APSEZL/EnvCell/2025-26/079 **Date:** 22.11.2025

To,

The Inspector General of Forest / Scientist C,
Integrated Regional Office (IRO),
Ministry of Environment, Forest and Climate Change,
Karmayogi Bhawan,
Block-3, F-2 Wing, 5th Floor,
Near CH-3 Circle, Sector – 10A
Gandhinagar – 382010.
E-mail: eccompliance-guj@gov.in, iro.gandhingr-mefcc@gov.in

Sub : Half yearly Compliance report of Environment and CRZ Clearance for "Handling facility of General Cargo / LPG /Chemicals and their storage terminal at Navinal Island, Mundra taluka of Kutch district, Gujarat"

Ref : Environment and CRZ clearance granted to M/s Adani Ports & SEZ Limited vide letter dated 25th August 1995 bearing no. J-16011/13/95-IA.III

Dear Sir,

Please refer to the above cited reference for the said subject matter. In connection to the same, it is to state that copy of the compliance report for the Environmental and CRZ Clearance for the period of April 2025 to September 2025 is being duly uploaded on the Parivesh Portal.

Additionally, a soft copy of the same is being submitted through soft copy (e-mail communication).

Kindly consider the above submission and acknowledge.

Thank you,
Yours Faithfully,
For, **M/s Adani Ports and Special Economic Zone Limited**

Bhagwat Swaroop Sharma
Head – Environment
Mundra & Tuna Port

Encl: As above

Copy to:

1) The Director (IA Division), Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003.
2) The Zonal Officer, Regional Office, CPCB – Western Region, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara – 390023.
3) The Member Secretary, GPCB – Head Office, Paryavaran Bhavan, Sector 10 A, Gandhi Nagar – 382010.
4) The Director, Forests & Environment Department, Block – 14, 8th floor, Sachivalaya, Gandhi Nagar – 382010.
5) The Regional Officer, Regional Office GPCB (Kutch-East), Gandhidham – 370201.

Adani Ports and Special Economic Zone Ltd
Adani House,
PO Box No. 1
Mundra, Kutch 370 421
Gujarat, India
CIN: L63090GJ1998PLC034182

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Registered Office: Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad – 382421, Gujarat, India

adani
Ports and Logistics

Environmental Clearance Compliance Report

Multi-Purpose Jetty and Storage Facilities at Navinal Island, Mundra, Dist. Kutch, Gujarat

of

Adani Ports and Special Economic Zone Limited

For the Period of:

April-2025 to September-2025

Index

The chronology of company name change from **Adani Port Limited** to **Adani Ports and Special Economic Zone Ltd.** was submitted along with half yearly EC Compliance report for the period Oct'20 to Mar'21.

adani Ports and Logistics	**Adani Ports and Special Economic Zone Limited, Mundra.**	**From: Apr'25** **To : Sep'25**

Status of the Conditions Stipulated in Environment and CRZ Clearance

Half yearly Compliance Report (HYCR) of Environment and CRZ Clearance (EC) for "Handling facility of General Cargo / LPG /Chemicals and their Storage Terminal at Navinal Island, Mundra Taluka of Kutch District, Gujarat" issued vide letter no. J-16011/13/95-IA.III dated 25-08-1995.

Sr. No.	Conditions	Compliance Status as on 30-09-2025
2(i)	All construction designs / drawings relating to various project activities should have the approval of the concerned State Government departments / Agencies.	Complied All construction activities have been carried out in line with the CRZ recommendation and permissions granted.
2(ii)	To prevent discharge of bilge wastes, sewage and other liquid wastes from the oil tankers / ships into marine environment, adequate system for collection, treatment and disposal of liquid wastes including shoreline installation and special hose connections for ships to allow for discharge of sewage must be provided.	Complied Ships berthing at Mundra Port comply with MARPOL regulations. No discharge such as bilge wastes, sewage or any other liquid wastewater is allowed into marine environment inside port limits. APSEZL has adequate Waste Reception facility as per MARPOL and DG Shipping regulations. The port has reception facility for all MARPOL waste streams (Annex-I, Annex-II, Annex-IV & Annex-V) that is generated from vessels. APSEZL has not received any sewage/liquid waste from ships / vessels till date. As a general practice APSEZ provides facility for receiving slop / waste oil from vessels through hose connection with oil tankers. These tankers divert slop / waste oil to an Oil water separator system where water and oil particles are separated. Separated oil is being sold to authorized recycler /re-processor. However, no slope / waste oil was received during the compliance period.
2(iii)	The quality of treated effluents, solid wastes, emissions and noise levels etc. must confirm to the standards laid down by the competent authorities	Complied. ETP is provided to treat wastewater/wash water. Also, the sewage generated from port is being treated in designated ETP. Treated water is used for horticultural purposes. Quality of treated water confirms to the

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status as on 30-09-2025</th></tr>
<tr><td></td><td>including the central and State Pollution Control Boards under the Environment (Protection) act, 1986 whichever are more stringent.</td><td>standard laid down by Gujarat Pollution Control Board (GPCB).

<table>
<tr><th>Location</th><th>Capacity</th><th>Quantity of Treated Water (Avg. from Apr'25 to Sep'25)</th><th>Type of ETP / STP</th></tr>
<tr><td>LT</td><td>265 KLD</td><td>159.74 KLD</td><td>Activated Sludge</td></tr>
</table>

Entire treated water from ETP / STP is being utilized on land for horticulture purposes within port premises after achieving prescribed permissible limits.

Summary of ETP treated water analysis results during compliance period is mentioned below.

Frequency of Analysis: Once in a month

<table>
<tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Average</th><th>Perm. Limit[$]</th></tr>
<tr><td>pH</td><td>--</td><td>6.91</td><td>7.74</td><td>7.43</td><td>6.5 – 8.5</td></tr>
<tr><td>SS</td><td>mg/L</td><td>22</td><td>74</td><td>33.67</td><td>100</td></tr>
<tr><td>TDS</td><td>mg/L</td><td>710</td><td>1120</td><td>890.67</td><td>2100</td></tr>
<tr><td>COD</td><td>mg/L</td><td>72.4</td><td>88.4</td><td>82.73</td><td>100</td></tr>
<tr><td>BOD</td><td>mg/L</td><td>21</td><td>26</td><td>23.58</td><td>30</td></tr>
<tr><td>Ammonical Nitrogen as NH_3-N</td><td>mg/L</td><td>22.6</td><td>35.4</td><td>28.08</td><td>50</td></tr>
</table>
[$] as per CC&A granted by GPCB

The quality of marine water, treated effluents, air emissions and noise levels are being regularly analyzed by NABL accredited and MoEF&CC recognized agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Please refer Annexure – 1.

Monitoring and analysis of ETP treated waste is also carried out regularly through in-house laboratory for the parameters such as pH, TDS, TSS, COD, Chlorides, and residual chlorine.

Please refer Annexure – 1 for detailed analysis reports</td></tr>
</table>

Sr. No.	Conditions	Compliance Status as on 30-09-2025
		for the period Apr'25 to Sep'25. Approx. INR 8.73 Lakh is spent for all environmental monitoring activities during the FY 2025-26 till Sep'25 for overall APSEZ. It is also noted that GPCB is doing regular site inspection along with wastewater sampling and analysis. The last visit was carried out by GPCB dated 30.01.2025 and treated water samples were collected for analysis. Sample analysis report was collected and the same was submitted along with HYCR for the period Oct'24 to Mar'25, which shows all the parameters are well within the permissible limits. **Waste Management** – APSEZ has adopted 5R concept for environmentally sound management of different types of solid & liquid wastes. Please refer below details about management of each type of waste. **Non-Hazardous Solid Waste**: A well-established system for segregation of dry & wet waste is in place. All wet waste (Organic waste) is being segregated & utilized for compost manufacturing and/or biogas generation for cooking purpose. The compost is further used by in-house horticulture team for greenbelt development. Whereas dry recyclable waste is being sorted into various categories. Presently manual sorting is being done for sorting different types of solid waste. Segregated recyclable materials such as Paper, Plastic, Cardboard, PET Bottles, and Glasses, etc. are then sent to respective recycling units, whereas remaining non-recyclable waste is bailed and sent to cement plant (M/s. Ambuja Cement Ltd., Kodinar) for Co-processing as RDF (Refused Derived Fuel). APSEZ, Mundra is certified for Zero Waste to Landfill management system (Certificate No.: CII/ZWL/2025/001 valid up to 22.12.2027) by Confederation of Indian Industry (CII). The copy of certified for Zero Waste to Landfill management system was submitted along with HYCR for the period Oct'24 to Mar'25. **Hazardous & Other Waste**: • Bio medical waste generated from OHCs and Adani Hospital is being disposed at Common Bio Medical

Sr. No.	Conditions	Compliance Status as on 30-09-2025
		Waste Treatment Facility namely M/s. Distromed Kutch Services Pvt. Ltd., Bhuj. • E – Waste is being sold to GPCB registered recyclers namely M/s. Galaxy Recycling, Rajkot. • Used Batteries are being sold to GPCB registered recyclers namely Sabnam Enterprise, Kutch and S K Metal Industries, Rajkot. • Solid Hazardous Waste is being disposed through co-processing / incineration through common facility i.e. M/s. Saurashtra Enviro Projects Pvt. Ltd., Bhachau, M/s. Safe Enviro Private Limited, Bharuch and/or cement industries of Ambuja Cement Ltd., Kodinar. • Used/Waste Oil is being sold to GPCB authorized recyclers / re-processors namely M/s. Western India Petro Chem Ind - Bhavnagar, Aviation Corporation - Kutch & Aroma Petrochem – Bhavnagar, K Kasha Enterprises - Ahmedabad, Shana Oil Process - Ahmedabad. It is also being reused within organization for lubrication purpose. • Discarded drums / barrels are being sold to authorized decontamination facility i.e. M/s. Jawrawala Petroleum, Ahmedabad. It is also being reused within organization for filling hazardous waste. • Solid hazardous waste i.e. Tank bottom sludge is being sold to authorized recycler namely M/s. Mundra Oil Pvt. Ltd., Mundra for recycling. • Expired paint materials are being disposed by incineration through common facility i.e. M/s. Saurashtra Enviro Projects Pvt. Ltd., Bhachau. • Downgrade chemicals generated from cleaning of storage tanks / pipelines are being sold to authorized solvent recovery facilities namely M/s. Acquire Chemicals, Ankleshwar. • Slop Oil received from vessels is treated to separate water and oil particles in Oil Water Separator system. Separated oil from the same is being sold to authorized recycler / reprocessor namely M/s. Western India Petro Chem Ind - Bhavnagar, Aviation Corporation - Kutch & Aroma Petrochem - Bhavnagar and water is sent to ETP for further treatment. However, during the compliance period, there was no disposal of Slop Oil.

