18-01-2024	69.98	28.63	21.00	25.37	0.73	2.76	NOT DETECTED
33.	22-01-2024	67.37	27.57	20.69	24.15	0.70	2.62	NOT DETECTED
34.	25-01-2024	71.83	30.49	21.76	26.33	0.74	2.78	NOT DETECTED
35.	29-01-2024	73.24	32.73	23.54	28.16	0.77	2.82	NOT DETECTED
36.	01-02-2024	76.57	32.81	23.12	27.37	0.79	2.98	NOT DETECTED
37.	05-02-2024	73.16	30.26	21.68	25.42	0.74	2.86	NOT DETECTED
38.	08-02-2024	70.62	28.96	20.21	24.38	0.69	2.71	NOT DETECTED
39.	12-02-2024	75.84	30.42	22.38	26.71	0.77	2.88	NOT DETECTED
40.	15-02-2024	72.68	29.82	21.45	24.60	0.69	2.64	NOT DETECTED
41.	19-02-2024	66.43	27.19	19.87	22.59	0.68	2.51	NOT DETECTED
42.	22-02-2024	69.15	28.79	20.62	23.10	0.70	2.69	NOT DETECTED
43.	26-02-2024	73.54	31.56	22.84	26.62	0.79	2.82	NOT DETECTED
44.	29-02-2024	70.69	30.11	20.03	24.27	0.72	2.73	NOT DETECTED
45.	04-03-2024	67.50	28.42	20.84	24.15	0.60	2.69	NOT DETECTED
46.	07-03-2024	65.84	25.73	19.87	22.58	0.68	2.45	NOT DETECTED
47.	11-03-2024	63.95	26.45	22.27	26.42	0.60	2.41	NOT DETECTED

Continue...

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³	HC µg/m ³	Benzene µg/m ³
48.	14-03-2024	67.35	29.13	20.57	24.48	0.65	2.68	NOT DETECTED
49.	18-03-2024	69.54	30.26	22.85	25.92	0.59	2.74	NOT DETECTED
50.	21-03-2024	74.13	27.41	23.36	26.10	0.70	2.85	NOT DETECTED
51.	25-03-2024	70.54	25.95	22.48	24.65	0.67	2.53	NOT DETECTED
52.	28-03-2024	65.48	27.30	19.84	23.39	0.61	2.49	NOT DETECTED
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0	---	5.0
Test Method		IS - 5182, Part-23	UERL/AIR/SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10	Gas analyzer	IS - 5182, Part - 11



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	02-10-2023	70.17	24.68	11.59	16.32	NOT DETECTED
2.	05-10-2023	74.26	25.51	13.64	18.02	--
3.	09-10-2023	77.39	26.91	12.64	17.43	--
4.	12-10-2023	82.17	28.63	13.53	18.11	--
5.	16-10-2023	78.98	27.64	12.76	17.84	--
6.	19-10-2023	80.27	28.56	13.57	18.15	--
7.	23-10-2023	74.68	25.82	12.53	16.94	--
8.	26-10-2023	77.53	28.21	11.98	16.38	--
9.	30-10-2023	71.96	25.31	12.60	17.32	--
10.	02-11-2023	73.54	26.36	11.68	15.26	--
11.	06-11-2023	76.32	27.25	12.59	16.92	--
12.	09-11-2023	74.86	24.19	11.48	15.64	--
13.	13-11-2023	78.10	26.84	13.56	17.88	--
14.	16-11-2023	75.46	24.54	11.47	16.29	--
15.	20-11-2023	77.68	26.91	12.55	15.93	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	23-11-2023	80.15	28.49	13.62	18.1	--
17.	27-11-2023	73.79	23.91	11.76	16.5	--
18.	30-11-2023	78.38	25.32	13.58	17.86	--
19.	04-12-2023	76.13	27.42	12.15	16.48	--
20.	07-12-2023	79.65	28.25	13.48	17.53	--
21.	11-12-2023	75.48	26.83	12.62	15.89	--
22.	14-12-2023	73.58	25.31	11.95	15.13	--
23.	18-12-2023	70.17	23.95	11.47	14.83	--
24.	21-12-2023	75.39	25.42	12.37	16.12	--
25.	25-12-2023	78.53	26.19	13.62	17.11	--
26.	28-12-2023	80.15	28.31	13.68	17.64	--
27.	01-01-2024	83.21	30.56	14.18	18.39	NOT DETECTED
28.	04-01-2024	79.64	27.43	12.91	16.84	--
29.	08-01-2024	75.15	25.61	11.83	15.46	--
30.	11-01-2024	81.37	28.17	13.36	17.21	--
31.	15-01-2024	83.46	30.55	14.28	18.33	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	18-01-2024	78.76	26.23	12.88	17.1	--
33.	22-01-2024	81.28	29.04	13.59	17.95	--
34.	25-01-2024	77.35	26.20	11.89	15.58	--
35.	29-01-2024	79.62	28.78	12.47	16.56	--
36.	01-02-2024	75.36	27.53	12.84	17.16	--
37.	05-02-2024	72.69	26.84	11.92	15.89	--
38.	08-02-2024	77.16	28.69	12.43	17.85	--
39.	12-02-2024	83.29	30.52	14.12	18.31	--
40.	15-02-2024	80.46	28.88	13.75	17.97	--
41.	19-02-2024	78.91	27.96	13.26	17.48	--
42.	22-02-2024	75.91	25.73	11.85	15.67	--
43.	26-02-2024	79.58	28.39	13.64	16.82	--
44.	29-02-2024	75.46	26.12	12.79	15.81	--
45.	04-03-2024	77.48	30.16	13.65	18.13	--
46.	07-03-2024	81.37	30.84	14.63	18.89	--
47.	11-03-2024	75.94	27.83	12.79	16.38	--

Continue...

Name of Location		Adani Guest House				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	14-03-2024	78.53	29.18	13.75	16.96	--
49.	18-03-2024	83.61	25.94	14.57	18.20	--
50.	21-03-2024	80.27	28.63	12.85	16.74	--
51.	25-03-2024	75.39	26.17	12.23	17.11	--
52.	28-03-2024	78.42	29.41	13.76	17.93	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	02-10-2023	80.18	34.63	18.42	23.15	NOT DETECTED
2.	05-10-2023	84.64	36.47	19.38	25.31	--
3.	09-10-2023	73.47	39.81	20.64	26.50	--
4.	12-10-2023	78.85	40.15	20.76	26.10	--
5.	16-10-2023	82.96	38.27	21.27	26.42	--
6.	19-10-2023	84.29	35.82	17.49	22.32	--
7.	23-10-2023	71.15	38.94	20.38	25.84	--
8.	26-10-2023	70.12	37.31	18.42	22.94	--
9.	30-10-2023	74.27	34.64	17.58	22.56	--
10.	02-11-2023	75.36	37.65	19.84	24.15	--
11.	06-11-2023	72.59	34.12	17.86	22.36	--
12.	09-11-2023	74.85	35.63	18.95	23.71	--
13.	13-11-2023	76.44	37.84	19.67	25.13	--
14.	16-11-2023	79.30	38.63	18.57	22.98	--
15.	20-11-2023	82.63	39.27	19.48	24.58	--

Continue...