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status as on 30-09-2025</th></tr>
<tr><td></td><td></td><td>

During the compliance period i.e. Apr'25 to Sep'25 there was no generation and disposal of used battery waste, Sludge & Filters contaminated with oil, Tank Bottom sludge, Asbestoses Waste, Glass wool Waste (Thermal Insulation Material), Downgrade Chemicals, Waste Oil and Expired Paint Material.
Horticulture waste is collected from various greenbelt areas, and it is using for making of manure and the manure is being utilized for horticulture purposes within the plant premises.

Details of permissions / agreements of hazardous waste authorized vendors were submitted along with pervious HYCRS and there is no further change. The LPG Terminal has renewed agreement with Ambuja cement for oily cotton waste disposal and agreement is valid upto 18/04/2029. The copy of agreement was submitted during the EC Compliance report submission for the period Apr'24 to Sep'24.

The following table summarizes the waste management practice (from Apr'25 to Sep'25) for different types of wastes at APSEZ:
<table>
<tr><th>Type of Waste</th><th>Waste Description</th><th>Quantity (MT)</th><th>Disposal Method</th></tr>
<tr><td rowspan="5">Hazardous Waste</td><td>ETP Sludge</td><td>6.04</td><td>Co-processing at cement industries</td></tr>
<tr><td>Oily Cotton Waste</td><td>37.75</td><td>Co-processing at cement industries</td></tr>
<tr><td>Pig Waste</td><td>5.19</td><td>Co-processing at cement industries</td></tr>
<tr><td>Used / Spent / Waste Oil</td><td>75.49</td><td>Sell to registered recycler</td></tr>
<tr><td>Total</td><td colspan="2">124.47</td></tr>
<tr><td rowspan="3">Non-Hazardous Waste</td><td>Glass Waste</td><td>12.3</td><td>After recovery sent for recycling / Reuse within premises</td></tr>
<tr><td>Horticulture Waste</td><td>847.1</td><td>Used for making of manure and utilize for horticulture purpose</td></tr>
<tr><td>Metal Scrap</td><td>571.77</td><td>After recovery sent for recycling /</td></tr>
</table>
</td></tr>
</table>

Sr. No.	Conditions	Compliance Status as on 30-09-2025

				Reuse within premises
		Organic / Food Waste	565.9	Converted to Manure for Horticulture use / Biogas for cooking purpose
		Paper Waste	19.07	After recovery sent for recycling / Reuse within premises
		Plastic Waste	87.98	After recovery sent for recycling / Reuse within premises
		RDF (Non Recyclable Waste)	161.52	Co-processing at cement industries
		Rubber Waste	127.88	After recovery sent for recycling / Reuse within premises
		Wooden waste	168.11	After recovery sent for recycling / Reuse within premises
		Total	**2561.63**	
	Other Waste	Bio Medical Waste	4.163	To approved CBWTF Site and registered recyclers
		Battery Waste	14.91	Sell to registered recycler
		E-Waste	4.21	Sell to registered recycler
		Total	**23.283**	
	Grand Total		**2709.383**	

Ambient Air Quality (twice in a week) and Noise (once in a month) monitoring are being carried out by NABL accredited and MoEF&CC approved agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Quality of Ambient Air and Noise level confirm to the standard laid down by SPCB / CPCB. Summary of the

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status as on 30-09-2025</th></tr>
<tr><td></td><td></td><td>same for duration from Apr'25 to Sep'25 is mentioned below.

Total Ambient Air & Noise Sampling Locations: 5 Nos.
<table>
<tr><th>Parameter</th><th>Unit</th><th>Min</th><th>Max</th><th>Average</th><th>Perm. Limit$</th></tr>
<tr><td colspan="6">AAQM</td></tr>
<tr><td>PM_{10}</td><td>$\mu g/m^3$</td><td>51.21</td><td>86.15</td><td>69.4</td><td>100</td></tr>
<tr><td>$PM_{2.5}$</td><td>$\mu g/m^3$</td><td>13.82</td><td>39.74</td><td>25.64</td><td>60</td></tr>
<tr><td>SO_2</td><td>$\mu g/m^3$</td><td>10.85</td><td>35.89</td><td>23.2</td><td>80</td></tr>
<tr><td>NO_2</td><td>$\mu g/m^3$</td><td>14.18</td><td>39.84</td><td>27.42</td><td>80</td></tr>
<tr><th>Noise</th><th>Unit</th><th>Leq Min</th><th>Leq Max</th><th>Leq Ave.</th><th>Leq Perm. Limit *</th></tr>
<tr><td>Day Time</td><td>dB(A)</td><td>57</td><td>69.6</td><td>65.3</td><td>75</td></tr>
<tr><td>Night Time</td><td>dB(A)</td><td>55.4</td><td>64.7</td><td>61.4</td><td>70</td></tr>
</table>
$ as per NAAQ standards, 2009
* as per CC&A granted by SPCB
Values recorded confirms to the stipulated standards.

Please refer Annexure – 1 for detailed analysis reports for the period Apr'25 to Sep'25. Approx. INR 8.73 Lakh is spent for all environmental monitoring activities during the FY 2025-26 till Sep'25 for overall APSEZ.</td></tr>
<tr><td>2(iv)</td><td>Adequate provision for infrastructure facilities such as water supply, roads, sanitation etc. should be ensured so as to avoid environmental degradation in the surrounding areas. These facilities should be brought into existence during the construction phase and will remain in existence thereafter as part of the infrastructure build up in the area for local developmental purposes.</td><td>Complied.

Construction activity is already completed. Adequate infrastructure facility was provided to labors during construction phase and those are in existence.

Facility for drinking water, toilet and rest shelter are provided for operation laborers. Photographs of the same were submitted along with the HYCR for the period Oct'16 to Mar'17.</td></tr>
<tr><td>2(v)</td><td>Adequate noise control measures should be ensured in various project activities and due to increase in the traffic which</td><td>Complied.
Construction phase is completed.

For operation phase, following noise control measures are being taken:</td></tr>
</table>

Sr. No.	Conditions	Compliance Status as on 30-09-2025
	is likely to take place during construction and operational phases.	• All Emergency DG sets were installed with acoustic enclosure confirming EPA norms. • Proper maintenance of equipment / plant machinery is being done on regular basis. • Greenbelt has been developed along roadsides and operational areas. • Traffic control measures such as signages, speed regulation, traffic guides etc. are in place to reduce the unnecessary honking by cargo vehicles.
2(vi)	The water quality parameters such as dissolved oxygen, ammonical nitrogen and other nutrients etc. should be measured at regular intervals to ensure adherence to the prescribed standards of water qualities. Suitable ground water monitoring should also be undertaken around the sludge lagoons and regular reports to be submitted to the Ministry for evaluation.	Complied. APSEZL is carrying out water quality monitoring for ETP Treated water, Groundwater and Marine water at regular intervals. **ETP Treated Water Monitoring:** ETP having 265 KLD capacity is provided for treatment of wastewater. Treated water is used for horticulture purposes within premises after confirming permissible limit. The watery sludge is transferred to sludge drying bed, where the excess wastewater is recirculated to ETP. Monitoring and analysis of ETP treated waste is also carried out regularly through in-house laboratory for the parameters such as pH, TDS, TSS, COD, Chlorides, and residual chlorine. Third party analysis of the treated water is being carried out once in a month by NABL accredited and MoEF&CC approved agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi. Summary of the same for duration of Apr'25 to Sep'25 is mentioned in compliance condition no. 2(iii) above. **Marine Monitoring:** Marine monitoring (Surface, Bottom and Sediment) is being carried out once in a month by NABL accredited and MoEF&CC approved agency namely M/s. Unistar Environment and Research Labs Pvt. Ltd., Vapi.

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status as on 30-09-2025</th></tr>
<tr><td></td><td></td><td>
Summary of the same for duration from Apr'25 to Sep'25 is mentioned below. Monitoring Reports are attached as Annexure – 1 for the same.

Total Sampling Locations: 09 Nos.
<table>
<tr><th rowspan="2">Parameter</th><th rowspan="2">Unit</th><th colspan="3">Surface</th><th colspan="3">Bottom</th></tr>
<tr><th>Min</th><th>Max</th><th>Avg.</th><th>Min</th><th>Max</th><th>Avg.</th></tr>
<tr><td>pH</td><td>--</td><td>7.96</td><td>8.28</td><td>8.17</td><td>7.81</td><td>8.4</td><td>8.01</td></tr>
<tr><td>BOD (3 Days @ 27 °C)</td><td>mg/L</td><td>2.4</td><td>3.5</td><td>2.96</td><td>BDL (MDL 1.0)</td><td>BDL (MDL 1.0)</td><td>BDL (MDL 1.0)</td></tr>
<tr><td>TSS</td><td>mg/L</td><td>112</td><td>164</td><td>138.15</td><td>86</td><td>132</td><td>113.59</td></tr>
<tr><td>DO</td><td>mg/L</td><td>6.37</td><td>7.04</td><td>6.69</td><td>6.27</td><td>6.83</td><td>6.56</td></tr>
<tr><td>Salinity</td><td>ppt</td><td>35.71</td><td>36.71</td><td>36.16</td><td>36.62</td><td>37.45</td><td>37.05</td></tr>
<tr><td>TDS</td><td>mg/L</td><td>35140</td><td>36640</td><td>35726</td><td>35996</td><td>37250</td><td>36517</td></tr>
</table>
*BDL – Below Detection Limit
*MDL – Minimum Detection Limit

<u>Ground Water Monitoring:</u>
There are no sludge lagoons however, to monitor the ground water quality, bore wells are provided at various location in the port and SEZ areas. Third party analysis of the ground water is being carried out twice a year by NABL accredited and MoEF&CC approved agency namely M/s. Unistar Environment and Research Labs Private Limited., Vapi. Summary of the same for duration of Apr'25 to Sep'25 is mentioned below.

Sampling Locations: 5 Nos.
<table>
<tr><th>Parameters</th><th>Unit</th><th>Min</th><th>Max</th><th>Average</th></tr>
<tr><td>pH @ 25 ° C</td><td>--</td><td>7.44</td><td>8.11</td><td>7.8</td></tr>
<tr><td>Salinity</td><td>ppt</td><td>1.4</td><td>3.1</td><td>2</td></tr>
<tr><td>Oil & Grease</td><td>mg/L</td><td>*BDL (MDL:5.0)</td><td>*BDL (MDL:5.0)</td><td>*BDL (MDL:5.0)</td></tr>
<tr><td>Hydrocarbon</td><td>mg/L</td><td>ND*</td><td>ND*</td><td>ND*</td></tr>
<tr><td>Lead as Pb</td><td>mg/L</td><td>*BDL (MDL:0.01)</td><td>*BDL (MDL:0.01)</td><td>*BDL (MDL:0.01)</td></tr>
<tr><td>Arsenic as As</td><td>mg/L</td><td>*BDL (MDL:0.01)</td><td>*BDL (MDL:0.01)</td><td>*BDL (MDL:0.01)</td></tr>
<tr><td>Nickel as Ni</td><td>mg/L</td><td>*BDL (MDL:0.01)</td><td>0.084</td><td>0.030</td></tr>
<tr><td>Total Chromium as Cr</td><td>mg/L</td><td>*BDL (MDL:0.05)</td><td>*BDL (MDL:0.05)</td><td>*BDL (MDL:0.05)</td></tr>
<tr><td>Cadmium as Cd</td><td>mg/L</td><td>BDL(MDL:0.003)</td><td>BDL(MDL:0.003)</td><td>BDL(MDL:0.003)</td></tr>
<tr><td>Mercury as Hg</td><td>mg/L</td><td>*BDL (MDL:0.001)</td><td>*BDL (MDL:0.001)</td><td>*BDL (MDL:0.001)</td></tr>
</table>
</td></tr>
</table>

Sr. No.	Conditions	Compliance Status as on 30-09-2025
		<table><tr><td>Zinc as Zn</td><td>mg/L</td><td>*BDL (MDL:0.05)</td><td>*BDL (MDL:0.05)</td><td>*BDL (MDL:0.05)</td></tr><tr><td>Copper as Cu</td><td>mg/L</td><td>0.059</td><td>0.094</td><td>0.071</td></tr><tr><td>Iron as Fe</td><td>mg/L</td><td>ND*</td><td>ND*</td><td>ND*</td></tr><tr><td>Insecticides/Pesticides</td><td>µg/L</td><td>ND*</td><td>ND*</td><td>ND*</td></tr><tr><td>Depth of Water Level from Ground Level</td><td>meter</td><td>2</td><td>2.1</td><td>2.02</td></tr></table> ND*= Not Detectable *BDL – Below Detection Limit Please refer **Annexure – 1** for detailed analysis reports for the period Apr'25 to Sep'25. Approx. INR 8.73 Lakh is spent for all environmental monitoring activities during the FY 2025-26 till Sep'25 for overall APSEZ.
2(vii)	Adequate culverts should be provided for smaller creeks so that breeding grounds for crabs, mud snappers and other marine organisms are not cut off by road construction activities.	Complied. Adequate culverts are provided on prominent creek system named as (1) Kotdi (2) Baradimata (3) Navinal (4) Bocha (5) Mundra (Oldest port (Juna Bandar) leading to Bhukhi river). All above creeks are in existence allowing free flow of water and there is no filling or reclamation of any creek area. APSEZ has so far constructed 19 culverts having total length of approx. 1100 m with total cost of INR 20 Crores. Apart from that three RCC Bridges have been constructed over Kotdi creek with total length of 230 m at the cost of INR 10 Crores. Photographs of the same were submitted as part of HYCR for the period of Apr'17 to Sep'17. As per the bathymetry study carried out by NCSCM in 2017-18, it can be concluded that there are sufficient depths at the creek mouths and all creek mouths are open allowing flushing of water.
2(viii)	A hundred meter wide mangrove belt should be created all along the west of Navinal Creek till its junction up to new road. Green belt of 50 M width	Complied. 24 ha of Mangrove afforestation was carried out with a cost of INR 25.0 Lakhs at west of Navinal creek. All

Sr. No.	Conditions	Compliance Status as on 30-09-2025
	should also be provided all along the periphery of the plant site and along the roads, storage tanks etc. at 1500 trees per hectare. All details regarding the Mangrove belt and other afforestation work must be worked out in consultation with the State Forest Department, and details sent to the Ministry.	Mangrove plantations were done in consultation with Dr. Maity, Mangrove consultant of India. Greenbelt was developed in an area of 72.67 ha. Total 1,49,959 trees were planted with the density of 2063 trees per ha within the port area. So, far APSEZ has developed 457.99 ha. area as greenbelt with plantation of more than 9.06 Lacs saplings within the APSEZ area. To enhance the marine biodiversity, till Sep'25, APSEZ carried out mangrove afforestation in 4140 ha. area across the coast of Gujarat. Total expenditure for the same till date is INR 1592.8 Lakhs. Details on Mangroves afforestation & Greenbelt development carried out by APSEZ till date is annexed as **Annexure – 2**. Other than this Adani Foundation – CSR Arm of Adani Group at Mundra-Kutch has initiated multi-species plantation of mangroves in Luni village in association with GUIDE, Gujarat. During 2018-2019 (Phase-I) multi-species mangrove plantation was carried out in 10 ha, during Phase-II (2019-2020) it was 02 ha and during Phase III (2020-2021) it is 01 ha. During FY 2021-22, 03 ha area coastal stretches have been planted with species. During FY 2022-23, 04 ha plantation has been planted with various species. Total 20 Ha. Multi-species mangrove plantation has been carried out till March-23 in association with M/s. GUIDE, Gujarat. Adani Foundation has done gap filling with 10000 nos. of mangrove saplings at Luni village during the compliance period Apr'25 to Sep'25. These plantations are diligently maintained and continually monitored. Notably, these forests have evolved into a thriving habitat for various marine and migratory bird species, enriching the local ecosystem.

Sr. No.	Conditions	Compliance Status as on 30-09-2025
		Please refer attached **Annexure – 3** for CSR activity report carried out by Adani Foundation.
2(ix)	Arrangements should be made for ensuring fresh water availability for various project related activities. Special water harvesting programs should be undertaken in the project impact area. Details of these activities should be reported to the Ministry.	Complied. Present source of water for various project activities is desalination plant of APSEZ and/or through Gujarat Water Infrastructure Limited (GWIL). Average water consumption for entire APSEZ area is 5.21 MLD during compliance period i.e. Apr'25 to Sep'25. Groundwater recharge cannot be done at the project site since the entire project is in the intertidal / sub tidal areas. Rainwater within project area is managed through storm water drainage. APSEZL have installed Rainwater recharge bore well (4 Nos.) within our township to recharge the ground water. Details of the same were submitted along with HYCR for the period Apr'19 to Sep'19. During FY 2025-26 (till Sep'25) Approx. 3.62 ML of rainwater has been recharged to increase the ground water table. APSEZL has also connected roof top rainwater duct of operational building (Tug berth building within MPT) with underground water tank for utilization of collected rainwater for gardening / horticulture purpose. Details of the same were submitted along with HYCR for the period Oct'18 to Mar'19. Additionally, Adani Foundation – CSR arm of Adani Group has carried out rainwater harvesting activities in the nearby villages for benefit of the local populace. Water conservation Projects i.e. Roof Top Rainwater Harvesting, Desilting of Check dams, Bore Well Recharge and Pond deepening were taken up in past years, review and monitoring of all water harvesting structures had been taken up. To make connections between human actions and the level of biological diversity found within a habitat and/or ecosystem, this year Adani Foundation launch project "Sanrakshan" in coordination with GUIDE and Sahjeevan.