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	23-11-2023	80.47	37.88	17.91	21.86	--
17.	27-11-2023	69.36	33.14	18.98	23.61	--
18.	30-11-2023	72.14	35.35	17.58	22.12	--
19.	04-12-2023	71.52	34.26	16.72	21.31	--
20.	07-12-2023	73.64	36.12	17.97	22.41	--
21.	11-12-2023	70.59	31.96	15.78	20.63	--
22.	14-12-2023	72.86	33.48	16.12	21.79	--
23.	18-12-2023	75.13	35.6	17.46	23.42	--
24.	21-12-2023	74.36	35.11	16.74	20.86	--
25.	25-12-2023	77.62	36.43	17.13	22.91	--
26.	28-12-2023	79.15	37.32	17.86	24.15	--
27.	01-01-2024	75.38	33.67	16.11	22.36	NOT DETECTED
28.	04-01-2024	79.51	35.25	17.92	24.1	--
29.	08-01-2024	77.46	34.18	16.37	21.87	--
30.	11-01-2024	81.38	37.49	18.22	23.59	--
31.	15-01-2024	83.62	39.21	19.00	25.03	--

Continue...

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	18-01-2024	77.62	36.15	17.24	22.91	--
33.	22-01-2024	79.62	37.53	18.86	24.21	--
34.	25-01-2024	75.41	35.03	16.47	22.54	--
35.	29-01-2024	78.55	37.14	18.52	23.98	--
36.	01-02-2024	80.51	36.79	17.43	21.87	--
37.	05-02-2024	83.11	36.88	18.04	22.95	--
38.	08-02-2024	78.59	34.62	16.97	21.24	--
39.	12-02-2024	75.67	32.31	15.46	19.73	--
40.	15-02-2024	80.31	35.76	17.39	22.14	--
41.	19-02-2024	77.84	33.92	16.12	21.19	--
42.	22-02-2024	72.35	32.47	15.62	19.88	--
43.	26-02-2024	69.92	31.05	14.99	19.27	--
44.	29-02-2024	75.71	33.89	15.92	20.85	--
45.	04-03-2024	77.47	35.12	16.38	20.84	--
46.	07-03-2024	80.73	36.21	17.53	22.15	--
47.	11-03-2024	71.16	32.53	14.93	18.65	--

Continue...

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GPCB Recognized Environmental Auditor (Schedule-II)

ISO 9001 : 2015 Certified Company

ISO 45001 : 2018 Certified Company

Name of Location		WTP- Nr. CETP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	14-03-2024	78.43	35.82	16.27	20.48	--
49.	18-03-2024	75.28	33.62	16.88	19.43	--
50.	21-03-2024	69.82	30.58	15.47	18.91	--
51.	25-03-2024	72.92	33.65	14.78	19.63	--
52.	28-03-2024	75.87	31.64	16.25	21.42	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	02-10-2023	83.72	23.63	12.2	15.84	NOT DETECTED
2.	05-10-2023	85.89	25.42	13.54	17.42	--
3.	09-10-2023	79.25	26.58	14.66	17.73	--
4.	12-10-2023	82.64	24.83	14.36	18.21	--
5.	16-10-2023	85.38	22.45	12.8	17.36	--
6.	19-10-2023	78.61	26.50	14.40	17.18	--
7.	23-10-2023	80.24	24.63	13.75	18.52	--
8.	26-10-2023	84.76	22.35	12.61	15.47	--
9.	30-10-2023	81.83	22.24	12.42	16.94	--
10.	02-11-2023	76.48	20.65	10.8	14.96	--
11.	06-11-2023	80.52	22.28	11.42	16.95	--
12.	09-11-2023	82.29	23.88	12.45	17.64	--
13.	13-11-2023	79.11	21.75	11.49	16.22	--
14.	16-11-2023	76.73	20.42	10.79	15.86	--
15.	20-11-2023	80.82	22.54	10.98	16.37	--

Continue...

Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	23-11-2023	83.57	24.11	12.48	17.14	--
17.	27-11-2023	81.95	22.68	11.74	16.93	--
18.	30-11-2023	78.57	21.86	10.77	15.28	--
19.	04-12-2023	83.21	24.56	13.19	17.21	--
20.	07-12-2023	82.64	23.48	12.85	16.35	--
21.	11-12-2023	80.19	21.87	10.62	14.8	--
22.	14-12-2023	81.47	22.16	11.05	15.26	--
23.	18-12-2023	76.82	19.51	9.82	13.39	--
24.	21-12-2023	78.29	20.76	10.59	14.83	--
25.	25-12-2023	74.94	17.72	9.12	12.86	--
26.	28-12-2023	75.86	18.64	9.92	13.03	--
27.	01-01-2024	78.64	20.18	9.98	13.86	NOT DETECTED
28.	04-01-2024	81.29	21.64	10.36	14.87	--
29.	08-01-2024	84.56	23.58	11.00	15.21	--
30.	11-01-2024	80.17	20.88	10.18	13.59	--
31.	15-01-2024	82.94	22.39	11.12	14.88	--

Continue...

Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	18-01-2024	84.67	23.56	11.89	15.1	--
33.	22-01-2024	80.84	24.16	12.06	16.13	--
34.	25-01-2024	82.53	22.71	11.57	15.47	--
35.	29-01-2024	79.37	20.19	10.53	14.91	--
36.	01-02-2024	82.16	22.52	11.35	13.84	--
37.	05-02-2024	79.48	20.61	10.13	12.43	--
38.	08-02-2024	75.82	19.12	9.94	11.86	--
39.	12-02-2024	84.91	23.00	11.65	13.95	--
40.	15-02-2024	78.36	19.84	9.85	12.21	--
41.	19-02-2024	81.49	20.94	11.20	13.57	--
42.	22-02-2024	83.62	22.75	11.72	13.88	--
43.	26-02-2024	76.91	19.11	9.82	12.13	--
44.	29-02-2024	80.53	20.56	10.49	13.35	--
45.	04-03-2024	75.39	18.12	9.74	15.86	--
46.	07-03-2024	81.62	20.35	11.42	17.75	--
47.	11-03-2024	78.46	18.84	10.68	16.49	--

Continue...