Sr. No.	Conditions	Compliance Status as on 30-09-2025
		In the last 10 years considerable Water Conservation Work carried out in Mundra Taluka. Due to satisfactory rain in current year 1.11 mtr ground water table increased as per increased in coastal belt of Mundra as per Government Figures. **Our water conservation work is as per below.** ❖ **Water conservation project (till date water conservation work):** In recent years, the villages near our operational area have experienced significant enhancements in both the availability and quality of water. These improvements stem from our focused efforts in managing and conserving groundwater and surface water resources. ➢ **Key interventions—** ○ pond deepening, ○ strengthening of check dams, ○ installation of rainwater harvesting systems, borewell drilling, and clearing of river inlets—have together increased water storage capacity. ➢ **Till the date (Sep'25)** ○ 145 Pond Deepening ○ 209 Bore & Wells ○ 355 Rainwater Harvesting ○ 30 Check Dams ○ 25 Percolation Wells ○ Farmers Benefitted - 1760 Storage ○ capacity Increase – 2171435Cum. ➢ **Current year (Apr'25 to Sep'25)** ○ Pond Deepening - 05 Village pond ○ Check dam Re- strenghtining-01 ○ Farmer - 300 famer Land irrigated - 1800 Acre ○ **8.0%** Increase in Revenue ○ **9.00%** TDS Reduction ○ **Rs 1200** Reduce in health expenses Monthly ❖ **ROOF TOP RAINWATER HARVESTING:**

Sr. No.	Conditions	Compliance Status as on 30-09-2025
		○ 355 RRWHS units built across 355 homes, positively impacting more than 1,760 people. ○ TDS level below 100 meeting WHO standards for safe drinking water. ○ First-time rainwater harvesting enabled for the community, ensuring quality drinking water and reducing financial burdens ○ **1760+** Residents benefited ○ **97.73%** Less TDS than local municipality water Gundiyali – 4410 TDS ○ **Rs. 1125** monthly Saved on drinking water ○ **Rs. 3000** yearly saved on health expense **The Water Conservation Projects completed during the FY 2024-25.** ➢ **WATER CONSERVATION "SWAJAL PROJECT" ENHANCING RURAL WATER RESOURCES** ○ Adani Foundation has undertaken significant water conservation initiatives to address water scarcity and improve water availability in rural areas. ○ **Through the creation of 737 various water structures, the project has increased water capacity by 5,400,735 cubic meters (CUM) and benefited 64,515 people**. ➢ **Check Dam New/Renovation** ○ Structures: 29 ○ Water Capacity Increase: 1,072,332 CUM ○ Beneficiaries: 30,870 ○ Impact: Enhances water storage and irrigation. ➢ **Rainwater Harvesting Structures (RRWHS)** ○ Structures: 330 ○ Water Capacity Increase: 3,300,000 CUM ○ Beneficiaries: 1,650 ○ Impact: Maximizes rainwater capture and usage. Rs. 10950 yearly saved/house ➢ **Pond Deepening** ○ Structures: 135 ○ Water Capacity Increase: 1,028,403 CUM ○ Beneficiaries: 18,350

Sr. No.	Conditions	Compliance Status as on 30-09-2025
		○ Impact: Improves water retention and availability. ➢ **Construction of Percolation Wells** ○ Structures: 26 ○ Ground Water Recharge: Significant ○ Beneficiaries: 3,000 ○ Impact: Boosts groundwater levels and availability. ➢ **Bore/Well Recharge** ○ Structures: 209 ○ Ground Water Recharge: Significant ○ Beneficiaries: 1,045 ○ Impact: Enhances groundwater recharge and sustainability. ➢ **Construction of New Wells** ○ Structures: 8 ○ Purpose: Drinking Water ○ Beneficiaries: 9,600 ○ Impact: Provides reliable drinking water sources ➢ **WATER MANAGEMENT PROJECTS:** ○ Percolation Well, Mota Bhadiya: 80 farmers benefited. ○ Percolation Bore Cleaning, GPVC Villages: 3150 farmers benefited. ○ Pond Deepening & Road Cleaning, GPVC Villages: 6KM cleaned. ➢ **DRIP IRRIGATION - ENHANCING LIVELIHOODS IN KUTCH:** ○ The Drip Irrigation Initiative by Adani Foundation promotes efficient water use in farming by providing financial support to farmers for installing drip systems. It helps conserve water, improve crop yield, and encourage sustainable agriculture in Kutch. ○ In 2024-25, Adani Foundation supported sustainable water management in Kutch by Promoting drip irrigation across 490 villages in Abdasa, Lakhpat, Mandvi, Mundra, and Nakhtrana talukas. Covering a total area of 2,074.53 hectares, the initiative benefited 1,041 farmers. This effort enhanced irrigation efficiency, boosted agricultural productivity, and

Sr. No.	Conditions	Compliance Status as on 30-09-2025
		contributed to water conservation and eco-friendly farming practices in the region. With the objective to preserve the rainwater to reduce the impact of salinity and recharge the ground water (the main source of water) to facilitate the Agricultural activities as well as for drinking water. Please refer **Annexure – 3** for full details of CSR activities carried out by Adani Foundation in the Kutch region. The budget allocated for CSR activities for the financial year 2025–26 was INR 1131.67 Lakhs and 448.96 Lakhs spent during FY 2025-26 till Sep'25.
2(x)	While filling the storage tanks, compatibility of the chemicals should be ensured for chemical safety. Since 5000 MT capacity is proposed to be created for cryogenic conditions, necessary HAZOP study should be initiated and submitted to the Ministry within three months. Calculations carried out on the basis of EFFECT MODEL for this storage should be rechecked for various accident scenarios. Keeping in view the safety aspects, Horton spheres of 1250 MT capacity each should be preferred.	Complied. Risk assessment study was carried out by iFluids Engineering for handling and storage of LPG in three parts as mentioned below. 1. QRA for LPG Jetty Area 2. QRA for LPG Pipeline 3. QRA for LPG Tank farm A copy of the same was submitted as part of HYCR for the period Apr'17 to Sep'17. Recommendations of the risk assessment have been implemented as part of the construction activity and details of the same were submitted along with HYCR for the period Oct'18 to Mar'19. Implementation report of risk assessment recommendations during operational activity was submitted along with HYCR for the period Oct'19 to Mar'20.
2(xi)	The measures suggested by the Gujarat State Pollution Control Board in February, 1995 while according "No Objection Certificate"	Complied. Consolidated Consent and Authorization (CC&A) (CC&A) has been renewed from GPCB vide consent no.

<table>
<tr><th>Sr. No.</th><th>Conditions</th><th>Compliance Status as on 30-09-2025</th></tr>
<tr><td></td><td>should be strictly followed and authorization certificate required for converting NOC into "consent to operate" should be submitted within three months.</td><td>AWH-117045 Valid up to 20-11-2026. The copy of the CtO renewal was submitted along with HYCR for the period Oct'21 to Mar'22.

Consent to Establish (CtE) and Consent to Operate (CtO) are obtained from GPCB and renewed/amended from time to time as per the progress of the project activity. The present in-force CtE / CtO are mentioned below.

<table>
<tr><th>Sr. No.</th><th>Permission</th><th>Project</th><th>Ref. No. / Order No.</th><th>Valid Upto</th></tr>
<tr><td>1</td><td>CtO – Renewal</td><td>Mundra Port Terminal</td><td>AWH-117045</td><td>20.11.2026</td></tr>
<tr><td>2</td><td>CtE – Amendment</td><td>WFDP</td><td>17739 / 15618</td><td>18.05.2027</td></tr>
<tr><td>3</td><td>CC&A - Correction</td><td>Mundra Port Terminal</td><td>PC/CCA-KUTCH-39(8)/GPCB ID 17739/748148</td><td>20.11.2026</td></tr>
<tr><td>4</td><td>CC&A – Amendment</td><td>Mundra Port Terminal</td><td>Consent No. WH-141598</td><td>20.11.2026</td></tr>
</table>

The permission mentioned above (Sr. No. 4) CC&A-Amendment for Mundra Port Terminal is for increase in Cargo Handling Capacity i.e. Liquid Cargo & Container Cargo by developing new berths along with its supporting infrastructure facilities/ utilities and regularizing General / Dry Cargo handling capacity in line with existing port capacity.

A copy of CC&A Amendment permission mentioned above (Sr. No. 4) was submitted along with HYCR for the period Oct'24 to Mar'25.