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GPCB Recognized Environmental Auditor (Schedule-II)

ISO 9001 : 2015 Certified Company

ISO 45001 : 2018 Certified Company

Name of Location		SAMUDRA TOWNSHIP – STP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	14-03-2024	80.85	19.62	9.47	18.45	--
49.	18-03-2024	84.38	20.91	10.52	17.87	--
50.	21-03-2024	76.59	18.28	10.89	15.40	--
51.	25-03-2024	72.64	17.85	9.53	16.11	--
52.	28-03-2024	76.29	18.74	11.38	18.29	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	02-10-2023	67.53	22.14	15.36	19.13	NOT DETECTED
2.	05-10-2023	66.58	23.68	16.53	20.25	--
3.	09-10-2023	68.41	26.00	14.95	18.65	--
4.	12-10-2023	65.13	24.81	15.98	18.73	--
5.	16-10-2023	67.84	26.12	16.29	20.96	--
6.	19-10-2023	64.18	25.18	15.47	20.81	--
7.	23-10-2023	66.72	23.76	16.38	20.41	--
8.	26-10-2023	68.43	21.5	13.92	17.98	--
9.	30-10-2023	65.97	21.74	14.17	18.83	--
10.	02-11-2023	63.82	21.40	13.79	17.56	--
11.	06-11-2023	65.49	23.54	14.87	18.53	--
12.	09-11-2023	67.32	24.86	15.26	20.54	--
13.	13-11-2023	64.97	24.65	14.27	18.92	--
14.	16-11-2023	66.19	25.32	15.80	20.68	--
15.	20-11-2023	63.90	24.51	13.74	19.51	--

Continue...

Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	23-11-2023	62.68	22.91	14.36	18.27	--
17.	27-11-2023	57.55	21.16	13.31	17.43	--
18.	30-11-2023	61.36	22.69	14.17	19.11	--
19.	04-12-2023	60.52	22.17	14.21	18.52	--
20.	07-12-2023	63.84	23.56	14.86	19.02	--
21.	11-12-2023	65.97	25.10	16.11	20.43	--
22.	14-12-2023	63.40	24.31	15.42	19.45	--
23.	18-12-2023	62.61	23.97	14.58	18.12	--
24.	21-12-2023	64.12	24.85	15.76	19.87	--
25.	25-12-2023	65.73	25.16	16.11	20.19	--
26.	28-12-2023	67.86	26.54	16.83	21.36	--
27.	01-01-2024	67.89	26.32	16.57	20.21	NOT DETECTED
28.	04-01-2024	64.61	25.43	14.62	18.57	--
29.	08-01-2024	60.13	22.43	13.98	17.96	--
30.	11-01-2024	62.89	23.89	14.21	19.34	--
31.	15-01-2024	65.46	24.57	15.86	20.57	--

Continue...

Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	18-01-2024	67.13	26.79	16.75	21.64	--
33.	22-01-2024	64.37	23.81	15.26	20.46	--
34.	25-01-2024	66.84	25.76	16.58	21.54	--
35.	29-01-2024	65.92	24.93	14.26	19.18	--
36.	01-02-2024	64.38	25.63	15.26	19.61	--
37.	05-02-2024	66.14	26.59	16.41	20.13	--
38.	08-02-2024	62.61	24.42	14.55	18.48	--
39.	12-02-2024	58.49	21.96	13.57	17.85	--
40.	15-02-2024	63.52	24.13	14.49	18.37	--
41.	19-02-2024	66.16	26.37	16.31	21.14	--
42.	22-02-2024	62.57	23.86	14.67	19.85	--
43.	26-02-2024	59.61	22.18	13.94	17.63	--
44.	29-02-2024	64.79	24.26	15.63	20.07	--
45.	04-03-2024	67.18	25.29	16.1	19.42	--
46.	07-03-2024	64.38	23.42	13.86	17.27	--
47.	11-03-2024	61.29	24.42	15.38	20.15	--

Continue...

Name of Location		SAMUDRA TOWNSHIP CUSTOMER CARE				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	14-03-2024	64.68	23.12	15.84	19.87	--
49.	18-03-2024	58.73	21.82	13.45	17.63	--
50.	21-03-2024	62.35	23.64	15.42	20.14	--
51.	25-03-2024	59.85	22.11	14.64	19.25	--
52.	28-03-2024	56.24	20.85	13.72	17.36	--
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/ SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
1.	02-10-2023	70.63	26.81	18.52	24.36	0.10
2.	05-10-2023	75.28	28.64	17.93	22.57	0.09
3.	09-10-2023	78.42	27.39	18.46	24.72	0.10
4.	12-10-2023	80.51	31.26	19.32	26.23	0.10
5.	16-10-2023	72.79	29.74	18.11	23.58	0.10
6.	19-10-2023	76.31	30.85	20.13	25.61	0.09
7.	23-10-2023	70.83	31.69	20.36	24.91	0.10
8.	26-10-2023	78.42	28.71	17.83	22.67	0.10
9.	30-10-2023	75.15	26.47	18.65	23.61	0.09
10.	02-11-2023	72.56	27.43	17.89	23.41	0.11
11.	06-11-2023	70.16	25.96	16.29	22.15	0.10
12.	09-11-2023	75.48	28.85	18.92	24.35	0.10
13.	13-11-2023	79.36	30.27	18.97	25.76	0.11
14.	16-11-2023	77.15	29.61	18.37	24.88	0.11
15.	20-11-2023	75.12	27.43	17.02	23.55	0.10

Continue...

Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
16.	23-11-2023	72.16	25.89	16.30	21.79	0.10
17.	27-11-2023	75.62	27.46	17.51	24.36	0.11
18.	30-11-2023	71.23	25.19	16.76	22.42	0.10
19.	04-12-2023	77.16	29.51	19.15	24.62	0.10
20.	07-12-2023	75.60	28.13	18.62	23.48	0.10
21.	11-12-2023	76.43	29.84	19.1	23.14	0.11
22.	14-12-2023	74.36	28.42	18.25	22.89	0.10
23.	18-12-2023	71.52	25.48	17.43	22.36	0.10
24.	21-12-2023	73.64	26.85	17.59	23.06	0.10
25.	25-12-2023	77.31	28.47	19.36	25.87	0.11
26.	28-12-2023	74.89	26.48	18.35	24.71	0.10
27.	01-01-2024	73.68	26.78	17.61	23.83	NOT DETECTED
28.	04-01-2024	81.26	28.58	20.46	25.62	0.09
29.	08-01-2024	78.54	27.46	18.42	23.52	0.10
30.	11-01-2024	80.56	31.57	20.51	26.18	0.10
31.	15-01-2024	74.19	29.89	17.52	23.72	0.10

Continue...

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ISO 45001 : 2018 Certified Company

Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
32.	18-01-2024	76.44	31.02	18.91	24.13	0.09
33.	22-01-2024	73.69	31.55	17.86	23.73	0.10
34.	25-01-2024	80.17	28.84	20.16	25.31	0.10
35.	29-01-2024	75.12	26.44	17.26	23.43	0.09
36.	01-02-2024	77.31	28.25	18.36	22.47	0.09
37.	05-02-2024	80.69	29.45	19.74	24.12	0.10
38.	08-02-2024	78.18	28.89	18.64	23.08	0.09
39.	12-02-2024	74.42	26.14	17.92	22.16	0.10
40.	15-02-2024	70.32	24.13	16.55	21.43	0.09
41.	19-02-2024	75.17	26.46	18.03	22.73	0.10
42.	22-02-2024	72.29	24.70	16.81	20.78	0.09
43.	26-02-2024	78.77	27.42	18.13	23.61	0.10
44.	29-02-2024	73.12	25.82	17.53	22.19	0.10
45.	04-03-2024	75.83	26.37	16.82	21.25	0.10
46.	07-03-2024	72.83	24.85	16.10	20.53	0.09
47.	11-03-2024	76.92	26.65	17.31	22.68	0.09

Continue...

Name of Location		AIR STRIP				
Sr. No.	Date of Monitoring	Parameter with Results				
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	CO mg/m ³
48.	14-03-2024	81.54	28.37	15.86	20.41	0.09
49.	18-03-2024	78.54	26.71	16.43	22.56	0.10
50.	21-03-2024	80.73	28.94	17.25	21.86	0.10
51.	25-03-2024	75.49	27.24	15.91	20.17	0.10
52.	28-03-2024	79.74	29.61	16.38	22.63	0.09
Permissible Value as per NAAQMS		100.0	60.0	80.0	80.0	2.0
Test Method		IS - 5182, Part- 23	UERL/AIR/SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6	IS - 5182, Part - 10



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		SV2			
Sr. No.	Date of Monitoring	Parameter with Results			
		PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³
1.	08-02-2024	71.23	17.48	8.44	11.21
2.	12-02-2024	63.59	15.48	11.23	13.45
3.	15-02-2024	67.42	19.61	9.15	12.28
4.	19-02-2024	56.82	15.23	10.17	12.45
5.	22-02-2024	60.36	17.94	9.23	11.23
6.	26-02-2024	65.41	19.72	8.35	11.67
7.	29-02-2024	74.53	22.67	11.19	14.31
8.	04-03-2024	70.16	20.73	11.37	14.11
9.	07-03-2024	67.48	17.70	10.64	13.27
10.	11-03-2024	64.72	14.49	8.67	11.91
11.	14-03-2024	71.15	18.54	11.38	14.27
12.	18-03-2024	73.59	22.63	13.52	17.49
13.	21-03-2024	67.48	20.63	10.38	14.31
14.	25-03-2024	71.92	23.11	11.84	14.02
15.	28-03-2024	69.26	19.37	9.82	12.47

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GPCB Recognized Environmental Auditor (Schedule-II)

ISO 9001 : 2015 Certified Company

ISO 45001 : 2018 Certified Company

Permissible Value as per NAAQMS	100.0	60.0	80.0	80.0
Test Method	IS - 5182, Part- 23	UERL/AIR/SOP/11	IS - 5182, Part - 2	IS - 5182, Part - 6



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		PUB / Adani House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		02-10-2023	02-11-2023	04-12-2023	01-01-2024	01-02-2024	04-03-2024
1	06:00 to 07:00	64.2	62.5	63.1	62.5	63.5	61.9
2	07:00 to 08:00	62.8	65.1	66.3	65.7	65.4	63.2
3	08:00 to 09:00	58.7	68.2	64.8	64.8	64.7	65.7
4	09:00 to 10:00	61.8	63.9	65.3	66.1	65.9	64.3
5	10:00 to 11:00	68.7	67.8	68.2	67.2	66.5	65.7
6	11:00 to 12:00	63.4	65.2	66.5	66.5	67.2	66.3
7	12:00 to 13:00	68.3	61.3	63.7	64.3	65.3	63.7
8	13:00 to 14:00	63.9	65.9	67.4	67.4	66.8	64.2
9	14:00 to 15:00	62.5	62.6	64.6	65.9	66.1	64.8
10	15:00 to 16:00	62.9	63.7	65.1	65.1	66.9	65.7
11	16:00 to 17:00	65.5	65.4	66.4	67.1	67.5	67.9
12	17:00 to 18:00	63.3	65.3	67.3	65.7	64.3	66.2
13	18:00 to 19:00	61.8	69.1	65.9	64.2	63.8	64.6
14	19:00 to 20:00	68.3	65.2	63.2	63.2	62.7	63.8
15	20:00 to 21:00	64.2	63.8	62.6	62.6	63.9	62.3
16	21:00 to 22:00	63.6	61.2	60.8	61.2	62.3	60.8
Day Time		<75 dB (A)					

Continue...

Location Name		PUB / Adani House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		02-10-2023	02-11-2023	04-12-2023	01-01-2024	01-02-2024	04-03-2024
1	22:00 to 23:00	57.4	60.5	59.7	58.6	59.2	60.7
2	23:00 to 24:00	55.8	63.2	61.3	61.7	60.3	58.4
3	24:00 to 01:00	53.9	61.4	62.3	63.3	62.9	60.7
4	01:00 to 02:00	58.6	64.8	61.9	61.9	60.3	62.1
5	02:00 to 03:00	59.3	60.1	59.7	59.5	57.8	60.5
6	03:00 to 04:00	53.8	58.2	57.6	57.4	56.3	61.3
7	04:00 to 05:00	56.3	57.5	56.3	56.3	56.8	58.6
8	05:00 to 06:00	55.6	59.3	57.5	58.1	57.3	58.1

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		31-10-2023	29-11-2023	30-12-2023	31-01-2024	24-02-2024	27-03-2024
1	06:00 to 07:00	60.1	59.9	58.7	59.1	60.3	59.5
2	07:00 to 08:00	65.7	62.8	62.3	63.5	63.8	61.8
3	08:00 to 09:00	63.2	66.1	64.8	65.7	64.9	63.8
4	09:00 to 10:00	65.8	64.8	66.5	65.8	66.3	65.5
5	10:00 to 11:00	66.1	68.3	63.7	63.7	62.1	64.6
6	11:00 to 12:00	63.4	66.5	67.9	67.7	65.3	66.2
7	12:00 to 13:00	66.8	64.3	64.3	65.3	64.7	65.3
8	13:00 to 14:00	63.5	66.3	66.3	66.3	65.6	65.6
9	14:00 to 15:00	62.4	67.8	65.2	64.7	65.8	63.8
10	15:00 to 16:00	65.3	63.5	63.5	65.2	64.2	65.7
11	16:00 to 17:00	64.1	62.8	64.6	64.6	65.8	64.3
12	17:00 to 18:00	65.9	65.6	66.7	66.7	66.6	65.7
13	18:00 to 19:00	62.1	62.4	64.5	65.3	63.2	64.1
14	19:00 to 20:00	64.5	61.3	66.4	66.4	63.9	63.8
15	20:00 to 21:00	62.3	63.2	61.3	62.8	64.3	63.5
16	21:00 to 22:00	57.8	61.3	60.4	60.8	61.8	60.4
Day Time		<75 dB (A)					

Continue...