The permission mentioned above (Sr. No. 2) was submitted along with earlier compliance report submission. The copy of CtO renewal order was submitted along with HYCR for the period Oct'21 to Mar'22. A copy of CC&A correction letter was submitted along with HYCR for the period Apr'23 to Sep'23.</td></tr>
<tr><td>2(xii)</td><td>For ensuring the acceptance of the project by the local people, a</td><td>Complied.</td></tr>
</table>

Sr. No.	Conditions	Compliance Status as on 30-09-2025
	Resolution of the Official Panchayat of the Region should be obtained offering their concurrence in writing by the project proponents and submitted to the Ministry by 31st October, 1995.	Resolution from the Panchayat has been obtained and submitted to the Ministry of Environment, Forest & Climate Change on 31st July 2012.
2(xiii)	A permanent staff structure should be created with latest R&D facilities and suitable equipment for environmental and forestry activities through creation of Environmental cell. Adequate funds should be earmarked for this cell.	Complied. Adani Ports and SEZ Ltd. (APSEZL) has established a well-structured Environment Management Cell (EMC), staffed with qualified manpower for implementation of the Environment Management Plan. This team also oversees AMSIPL, a subsidiary entity of APSEZL. At AMSIPL, the site environment team direct reports directly to the site Chief Executive Officer (CEO), who in turn reports to the top management of the company. The updated EMC Organogram was submitted along with the HYCR for the period Apr'24 to Sep'24, and there have been no further changes since. Budget for environmental management measures (including horticulture) for the FY 2025-26 is to the tune of INR 1173.79 Lakhs. Out of which, Approx. INR 463.43 Lakhs have been spent during the FY 2025-26 till Sep'25. Detailed breakup of the expenditures for the past 3 years is attached as **Annexure – 4**.
2(xiv)	Landsat imagery should be obtained on a continuous basis covering various seasons to study the change in the land use pattern due to the project and project related activities.	Complied. Project is in operation phase since many years and there is no change in the land use pattern.
2(xv)	With a view to providing adequate job opportunities to local people, facilities for technical training and development of skills	Complied Adani Foundation – CSR Arm of Adani Group is doing following activities as a part of Skill Development in surrounding communities in Kutch area. • Adani Skill Development Center (ASDC), Mundra &

Sr. No.	Conditions	Compliance Status as on 30-09-2025
	should be made available in consultation with the state Harbour Department, and to this end it must be ensured that there is allocation of adequate funds. The local people should be involved in the afforestation program proposed for the scheme to ensure public participation and success of vegetation programmes.	Bhuj is providing skill development training to the locals for Soft Skill, Technical Training and Carrier Guidance & knowledge-based training. • Adani Skill Development Centre (ASDC) is playing a pivotal role in implementing sustainable development in the state. ASDC is envisioned to be playing a major role in elevating the socio-economic status of the people belonging to the lowest strata of the society by empowering them with various skill development training for employability and livelihood. • Over the previous few years, ASDC has assessed various aspects of the technical, leadership and soft skills gaps that organizations, in general, face and accordingly focuses on imparting required training in those areas in partnership with various colleges and institutes. • ASDC imparted various soft skilled and technical training to make Atma Nirbhar India. • By equipping youth with relevant skills, facilitating job opportunities, and empowering women, ASDC plays a vital role in driving inclusive growth, promoting gender equality, and contributing to the region's economic progress. ❖ **Following activities have been carried out as a part of Skill Development During current fiscal year:** ○ **45 Job drives** ○ **4,500 Youth participated in the interview process.** ○ **Over 1,200 candidates were successfully selected.** ➢ **SKILLS:** To empower women through skill development, enabling financial independence and fostering community growth. Training — Numbers of women Beauty therapy — 80 Mud Work — 40 Dori Work — 32 Artisan card making — 68 Moti work — 10 Details on skill development training imparted during

Sr. No.	Conditions	Compliance Status as on 30-09-2025
		FY 2025-2026 till Sep'25 by Adani Foundation are available in CSR report enclosed as **Annexure – 3**.
2(xvi)	Prior clearance must be taken under the Hazardous Chemicals (manufacture, import and storage) Rules 1989, as amended up to date, from the competent authority. Such clearance will have to be taken prior to the commissioning of the project.	Complied. Permissions for storage of Hazardous Chemicals were obtained from MSIHC against the application made on 01.05.1999 through letter reference no. Kutch-HAZ/CHEM-23(2)/9713 while chemical storage permission against application made on 18.09.1999 was provided through letter reference no. Kutch-HAZ/CHEM-23(2)/9711. Approval from the PESO is obtained for import of hazardous chemicals as per License No. P/HQ/GJ/15/2050 (P12369) dated 07/10/2024 which is valid up to 31/12/2029 for Class A & Class C petroleum. A copy of valid PESO license was submitted along with HYCR for the period Oct'24 to Mar'25. Please refer point no. 2 (xi) regarding GPCB permissions. License under Factories Act is taken dated 07.10.1998 and last renewed vide license no. 0017 and is valid up to 31.12.2027. The copy of renewed License under Factories Act was submitted along with HYCR for the period of Oct'23 to Mar'24.
2(xvii)	A detailed progress report should be submitted to the Ministry on each of the conditions stipulated above in respect of the follow-up action taken every six months. The first of these two reports should be sent in by 31.3.1996.	Complied. HYCRs of EC conditions is uploaded regularly. A soft copy of latest compliance report including results of monitoring data for the period of Oct'24 to Mar'25 was submitted through e-mail to Regional Office of Integrated Regional Office (IRO) @ Gandhinagar, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar & Gandhidham and Dept. of Forests & Env., Gandhinagar on 24.05.2025. Copy of the same is also available on our website https://www.adaniports.com /ports-downloads as well as also uploaded on MoEF&CC Parivesh Portal on 28.05.2025. Please refer below for the details regarding past six compliance submissions. **Sr. No. | Compliance period | Date of submission**

Sr. No.	Conditions	Compliance Status as on 30-09-2025
		1 Apr'22 to Sep'22 30.11.2022 2 Oct'22 to Mar'23 30.05.2023 3 Apr'23 to Sep'23 29.11.2023 4 Oct'23 to Mar'24 29.05.2024 5 Apr'24 to Sep'24 01.12.2024 6 Oct'24 to Mar'25 28.05.2025
2(xviii)	Financial requirements for implementation of the above indicated environmental mitigative measures should be worked out and included in the total cost of the project. Provision for enhancing this allocation in future should also be made.	Complied. Separate budget for the Environment protection measures is earmarked every year. All the expenses are recorded in advanced accounting system of the organization. Details regarding environmental expenditures are given in compliance condition no. 2(xiii) above.

Annexure – 1

"Half Yearly Environmental Monitoring Reports "

For,

adani
Ports and Logistics

M/S. ADANI PORTS & SPECIAL ECONOMIC ZONE LTD.

PLOT NO. 169/P, AT - NAVINAL ISLAND, TAL. - MUNDRA, DIST. - KUTCH - 370421.

Monitoring Period: April – 2025 to September - 2025

Submitted By

UniStar
Environment and Research Labs Pvt. Ltd.

UniStar Environment & Research Labs Pvt. Ltd.

Plot No. 51 Vibrant Business Park Vapi, Dist. Valsad 396191 l Gujarat l India

MARINE WATER MONITORING SUMMARY REPORT

RESULTS OF MARINE WATER [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.09	7.88	8.18	8.02	8.14	7.92	8.11	7.94	8.14	8.02	8.06	7.98	IS 3025(Part 11) :2022
2.	Temperature	°C	29.8	29.7	29.9	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.5	29.4	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	116	88	122	94	118	86	134	110	142	116	148	122	APHA 24th Ed., 2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3	BDL(MDL :1.0)	2.4	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	2.6	BDL(MDL :1.0)	2.7	BDL(MDL :1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.83	6.73	6.65	6.55	6.83	6.73	6.65	6.55	6.71	6.6	6.57	6.47	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.54	37.15	36.68	37.28	36.52	37.15	36.4	36.98	36.32	36.84	36.12	36.71	By Calculation
7.	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)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	IS 3025 (Part 39) :2021
8.	Nitrate as NO_3	µmol/L	2.1	1.77	2.74	2.58	3.06	2.74	3.55	3.23	3.06	2.9	2.74	2.58	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO_2	µmol/L	0.283	0.261	0.304	0.283	0.37	0.326	0.283	0.261	0.304	0.283	0.261	0.239	APHA 24th Ed.2023,4500NO_2B
10.	Ammonical Nitrogen as NH_3	µmol/L	4.11	4.06	4.32	4.27	4.85	4.79	3.59	3.48	3.42	3.39	3.59	3.48	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO_4	µmol/L	1.26	1.16	1.37	1.26	1.26	BDL(MDL :0.4)	1.58	1.37	1.47	1.37	BDL(MDL :0.4)	1.16	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	6.493	6.091	7.364	7.133	8.28	7.856	7.423	6.971	6.784	6.573	6.591	6.299	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35324	36140	35604	36320	35426	36124	35140	36350	35174	36290	35210	36118	IS 3025(Part 16):2023
15.	COD	mg/L	32.7	20.4	27.9	16	29.1	16.6	24.4	12.2	28.1	16.1	32.2	20.1	IS 3025(Part 58):2023

Continue…

RESULTS OF MARINE WATER [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	3.06	3.26	3.07	3.27	3.06	3.26	3.07	3.25	3.06	3.26	3.07	3.25	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	7	1.54	6	1.55	7	1.54	8	1.55	7	1.54	6	1.56	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10^3/L	113	92	112	91	113	92	112	91	113	93	112	92	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	*Coscinodiscus*	*Odontella*	*Nitzschia*	*Biddulphia*	*Nitzschia*	*Biddulphia*	*Thalassiothrix*	*Dinophysis*	*Thalassiothrix*	*Dinophysis*	*Thalassiothrix*	*Dinophysis*	APHA (24th Ed. 2023)10200A-G
			Diploneis	*Rhizosolenia*	*Diploneis*	*Rhizosolenia*	*Pinnularia*	*Rhizosolenia*	*Surirella*	*Pinnularia*	*Surirella*	*Pinnularia*	*Biddulphia*	*Pinnularia*	
			Rhizosolenia	*Coscinodiscus*	*Rhizosolenia*	*Coscinodiscus*	*Rhizosolenia*	*Coscinodiscus*	*Navicula*	*Thalassiothrix*	*Navicula*	*Thalassiothrix*	*Navicula*	*Thalassiothrix*	
			Dinophysis	*Grammatophora*	*Dinophysis*	*Grammatophora*	*Dinophysis*	*Grammatophora*	*Thallassiosira*	*Grammatophora*	*Nitzschia*	*Grammatophora*	*Nitzschia*	*Grammatophora*	
			Thalassionema	*Thallassiosira*	*Biddulphia*	*Navicula*	*Biddulphia*	*Navicula*	*Skeletonema*	*Ceratium*	*Skeletonema*	*Ceratium*	*Skeletonema*	*Ceratium*	