Location Name		Adani Guest House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		31-10-2023	29-11-2023	30-12-2023	31-01-2024	24-02-2024	27-03-2024
1	22:00 to 23:00	59.3	58.8	59.5	60.2	59.7	60.5
2	23:00 to 24:00	57.4	55.3	58.6	59.6	60.3	63.6
3	24:00 to 01:00	55.4	54.9	60.5	62.3	61.8	62.5
4	01:00 to 02:00	53.9	56.4	59.4	60.7	61.4	61.4
5	02:00 to 03:00	60.5	58.4	57.2	58.4	60.7	60.7
6	03:00 to 04:00	57.5	60.1	55.8	56.3	58.6	60.5
7	04:00 to 05:00	55.9	58.6	57.6	58.7	56.2	58.3
8	05:00 to 06:00	59.6	57.7	56.3	57.1	57.3	56.9

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		WTP- Nr. CETP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		07-10-2023	04-11-2023	09-12-2023	13-01-2024	10-02-2024	09-03-2024
1	06:00 to 07:00	59.4	63.6	60.9	61.5	63.0	63.4
2	07:00 to 08:00	60.4	66.8	62.3	63.7	62.3	61.9
3	08:00 to 09:00	67.1	58.9	65.8	64.3	63.9	63.9
4	09:00 to 10:00	65.8	62.4	64.3	63.8	65.2	64.7
5	10:00 to 11:00	68.6	67.8	65.7	64.9	63.6	63.6
6	11:00 to 12:00	65.2	69.5	68.3	67.4	66.8	65.8
7	12:00 to 13:00	67.1	68.1	66.3	65.9	66.2	66.2
8	13:00 to 14:00	65.3	65.5	68.9	67.3	64.5	63.8
9	14:00 to 15:00	68.3	62.3	64.5	64.2	67.3	65.8
10	15:00 to 16:00	67.3	66.9	67.8	66.8	65.1	66.8
11	16:00 to 17:00	65.1	67.4	64.2	64.2	66.3	66.3
12	17:00 to 18:00	64.3	60.5	61.3	61.3	64.1	65.1
13	18:00 to 19:00	65.8	61.8	64.5	64.5	65.3	63.7
14	19:00 to 20:00	60.4	60.2	62.8	63	62.1	64.8
15	20:00 to 21:00	63.7	59.3	58.7	58.7	57.9	57.5
16	21:00 to 22:00	61.3	57.7	58.1	59.6	60.2	59.8
Day Time		<75 dB (A)					

Continue...

Location Name		WTP- Nr. CETP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		07-10-2023	04-11-2023	09-12-2023	13-01-2024	10-02-2024	09-03-2024
1	22:00 to 23:00	60.5	58.6	59.6	59.2	57.7	58.2
2	23:00 to 24:00	58.6	60.2	63.5	62.3	60.3	59.5
3	24:00 to 01:00	56.2	57.6	62.8	64.7	63.5	61.4
4	01:00 to 02:00	60.7	58.2	63.4	61.2	60.8	63.5
5	02:00 to 03:00	58.4	55.5	61.8	61.8	62.7	63.8
6	03:00 to 04:00	60.3	57.8	59.6	60.6	59.6	62.3
7	04:00 to 05:00	56.4	61.2	60.7	61.2	58.9	60.7
8	05:00 to 06:00	57.1	58.9	59.1	60.3	58.7	59.1

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		SAMUDRA TOWNSHIP – STP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		14-10-2023	11-11-2023	12-12-2023	20-01-2024	14-02-2024	13-03-2024
1	06:00 to 07:00	61.7	61.3	63.1	64.2	62.9	62.9
2	07:00 to 08:00	63.9	63.4	65.7	65.6	65.8	64.3
3	08:00 to 09:00	65.4	66.7	64.5	64.5	65.7	65.7
4	09:00 to 10:00	68.1	63.3	66.1	66.1	67.8	66.2
5	10:00 to 11:00	65.7	68.2	68.2	68.4	65.3	65.3
6	11:00 to 12:00	69.4	65.4	64.7	64.7	63.9	63.8
7	12:00 to 13:00	66.3	63.9	63.9	63.9	65.7	64.7
8	13:00 to 14:00	62.9	67.1	66.5	65.7	65.9	66.7
9	14:00 to 15:00	65.4	64.7	65.9	65.7	64.3	64.3
10	15:00 to 16:00	69.1	65.5	63.7	63.8	62.6	64.1
11	16:00 to 17:00	65.5	62.7	65.1	65.1	64.8	64.8
12	17:00 to 18:00	67.1	69.2	68.7	68.5	67.1	67.4
13	18:00 to 19:00	63.5	64.3	65.2	65.3	64.1	63.9
14	19:00 to 20:00	62.8	62.3	64	65.2	66.3	65.6
15	20:00 to 21:00	65.2	60.6	62.6	63.2	62.8	63.1
16	21:00 to 22:00	63.6	61.5	60.7	61.4	62.4	61.9
Day Time		<75 dB (A)					

Continue...

Location Name		SAMUDRA TOWNSHIP – STP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		14-10-2023	11-11-2023	12-12-2023	20-01-2024	14-02-2024	13-03-2024
1	22:00 to 23:00	58.2	56.9	57.2	57.6	59.1	60.5
2	23:00 to 24:00	56.7	54.3	59.8	60.1	58.6	58.6
3	24:00 to 01:00	59.9	56.5	60.2	62.5	60.3	61.2
4	01:00 to 02:00	58.9	57.3	62.9	63.8	62.7	63.4
5	02:00 to 03:00	56.3	54.8	60.7	61.2	63.2	62.4
6	03:00 to 04:00	58.7	59.2	57.9	58.9	61.4	61.4
7	04:00 to 05:00	60.5	55.1	60.3	60.3	60.5	59.7
8	05:00 to 06:00	59.5	57.4	58.9	59.7	57.3	57.5

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		SAMUDRA TOWNSHIP CUSTOMER CARE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		21-10-2023	18-11-2023	16-12-2023	23-01-2024	17-02-2024	16-03-2024
1	06:00 to 07:00	58.5	58.4	59.6	60.7	59.6	57.5
2	07:00 to 08:00	60.2	61.7	63.5	62.8	60.6	60.6
3	08:00 to 09:00	62.6	64.9	66.4	65.7	66.8	63.7
4	09:00 to 10:00	65.8	66.8	64.8	64.8	65.3	65.3
5	10:00 to 11:00	68.9	64.5	67.3	66.6	65.4	63.9
6	11:00 to 12:00	66.4	63.3	65.8	66.3	65.7	65.7
7	12:00 to 13:00	65.6	66.1	64.2	65.1	64.3	62.8
8	13:00 to 14:00	63.2	62.3	68.2	68.2	64.9	64.9
9	14:00 to 15:00	67.8	61.8	63.9	63.7	67.4	66.4
10	15:00 to 16:00	65.4	63.2	65.1	65.1	66.1	65.8
11	16:00 to 17:00	61.9	65.4	67.2	67.2	66.7	66.3
12	17:00 to 18:00	63.7	66.6	65.3	66.8	65.3	65.3
13	18:00 to 19:00	59.9	62.1	64.8	66.2	65.9	64.7
14	19:00 to 20:00	62.4	65.5	63.2	64.3	62.1	62.1
15	20:00 to 21:00	64.5	61.8	60.3	61.8	60.6	58.7
16	21:00 to 22:00	60.8	59.8	58.9	59.6	58.6	60.1
Day Time		<75 dB (A)					

Continue...