B	Zooplankton								
1	Abudance(Population)	noX103/ 100 m3	66	67	66	67	66	66	APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		*Crustacean Larvae*	*Oikoplura*	*Oikoplura*	*Egg(Fish and Shrimps)*	*Egg(Fish and Shrimps)*	*Egg(Fish and Shrimps)*	
			Egg(Fish and Shrimps)	*Pinnularia*	*Pinnularia*	*Oikoplura*	*Oikoplura*	*Oikoplura*	
			Copepods	*Copepods*	*Copepods*	*Copepods nauplii*	*Copepods nauplii*	*Copepods nauplii*	
			Crustacean	*Copepods nauplii*	*Copepods nauplii*	*Crustacean*	*Crustacean*	*Crustacean*	
			Bivalve Larvae	*Thalassionema*	*Thalassionema*	*Bivalve Larvae*	*Bivalve Larvae*	*Bivalve Larvae*	
3	Total Biomass	ml/100 m³	13.66	13.67	13.66	13.67	13.66	13.66	

Continue…

RESULTS OF MARINE WATER [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C	Microbiological														
1	Total Bacterial Count	CFU/ml	112		113		112		114		112		112		APHA 24th Ed.2023,9215-C
2	Total Coliform	/100ml	12		13		12		13		14		14		APHA 24thEd.2023,9222-B
3	Ecoli	/100ml	87		88		87		88		89		89		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023,9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976

Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF SEDIMENT ANALYSIS [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.46	0.51	0.48	0.44	0.48	0.52	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	554.3	564.8	546	522	534	542	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	ND	ND	ND	ND	ND	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.03	4.08	3.58	3.62	3.59	3.44	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	154.6	162.5	148.6	132.5	124.6	111.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	674.2	710.5	684.2	642.8	623.5	615.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.94	3.99	3.85	3.75	3.77	3.74	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	44.8	46.2	44.2	49.5	48.2	44.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	58.2	62.8	58.6	51.2	46.4	42.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	115.6	121.5	125.6	112.4	115.2	120.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.02	2.11	2.18	1.95	1.82	1.68	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue…

RESULTS OF SEDIMENT ANALYSIS [M1 LEFT SIDE OF BOCHA CREEK - N 22°45'183" E 069°43'241"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
D	Benthic Organisms								
1	Macrobenthos	--	*Isopods*	*Isopods*	*Isopods*	*Foraminiferan*	*Foraminiferan*	*Foraminiferan*	APHA (24th Ed. 2023)10500
			Polychates	*Polychates*	*Polychates*	*Decapods Larvae*	*Decapods Larvae*	*Decapods Larvae*	
			Sipunculids	*Sipunculids*	*Sipunculids*	*Amphipods*	*Gastropods*	*Gastropods*	
			Amphipods	*Foraminiferan*	*Foraminiferan*	*Polychates*	*Polychates*	*Polychates*	
2	MeioBenthos	--	*Herpectacoids*	*Gastropods*	Herpectacoids	Turbellarians	*Turbellarians*	*Turbellarians*	
			Decapods Larvae	*Decapods Larvae*	*Decapods Larvae*	*Foraminiferan*	*Foraminiferan*	*Foraminiferan*	
3	Population	no/m²	366	367	366	367	366	366	

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RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.12	7.96	8.19	8.4	8.24	8.04	8.18	7.95	8.22	7.98	8.12	7.94	IS 3025(Part 11):2022
2.	Temperature	°C	29.9	29.8	30	29.9	29.9	29.8	29.7	26.6	29.6	28.5	29.5	29.4	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	136	112	142	118	132	110	146	118	152	124	156	132	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.1	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	2.9	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	2.5	BDL(MDL :1.0)	2.6	BDL(MDL :1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.73	6.53	6.55	6.35	6.73	6.53	6.55	6.35	6.6	6.4	6.47	6.27	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.08	37.12	36.18	37.19	36.22	37.02	36.05	36.87	35.98	36.74	35.86	36.62	By Calculation
7.	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)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO_3	µmol/L	2.58	2.42	2.42	2.26	2.74	2.58	3.06	2.74	3.39	3.23	3.06	2.9	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO_2	µmol/L	0.37	0.348	0.261	0.239	0.304	0.283	0.326	0.304	0.283	0.261	0.304	0.283	APHA 24th Ed.2023,4500NO_2B
10.	Ammonical Nitrogen as NH_3	µmol/L	4.01	3.95	4.22	4.16	4.74	4.69	3.64	3.59	3.53	3.48	3.48	3.42	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO_4	µmol/L	1.05	BDL(MDL :0.4)	1.16	BDL(MDL :0.4)	1.26	1.05	1.16	BDL(MDL :0.4)	BDL(MDL :0.4)	BDL(MDL :0.4)	1.16	1.05	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	6.96	6.718	6.901	6.659	7.784	7.553	7.026	6.634	7.203	6.971	6.844	6.603	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36120	36880	36244	37010	35966	36848	35744	36820	35712	36540	35644	36380	IS 3025(Part 16):2023
15.	COD	mg/L	36.8	24.5	31.9	20	33.3	20.8	28.5	16.3	32.1	20.1	36.3	24.2	IS 3025(Part 58):2023

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RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	2.95	2.65	2.96	2.66	2.97	2.67	2.96	2.66	2.97	2.67	2.98	2.66	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.05	2.02	2.04	2.01	2.03	2.02	2.02	2.01	2.01	2.02	2.02	2.04	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	91	143	92	142	91	141	92	142	93	143	92	142	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	*Thalassiothrix*	*Pinnularia*	*Thalassiothrix*	*Pinnularia*	*Dinophysis*	*Pinnularia*	*Navicula*	*Thalassiothrix*	*Surirella*	*Thalassiothrix*	*Surirella*	*Thalassiothrix*	APHA (24th Ed. 2023)10200A-G
			Surirella	*Biddulphia*	*Surirella*	*Biddulphia*	*Surirella*	*Biddulphia*	*Skeletonema*	*Surirella*	*Pinnularia*	*Surirella*	*Pinnularia*	*Surirella*	
			Navicula	*Navicula*	*Navicula*	*Navicula*	*Nitzschia*	*Navicula*	*Rhizosolenia*	*Navicula*	*Rhizosolenia*	*Navicula*	*Melosira*	*Navicula*	
			Thallassiosira	*Rhizosolenia*	*Cyclotella*	*Rhizosolenia*	*Cyclotella*	*Rhizosolenia*	*Dinophysis*	*Thallassiosira*	*Dinophysis*	*Thallassiosira*	*Dinophysis*	*Thallassiosira*	
			Skeletonema	*Skeletonema*	*Skeletonema*	*Thallassiosira*	*Skeletonema*	*Thallassiosira*	*Thalassionema*	*Skeletonema*	*Thalassionema*	*Skeletonema*	*Thalassionema*	*Skeletonema*	
B	Zooplankton														
1	Abudance (Population)	noX10 3/ 100 m3	42		43		42		41		43		43		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		*Crustacean Larvae*		*Crustacean Larvae*		*Crustacean Larvae*		
			Copepods		*Oikoplura*		*Nitzschia*		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		
			Copepods nauplii		*Copepods nauplii*		*Copepods nauplii*		*Copepods*		*Copepods*		*Copepods*		
			Crustacean		*Crustacean*		*Pinnularia*		*Crustacean*		*Crustacean*		*Copepods nauplii*		
			Bivalve Larvae		*Bivalve Larvae*		*Bivalve Larvae*		*Bivalve Larvae*		*Bivalve Larvae*		*Bivalve Larvae*		
3	Total Biomass	ml/100 m³	15.1		15.2		15.1		15.2		15.1		15.1		

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RESULTS OF MARINE WATER [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C	Microbiological														
1	Total Bacterial Count	CFU/ml	134		135		134		132		134		134		APHA 24th Ed.2023,9215 -C
2	Total Coliform	/100ml	34		36		37		36		35		35		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	12		13		12		11		11		11		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976

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RESULTS OF SEDIMENT ANALYSIS [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.52	0.56	0.52	0.49	0.52	0.51	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	604.2	614.1	596.6	612.5	586	592	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	ND	ND	ND	ND	ND	ND	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	3.98	4.05	3.82	3.74	3.66	3.56	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	152.3	164.8	146.2	138.4	142.5	132.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	704	723	688	702	685	644.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.12	4.11	3.95	3.88	3.76	3.68	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	38.9	40.5	42.2	38.6	40.2	42.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	49.5	51.6	52.4	46.2	44.6	41.3	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	112.4	115.5	120.2	114.6	111	130.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.08	2.16	1.95	2.02	1.96	1.74	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

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MoEF&CC Recog. Environmental Laboratory under The EPA, 1986 (02.04.2025 to 29.03.2028) | NABL (ISO/IEC 17025: 2017) Accredited Testing Laboratory (TC-15345) (22.01.2025 to 22.09.2026) | QCI-NABET Accredited EIA & GW Consultant Organisation | GPCB Recognized Environmental Auditor (Sch-II) | ISO 9001: 2015 Certified Company | ISO 45001: 2018 Certified OHS Management System

RESULTS OF SEDIMENT ANALYSIS [M2 MOUTH OF BOCHA & NAVINAL CREEK - N 22°44'239" E 069°43'757"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
D			Benthic Organisms						
1	Macrobenthos	--	*Decapods Larvae*	*Polychates*	*Polychates*	*Foraminiferan*	*Foraminiferan*	*Foraminiferan*	APHA (24th Ed. 2023)10500
			Isopods	Isopods	*Isopods*	*Gastropods*	*Gastropods*	Gastropods	
			Amphipods	*Amphipods*	*Gastropods*	*Isopods*	*Isopods*	*Isopods*	
			Sipunculids	*Sipunculids*	*Sipunculids*	*Sipunculids*	*Amphipods*	*Amphipods*	
2	MeioBenthos	--	*Foraminiferan*	*Foraminiferan*	*Decapods Larvae*	*Herpectacoids*	*Sipunculids*	*Sipunculids*	
			Herpectacoids	*Herpectacoids*	*Herpectacoids*	*Polychates*	*Polychates*	*Polychates*	
3	Population	no/m²	301	302	301	302	301	301	

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RESULTS OF MARINE WATER [M3 EAST OF BOCHAISLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.17	8.04	8.28	8.11	8.22	8.09	8.17	8.02	8.25	8.08	8.16	8.02	IS 3025(Part 11):2022
2.	Temperature	°C	29.8	29.7	29.8	29.6	29.7	29.6	29.6	29.5	29.5	29.4	29.4	29.3	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	124	108	134	118	142	124	156	122	144	108	146	118	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.2	BDL(MDL: 1.0)	3.4	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.3	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.7	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.73	6.63	6.55	6.45	6.73	6.63	6.55	6.45	6.6	6.5	6.47	6.37	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.98	37.24	36.21	37.35	36.18	37.16	36.12	36.98	35.88	36.74	35.72	36.68	By Calculation
7.	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)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO_3	µmol/L	2.9	2.74	2.58	2.26	2.9	2.74	3.39	3.06	3.55	3.39	3.23	3.06	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO_2	µmol/L	0.413	0.391	0.348	0.326	0.304	0.283	0.348	0.304	0.261	0.239	0.261	0.239	APHA 24th Ed.2023,4500NO_2B
10.	Ammonical Nitrogen as NH_3	µmol/L	4.11	4.06	4.11	4.01	4.64	4.58	3.74	3.69	3.59	3.48	3.39	3.32	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO_4	µmol/L	1.16	1.05	1.05	BDL(MDL: 0.4)	1.16	1.05	1.47	1.37	1.58	1.47	1.37	1.26	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	7.423	7.191	7.038	6.596	7.844	7.603	7.478	7.054	7.401	7.109	6.881	6.619	APHA 24th Ed.2023,4500 NH3
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35520	36260	35760	36554	35500	36110	35380	36288	35464	36350	35320	36110	IS 3025(Part 16):2023
15.	COD	mg/L	28.6	16.3	24	12	25	12.5	20.4	8.1	24.1	12	28.2	16.1	IS 3025(Part 58):2023

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RESULTS OF MARINE WATER [M3 EAST OF BOCHAISLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.41	2.46	2.42	2.47	2.41	2.46	2.42	2.47	2.41	2.46	2.45	2.44	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.65	1.41	1.66	1.42	1.67	1.43	1.66	1.42	1.65	1.41	1.55	1.42	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10^3/L	154	96	155	97	154	96	153	97	152	96	150	94	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	*Pinnularia*	*Coscinodiscus*	*Pinnularia*	*Coscinodiscus*	*Pinnularia*	*Coscinodiscus*	*Melosira*	*Cyclotella*	*Melosira*	*Cyclotella*	*Melosira*	*Cyclotella*	APHA (24th Ed. 2023)10200A-G
			Biddulphia	*Pinnularia*	*Biddulphia*	*Pinnularia*	*Biddulphia*	*Pinnularia*	*Pinnularia*	*Pinnularia*	*Pinnularia*	*Pinnularia*	*Pinnularia*	*Pinnularia*	
			Navicula	*Rhizosolenia*	*Navicula*	*Rhizosolenia*	*Navicula*	*Rhizosolenia*	*Skeletonema*	*Skeletonema*	*Rhizosolenia*	*Skeletonema*	*Rhizosolenia*	*Skeletonema*	
			Thallassiosira	*Dinophysis*	*Thallassiosira*	*Dinophysis*	*Thallassiosira*	*Dinophysis*	*Thallassiosira*	*Thallassiosira*	*Thallassiosira*	*Thallassiosira*	*Thallassiosira*	*Thallassiosira*	
			Skeletonema	*Thalassionema*	*Skeletonema*	*Thalassionema*	*Skeletonema*	*Thalassionema*	*Thalassionema*	*Thalassionema*	*Thalassionema*	*Thalassionema*	*Thalassionema*	*Thalassionema*	

B			Zooplankton												
1	Abudance (Population)	noX10 3/ 100 m3	41		42		41		43		41		41		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		*Copepods*		*Copepods*		*Rhizosolenia*		*Crustacean*		*Crustacean*		*Crustacean*		
			Copepods nauplii		*Copepods nauplii*		*Crustacean Larvae*		*Copepods nauplii*		*Copepods nauplii*		*Copepods nauplii*		
			Egg(Fish and Shrimps)		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		*Crustacean Larvae*		*Crustacean Larvae*		*Crustacean Larvae*		
			Crustacean		*Pinnularia*		*Oikoplura*		*Crustacean*		*Crustacean*		*Egg(Fish and Shrimps)*		
			Bivalve Larvae		*Bivalve Larvae*		*Thalassionema*		*Bivalve Larvae*		*Bivalve Larvae*		*Bivalve Larvae*		
3	Total Biomass	ml/100 m^3	15.3		15.2		15.3		15.2		15.3		15.3		

Continue…

RESULTS OF MARINE WATER [M3 EAST OF BOCHAISLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25	Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM		
C			Microbiological											
1	Total Bacterial Count	CFU/ml	142		143		144		143		144	144		APHA 24th Ed.2023,9215 -C
2	Total Coliform	/100ml	32		31		30		31		33	33		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	21		22		21		20		22	22		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent	Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent	Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent	Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent	Absent		IS: 5887 (Part V):1976

GUJARAT VAPI.

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RESULTS OF SEDIMENT ANALYSIS [M3 EAST OF BOCHAISLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.62	0.45	0.52	0.46	0.49	0.46	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	624.3	596.5	602	582	566	552	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	ND	ND	ND	ND	ND	ND	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.12	4.03	4.12	3.92	3.74	3.62	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	130.2	136.4	114	121	116	118	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	524.6	550.8	546.2	564.2	554	582.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.94	3.88	3.67	3.71	3.54	3.62	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	44.3	49.4	48.6	51.2	48.6	43.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	38.24	42.2	41.3	44.5	42.3	39.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	124.6	111.5	115.2	104.5	111.2	125	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.03	1.95	1.84	1.76	1.55	1.62	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue…

RESULTS OF SEDIMENT ANALYSIS [M3 EAST OF BOCHAISLANOT DETECTED - N 22°46'530" E 069°41'690"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
D	Benthic Organisms								
1	Macrobenthos	--	Polychates	*Polychates*	*Amphipods*	*Gastropods*	*Gastropods*	*Decapods Larvae*	APHA (24th Ed. 2023)10500
			Gastropods	*Gastropods*	*Gastropods*	*Isopods*	*Isopods*	*Isopods*	
			Isopods	*Isopods*	*Isopods*	*Amphipods*	*Amphipods*	*Amphipods*	
			Sipunculids	*Sipunculids*	*Sipunculids*	*Sipunculids*	*Sipunculids*	*Sipunculids*	
2	MeioBenthos	--	*Herpectacoids*	*Herpectacoids*	*Herpectacoids*	*Polychates*	*Polychates*	*Foraminiferan*	
			Polychates	*Polychates*	*Polychates*	*Herpectacoids*	*Herpectacoids*	*Herpectacoids*	
3	Population	no/m²	297	298	297	296	297	297	

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RESULTS OF MARINE WATER [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.15	8.01	8.24	8.09	8.21	8.11	8.24	8.06	8.22	8.09	8.14	7.91	IS 3025(Part 11):2022
2.	Temperature	°C	29.7	29.6	29.8	29.7	29.7	29.6	29.5	29.4	29.4	29.3	29.3	29.2	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	124	106	112	94	134	108	162	114	132	110	142	124	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.1	BDL(MDL: 1.0)	2.7	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	2.6	BDL(MDL: 1.0)	2.7	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.93	6.73	6.75	6.55	6.94	6.73	6.75	6.55	6.81	6.6	6.67	6.47	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.42	37.32	36.58	37.44	36.27	37.28	36.32	37.14	36.17	36.94	36.02	36.88	By Calculation
7.	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)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO_3	µmol/L	2.74	2.58	2.9	2.58	3.23	3.06	3.06	2.9	3.71	3.55	3.39	3.23	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO_2	µmol/L	0.413	0.391	0.304	0.283	0.239	0.217	0.283	0.261	0.326	0.304	0.283	0.261	APHA 24th Ed.2023,4500NO_2B
10.	Ammonical Nitrogen as NH_3	µmol/L	4.16	4.06	3.95	3.9	4.53	4.48	3.8	3.74	3.69	3.64	3.64	3.59	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO_4	µmol/L	1.16	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	BDL(MDL: 0.4)	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	7.313	7.031	7.154	6.763	7.999	7.757	7.143	6.901	7.726	7.494	7.313	7.081	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	36380	37090	36640	37250	36580	37138	36234	36940	35860	36520	35486	36322	IS 3025(Part 16):2023
15.	COD	mg/L	32.7	20.4	27.9	16	29.1	16.6	28.5	12.2	32.1	16.1	28.2	20.1	IS 3025(Part 58):2023