Location Name		SAMUDRA TOWNSHIP CUSTOMER CARE					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		21-10-2023	18-11-2023	16-12-2023	23-01-2024	17-02-2024	16-03-2024
1	22:00 to 23:00	55.8	58.1	59.8	60.1	58.5	59.3
2	23:00 to 24:00	58.4	56.4	61.3	62.3	60.1	60.1
3	24:00 to 01:00	60.5	58.1	63.7	63.7	64.3	62.5
4	01:00 to 02:00	57.1	56.9	60.5	61.7	62.4	62.4
5	02:00 to 03:00	58.8	55.4	58.6	58.4	60.7	60.7
6	03:00 to 04:00	55.3	58.2	60.2	61.3	62.3	63.1
7	04:00 to 05:00	57.2	60.3	59.6	59.7	58.6	60.2
8	05:00 to 06:00	58.1	59.3	56.7	57.3	55.8	56.4

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		AIR STRIP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		28-10-2023	25-11-2023	23-12-2023	27-01-2024	21-02-2024	23-03-2024
1	06:00 to 07:00	61.3	62.7	61.3	61.5	63.1	61.7
2	07:00 to 08:00	63.7	68.5	66.7	65.7	66.3	63.8
3	08:00 to 09:00	65.8	65.5	64.2	64.2	62.5	62.5
4	09:00 to 10:00	61.4	63.3	66.9	66.9	65.8	65.4
5	10:00 to 11:00	63.7	66.8	64.8	64.8	63.2	64.1
6	11:00 to 12:00	65.1	62.8	67.4	64.6	65.6	65.3
7	12:00 to 13:00	67.4	68.2	63.5	66.8	67.1	66.5
8	13:00 to 14:00	68.0	65.6	65.6	65.6	64.3	65.7
9	14:00 to 15:00	63.7	64.2	64.2	65.1	66.9	66.8
10	15:00 to 16:00	62.7	67.8	68.1	68.3	67.3	67.1
11	16:00 to 17:00	65.1	63.6	66.3	66.3	64.2	64.2
12	17:00 to 18:00	63.2	67.2	63.1	63.1	64.5	65.3
13	18:00 to 19:00	61.3	68.7	61.9	61.5	63.7	62.8
14	19:00 to 20:00	58.9	66.7	64.8	63.7	64.6	64.6
15	20:00 to 21:00	60.4	63.5	62.7	63.6	64.8	62.4
16	21:00 to 22:00	61.2	60.9	61.2	61.5	60.2	61.7
Day Time		<75 dB (A)					

Continue...

Location Name		AIR STRIP					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		28-10-2023	25-11-2023	23-12-2023	27-01-2024	21-02-2024	23-03-2024
1	22:00 to 23:00	57.1	60.3	62.3	62.3	60.2	62.1
2	23:00 to 24:00	54.8	58.7	64.3	64.8	62.4	61.8
3	24:00 to 01:00	58.7	63.5	62.8	64.5	63.5	63.8
4	01:00 to 02:00	56.2	60.7	61.7	63.6	63.8	63.1
5	02:00 to 03:00	59.3	58.6	60.4	62.1	61.4	61.4
6	03:00 to 04:00	61.3	61.3	58.9	59.7	60.3	62.7
7	04:00 to 05:00	58.3	59.6	60.1	61.3	59.2	59.2
8	05:00 to 06:00	60.2	61.8	58.5	58.9	57.5	58.2

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		SV2	
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time	
		28-02-2024	30-03-2024
1	06:00 to 07:00	60.3	61.6
2	07:00 to 08:00	62.4	64.3
3	08:00 to 09:00	61.3	65.8
4	09:00 to 10:00	64.4	62.7
5	10:00 to 11:00	63.8	64.2
6	11:00 to 12:00	62.9	66.3
7	12:00 to 13:00	65.2	65.3
8	13:00 to 14:00	63.4	63.8
9	14:00 to 15:00	61.3	62.4
10	15:00 to 16:00	63.5	64.7
11	16:00 to 17:00	64.8	63.6
12	17:00 to 18:00	62.8	64.1
13	18:00 to 19:00	65.5	62.4
14	19:00 to 20:00	63.2	61.9
15	20:00 to 21:00	60.7	60.3
16	21:00 to 22:00	59.3	61.2
Day Time		<75 dB (A)	

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GPCB Recognized Environmental Auditor (Schedule-II)

ISO 9001 : 2015 Certified Company

ISO 45001 : 2018 Certified Company

Location Name		SV2	
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time	
		28-02-2024	30-03-2024
1	22:00 to 23:00	58.4	60.1
2	23:00 to 24:00	58.8	59.4
3	24:00 to 01:00	60.3	58.4
4	01:00 to 02:00	61.7	60.3
5	02:00 to 03:00	59.4	61.2
6	03:00 to 04:00	57.5	59.3
7	04:00 to 05:00	57.8	58.3
8	05:00 to 06:00	56.2	57.5

Night Time	<70 dB (A)
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Test Method	IS: 9989 : 1981
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Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring

Monitoring Period: **October - 2023 to March - 2024**

Sr. No.	Parameter	Unit	Adani Hospital DG Set		GPCB LIMIT	Method of Test
			Nav-23			
			09-11-2023			
1	Particulate Matter	mg/Nm ³	18.54		150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	7.21		100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	24.76		50	IS 11255 (Part - 7)

Sr. No.	Parameter	Unit	WTP Nr CETP D.G.Set No. S-1 (380 KVA)		GPCB LIMIT	Method of Test
			Mar-24			
			08-03-2024			
1	Particulate Matter	mg/Nm ³	21.85		150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	7.80		100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	30.42		50	IS 11255 (Part - 7)



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring

Monitoring Period: **October - 2023 to March - 2024**

Sr. No.	Parameter	Unit	Adani House D.G.Set No. S-1 (750 KVA)	GPCB LIMIT	Method of Test
			Mar-24		
			26-03-2024		
1	Particulate Matter	mg/Nm ³	20.93	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	9.25	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	23.98	50	IS 11255 (Part - 7)

Sr. No.	Parameter	Unit	D.G.Set No. S-2 (500 KVA –PUB)	GPCB LIMIT	Method of Test
			Mar-24		
			26-03-2024		
1	Particulate Matter	mg/Nm ³	20.11	150	IS 11255 (Part - 1)
2	Sulfur Dioxide as SO ₂	ppm	8.40	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO _x	ppm	32.62	50	IS 11255 (Part - 7)



Nikunj D. Patel
(Chemist)




Jaivik S. Tandel
(Manager - Operations)

RESULTS OF CETP INLET WATER

SR.NO.	TEST PARAMETERS	UNIT	CETP INLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24		
			10-10-2023	22-11-2023	26-12-2023	23-01-2024	02-02-2024	04-03-2024		
1.	pH @ 27 ° C	--	7.95	7.48	7.44	7.83	7.74	7.52	6.5 to 8.5	APHA 23 rd Ed.,2017,4500-H ⁺ B
2.	Temperature	°C	30.5	30	29.5	29	29.5	30	--	IS 3025(Part 9)1984
3.	Colour	Pt. Co. Scale	70	80	70	70	80	70	100	IS 3025(Part 4)
4.	Total SuspeNOT DETECTED Solids	mg/L	50	44	46	48	44	42	800	APHA 23 rd Ed.,2017,2540 –D
5.	Oil & Grease	mg/L	6.5	6	5.8	5.5	5.2	5.3	20	IS 3025(Part39)1991, Amd. 2
6.	Phenolic CompouNOT DETECTED	mg/L	0.74	0.77	0.68	0.67	0.71	0.84	2	IS 3025(Part 43)1992, Amd.2
7.	Fluoride	mg/L	0.94	0.88	0.86	0.92	0.94	1.06	2	APHA 23 rd Ed.,2017,4500 F, D
8.	Iron as Fe	mg/L	0.274	0.281	0.288	0.292	0.284	0.242	3	IS 3025(Part 53)2003,
9.	Zinc as Zn	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	0.131	BDL(MDL:0.05)	0.122	0.111	15	IS 3025(Part 49)1994
10.	Trivalent Chromium	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	3	By Calculation
11.	Sulphide	mg/L	BDL(MDL:0.05)	1.12	1.2	BDL(MDL:0.05)	1.25	1.16	2	APHA 23 rd Ed.,2017,4500-H ⁺ B

Continue...

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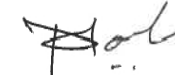
ISO 9001 : 2015 Certified Company

ISO 45001 : 2018 Certified Company

SR.NO.	TEST PARAMETERS	UNIT	CETP INLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24		
			10-10-2023	22-11-2023	26-12-2023	23-01-2024	02-02-2024	04-03-2024		
12.	Ammonical Nitrogen	mg/L	32.2	27.1	26.9	33.5	30.1	30.2	50	IS 3025(Part 9)1984
13.	BOD (3 days at 27 °C)	mg/L	78	79	80	81	79	82	1000	IS 3025(Part 4)
14.	COD	mg/L	280	283.4	288	292	284.4	290	2000	APHA 23 rd Ed.,2017,2540 –D
15.	Chloride (as Cl ⁻)	mg/L	718.8	824.4	744.2	838.9	810.5	842.2	1000	IS 3025(Part39)1991, Amd. 2
16.	Sulphate (as SO ₄)	mg/L	67.1	70.4	71.2	66	66.6	62	1000	IS 3025(Part 43)1992, Amd.2
17.	Total Dissolved Solids	mg/L	1580	1780	1790	1580	1620	1620	2100	APHA 23 rd Ed.,2017,4500 F, D
18.	Total Residual Chlorine	mg/L	0.74	0.89	0.91	0.92	0.81	0.78	2	IS 3025(Part 53)2003,
19.	Copper as Cu	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	3	IS 3025(Part 49)1994



Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF CETP OUTLET WATER

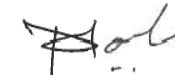
SR.NO.	TEST PARAMETERS	UNIT	CETP OUTLET						GPCB Permissible Limit CETP Outlet	TEST METHOD
			Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24		
			10-10-2023	22-11-2023	26-12-2023	23-01-2024	02-02-2024	04-03-2024		
1.	pH @ 27 °C	--	7.89	7.44	7.52	7.8	7.52	7.46	6.0 – 9.0	APHA 23 rd Ed.,2017,4500-H+B
2.	Temperature	°C	30.5	30	29.5	29	29.5	30	Shall not exceed more than 5 °C above received water temperature	IS 3025(Part 9)1984
3.	Colour	Pt. Co. Scale	50	50	50	50	45	50	100	IS 3025(Part 4)
4.	Total SuspeNOT DETECTED Solids	mg/L	16	14	14	16	16	14	100	APHA 23 rd Ed.,2017,2540 –D
5.	Oil & Grease	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	10	IS 3025 (Part39)1991, Amd. 2
6.	Phenolic CompouNOT DETECTED	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	1	IS 3025(Part 43)1992, Amd.2
7.	Fluoride	mg/L	0.88	0.78	0.82	0.89	0.79	0.88	2	APHA 23 rd Ed.,2017,4500F, D
8.	Iron as Fe	mg/L	0.155	0.16	0.174	0.154	0.16	0.154	3	IS 3025(Part 53)2003,
9.	Zinc as Zn	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	15	IS 3025(Part 49)1994
10.	Trivalent Chromium	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	2	By Calculation

Continue...

SR.NO.	TEST PARAMETERS	UNI T	CETP OUTLET						GPCB Permissible Limit CETP Inlet	TEST METHOD
			Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24		
			10-10-2023	22-11-2023	26-12-2023	23-01-2024	02-02-2024	04-03-2024		
11.	Sulphide	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	2	APHA 23 rd Ed.,2017,4500-H+B
12.	Ammonical Nitrogen	mg/L	17.2	18.4	18.5	19.2	17.6	19.2	50	IS 3025(Part 9)1984
13.	BOD (3 days at 27 °C)	mg/L	32	34	37	33	32	34	100	IS 3025(Part 4)
14.	COD	mg/L	110	116	134.2	108.6	110.4	118.2	250	APHA 23 rd Ed.,2017,2540 –D
15.	Chloride (as Cl) ⁻	mg/L	709.6	785.9	774.2	766.5	710.4	730.4	1000	IS 3025(Part39)1991, Amd. 2
16.	Sulphate (as SO ₄)	mg/L	66	66.8	67.2	68	62.4	59.4	1000	IS 3025(Part 43)1992, Amd.2
17.	Total Dissolved Solids	mg/L	1560	1598	1600	1574	1654	1612	2100	APHA 23 rd Ed.,2017,4500F, D
18.	Total Residual Chlorine	mg/L	0.72	0.84	0.78	0.84	0.88	0.72	1	IS 3025(Part 53)2003,
19.	Copper as Cu	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	3	IS 3025(Part 49)1994
20.	Bio Assay test (%)	%	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	90 % survival of fish after 96 hrs. in 100% effluent	IS:6582-1971



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RESULTS OF BOREHOLE WATER SAMPLE

Sr. No	Parameters	Method	Unit	12-02-2024	12-02-2024	12-02-2024	12-02-2024
				Nr. PUB Building.	Nr. CETP	Nr.flyover bridge	Dhrub
1	pH @ 25 ° C	IS 3025(Part 11)1983	--	7.14	8.18	7.65	8.12
2	Salinity	APHA 23rd Ed.,2017,2520 B	ppt	18.24	1.77	7.42	1.65
3	Oil & Grease	IS 3025(Part39)1991, Amd. 2	mg/L	BDL(MDL:5.0)	BDL(MDL:5.0)	BDL(MDL:5.0)	BDL(MDL:5.0)
4	Hydrocarbon	GC/GCMS	mg/L	Not Detected	Not Detected	Not Detected	Not Detected
5	Lead as Pb	IS 3025 (PART 47) 1994	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)
6	Arsenic as As	APHA 23rd Ed.,2017,3114-C	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)
7	Nickel as Ni	IS 3025 (PART 54) 2003	mg/L	BDL(MDL:0.02)	BDL(MDL:0.02)	0.097	BDL(MDL:0.02)
8	Total Chromium as Cr	IS 3025 (PART 52) 2003	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)
9	Cadmium as Cd	IS 3025(PART 41) 1992	mg/L	0.142	0.036	0.023	BDL(MDL:0.003)
10	Mercury as Hg	APHA 23rd Ed.,2017, 3112-B	mg/L	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)
11	Zinc as Zn	IS 3025(PART 49) 1994	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	0.141	BDL(MDL:0.05)
12	Copper as Cu	IS 3025 (PART 42) 1992	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)
13	Iron as Fe	IS 3025(PART 53) 2003	mg/L	0.125	0.322	0.182	BDL(MDL:0.1)
14	Insecticides/Pesticides	USEPA 8081 B	µg/L	Absent	Absent	Absent	Absent
15	Depth of Water Level from Ground Level	--	meter	2.1	2.1	2.1	2.12



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RESULTS OF SOIL SAMPLE

SR.NO.	TEST PARAMETERS	UNIT	01-09-2023	01-09-2023	01-09-2023	01-09-2023
			PUB Building	Dhrub	Near Flyover Bridge	Near CETP
1	pH	--	8.86	8.84	8.67	9.08
2	Nitrogen as N	%	0.13	0.38	0.33	0.46
3	Phosphorus as P	mg/kg	1244.6	690.4	868.2	5114.2
4	Potassium as K	mg/kg	46.2	1290	228.4	152.3
5	Baron as B	mg/kg	1.75	2.06	2.14	3.05
6	Calcium as Ca	mg/kg	326.4	3510.2	1012	412.3
7	Magnesium as Mg	mg/kg	155.8	5702.5	441.5	66.4
8	Iron as Fe	%	0.59	1.34	0.86	1.02
9	Moisture	%	0.55	3.15	0.55	1.84
10	Organic Matter	%	0.61	1.62	1.33	1.56
11	Cation exchange capacity (CEC)	meq/100gm	9.68	15.4	10.24	10.11
12	TVC	CFU/gm	2.6x10 ⁶	2.8 x 10 ⁶	2.4 x 10 ⁶	2.2 x 10 ⁶
13	Cadmium as Cd	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)
14	Thorium as Th	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)
15	Antimony as Sb	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)
16	Arsenic as As	mg/kg	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)	BDL(MDL:1.0)

Continue...

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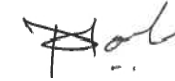
ISO 9001 : 2015 Certified Company

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17	Lead as Pb	mg/kg	9.98	9.24	17.64	7.38
18	Chromium as Cr	mg/kg	3.41	9.12	3.88	4.34
19	Cobalt as Co	mg/kg	9.78	10.45	8.69	9.94
20	Copper as Cu	mg/kg	8.11	11.62	30.52	16.2
21	Nickel as Ni	mg/kg	11.8	15.02	13.22	13.92
22	Manganese and Mn	mg/kg	398.6	223.8	218.6	182.24
23	Vanadium as V	mg/kg	7.52	8.02	8.55	8.33



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Minimum Detection Limit

Ambient Air Quality Monitoring

Sr. No.	Test Parameter	Unit	MDL
1	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
2	Particulate Matter (PM10)	µg/m ³	5 µg/m ³
3	Sulphur Dioxide (SO ₂)	µg/m ³	4 µg/m ³
4	Nitrogen Dioxide (NO ₂)	µg/m ³	5 µg/m ³
5	Carbon Monoxide (CO)	mg/m ³	1-30 mg/m ³
6	Ammonia (NH ₃)	µg/m ³	5 µg/m ³
7	Ozone (O ₃)	µg/m ³	5 µg/m ³
8	Lead (Pb)	µg/m ³	0.5 µg/m ³
9	Nickle (Ni)	ng/m ³	1 ng/m ³
10	Arsenic (As)	ng/m ³	1 ng/m ³
11	Benzene	µg/m ³	1µg/m ³
12	Benzo(o)Pyrene	ng/m ³	0.1 ng/m ³
14	Hydro Carbon	µg/m ³	1 µg/m ³

Stack Emission Monitoring

Sr. No.	Test Parameter	Unit	MDL
1	Suspended particulate matter	mg/Nm ³	2 mg/Nm ³
2	Sulphur Dioxide SO _X	mg/Nm ³	4 mg/Nm ³
3	Oxides of Nitrogen NO _X	mg/Nm ³	5 mg/Nm ³

CETP water

Sr. No.	Test Parameter	Unit	MDL
1	pH @ 27 ° C	--	2
2	Temperature	OC	5
3	Colour	Pt. Co. Scale	5
4	Total Suspended Solids	mg/L	4
5	Oil & Grease	mg/L	2
6	Phenolic Compound	mg/L	0.1
7	Fluoride	mg/L	0.2
8	Iron as Fe	mg/L	0.1
9	Zinc as Zn	mg/L	0.05
10	Trivalent Chromium	mg/L	0.05
11	Sulphide	mg/L	0.05
12	Ammonical Nitrogen	mg/L	2
13	BOD (3 days at 27 OC)	mg/L	1
14	COD	mg/L	2
15	Chloride (as Cl) ⁻	mg/L	1
16	Sulphate (as SO ₄)	mg/L	1
17	Total Dissolved Solids	mg/L	4
18	Total Residual Chlorine	mg/L	0.1
19	Copper as Cu	mg/L	0.05
20	Bio Assay test (%)	%	--

STP OUTLET

Sr. No.	Test Parameter	Unit	MDL
1	pH @ 25 ° C	--	2
2	Total Suspended Solids	mg/L	4
3	Biochemical Oxygen Demand (BOD) (5 days at 20 ° C)	mg/L	1
4	Residual chlorine	mg/L	0.1
5	Fecal Coliform	MPN Index/100ml	