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RESULTS OF MARINE WATER [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A	Phytoplankton														
1.	Chlorophyll	mg/m³	2.36	3.1	2.37	3.2	2.36	3.1	2.37	3.2	2.36	3.1	2.35	3	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.2	9	2.1	8	2.2	7	2.1	6	2.2	7	2.1	8	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	155	87	154	88	155	87	154	88	155	89	154	88	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	*Coscinodiscus*	*Surirella*	*Surirella*	*Surirella*	*Coscinodiscus*	*Surirella*	*Thallassiosira*	*Coscinodiscus*	*Thallassiosira*	*Coscinodiscus*	*Thallassiosira*	*Coscinodiscus*	APHA (24th Ed. 2023)10200A-G
			Diploneis	*Biddulphia*	*Diploneis*	*Biddulphia*	*Diploneis*	*Biddulphia*	*Melosira*	*Diploneis*	*Melosira*	*Diploneis*	*Melosira*	*Diploneis*	
			Rhizosolenia	*Navicula*	*Thalassiothrix*	*Coscinodiscus*	*Skeletonema*	*Coscinodiscus*	*Nitzschia*	*Rhizosolenia*	*Nitzschia*	*Rhizosolenia*	*Nitzschia*	*Rhizosolenia*	
			Dinophysis	*Thallassiosira*	*Navicula*	*Thallassiosira*	*Navicula*	*Thallassiosira*	*Rhizosolenia*	*Dinophysis*	*Rhizosolenia*	*Dinophysis*	*Rhizosolenia*	*Dinophysis*	
			Thalassionema	*Skeletonema*	*Thalassionema*	*Skeletonema*	*Thalassionema*	*Skeletonema*	*Pleurosigma*	*Thalassionema*	*Pleurosigma*	*Thalassionema*	*Pleurosigma*	*Thalassionema*	

B	Zooplankton														
1	Abudance (Population)	noX10 3/ 100 m3	35		36		35		37		36		36		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		*Oikoplura*		*Oikoplura*		*Copepods nauplii*		*Copepods nauplii*		*Copepods nauplii*		*Copepods nauplii*		
			Copepods nauplii		*Rhizosolenia*		*Rhizosolenia*		*Crustacean Larvae*		*Crustacean Larvae*		*Egg(Fish and Shrimps)*		
			Crustacean Larvae		*Crustacean Larvae*		*Egg(Fish and Shrimps)*		*Oikoplura*		*Oikoplura*		*Oikoplura*		
			Crustacean		*Crustacean*		*Crustacean*		*Bivalve Larvae*		*Bivalve Larvae*		*Copepods nauplii*		
			Bivalve Larvae		*Bivalve Larvae*		*Bivalve Larvae*		*Oikoplura*		*Oikoplura*		*Oikoplura*		
3	Total Biomass	ml/100 m³	14.28		14.27		14.26		14.27		14.26		14.26		

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RESULTS OF MARINE WATER [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	106		107		106		108		110		110		APHA 24th Ed.2023,9215 -C
2	Total Coliform	/100ml	42		43		42		41		41		41		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	10		11		10		12		12		12		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976

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RESULTS OF SEDIMENT ANALYSIS [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.48	0.54	0.52	0.47	0.44	0.48	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	552.4	562.4	649.4	624.2	611.2	614	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	ND	ND	ND	ND	ND	ND	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.11	4.15	3.82	3.76	3.64	3.58	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	132.4	142.3	135.4	123.4	120	112.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	522.4	534.4	510.2	498.6	485	490.5	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	3.95	4.01	3.85	3.72	3.64	3.72	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	41.3	42.4	44.2	48.6	46.5	41.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	58.6	64.5	62.1	66.7	65.2	55.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	440.6	466.5	456.2	172.5	180.5	164.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.05	2.15	1.86	1.71	1.66	1.48	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

Continue…

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RESULTS OF SEDIMENT ANALYSIS [M4 JUNA BANOT DETECTEDAR N 22°47'577" E 069°43'620"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
D	Benthic Organisms								
1	Macrobenthos	--	*Foraminiferan*	*Amphipods*	*Amphipods*	*Sipunculids*	*Sipunculids*	Sipunculids	APHA (24th Ed. 2023)10500
			Gastropods	*Gastropods*	*Gastropods*	*Decapods Larvae*	*Decapods Larvae*	*Decapods Larvae*	
			Isopods	*Isopods*	*Isopods*	*Polychates*	*Polychates*	*Polychates*	
			Sipunculids	*Sipunculids*	*Turbellarians*	*Isopods*	*Isopods*	*Foraminiferan*	
2	MeioBenthos	--	*Herpectacoids*	*Herpectacoids*	*Herpectacoids*	*Turbellarians*	Gastropods	*Gastropods*	
			Polychates	*Turbellarians*	*Decapods Larvae*	*Herpectacoids*	*Herpectacoids*	*Herpectacoids*	
3	Population	no/m²	301	302	303	301	302	302	

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RESULTS OF MARINE WATER [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.21	7.97	8.14	7.99	8.16	8.04	8.19	8.01	8.23	8.05	8.13	8.02	IS 3025(Part 11):2022
2.	Temperature	°C	29.7	29.6	29.8	29.7	29.7	29.6	29.5	29.4	29.4	29.3	29.3	29.2	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	138	114	130	108	146	122	138	106	142	114	152	118	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27oC)	mg/L	2.8	BDL(MDL: 1.0)	2.4	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.4	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	6.63	6.53	6.45	6.35	6.63	6.53	6.45	6.35	6.5	6.4	6.37	6.27	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	35.74	37.11	35.86	37.24	35.88	37.11	35.74	36.82	35.71	36.74	35.74	36.66	By Calculation
7.	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)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO3	µmol/L	3.23	3.06	3.06	2.74	2.74	2.58	3.23	2.9	3.06	2.9	2.9	2.74	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO2	µmol/L	0.348	0.326	0.348	0.326	0.304	0.283	0.239	0.217	0.348	0.326	0.239	0.217	APHA 24th Ed.2023,4500NO2 B
10.	Ammonical Nitrogen as NH3	µmol/L	3.95	3.9	4.01	3.9	4.37	4.32	3.9	3.85	3.74	3.69	3.69	3.64	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO4	µmol/L	1.26	1.16	1.16	1.05	1.16	BDL(MDL: 0.4)	1.37	1.26	1.05	1.16	1.16	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	7.528	7.286	7.418	6.966	7.414	7.183	7.369	6.967	7.148	6.916	6.829	6.597	APHA 24th Ed.2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35230	36110	35610	36380	35434	36108	35390	36180	35410	36240	35380	36160	IS 3025(Part 16):2023
15.	COD	mg/L	20.4	16.3	16	12	16.6	12.5	12.2	8.1	16.1	12	20.1	16.1	IS 3025(Part 58):2023

Continue…

RESULTS OF MARINE WATER [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.11	3.12	3.12	3.11	3.11	3.12	3.12	3.13	3.11	3.12	3.12	3.11	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.2	1.22	2.1	1.23	2.2	1.22	2.1	1.21	2.2	1.22	2.4	1.25	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10^3/L	122	112	123	113	122	112	124	113	126	112	125	114	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	*Diplonеis*	*Navicula*	*Diplonеis*	*Navicula*	*Navicula*	*Navicula*	*Navicula*	*Pinnularia*	*Navicula*	*Pinnularia*	*Navicula*	*Pinnularia*	APHA (24th Ed. 2023)10200A-G
			Rhizosolenia	*Skeletonema*	*Rhizosolenia*	*Skeletonema*	*Biddulphia*	*Skeletonema*	*Biddulphia*	*Biddulphia*	*Biddulphia*	*Biddulphia*	*Biddulphia*	*Rhizosolenia*	
			Nitzschia	*Rhizosolenia*	*Nitzschia*	*Rhizosolenia*	*Nitzschia*	*Rhizosolenia*	*Nitzschia*	*Navicula*	*Nitzschia*	*Navicula*	*Odontella*	*Dinophysis*	
			Cyclotella	*Dinophysis*	*Cyclotella*	*Biddulphia*	*Cyclotella*	*Biddulphia*	*Cyclotella*	*Thallassiosira*	*Cyclotella*	*Thallassiosira*	*Cyclotella*	*Coscinodiscus*	
			Pleurosigma	*Thalassionema*	*Pleurosigma*	*Thalassionema*	*Pleurosigma*	*Thalassionema*	*Pleurosigma*	*Skeletonema*	*Pleurosigma*	*Skeletonema*	*Pleurosigma*	*Skeletonema*	
B			Zooplankton												
1	Abudance (Population)	noX10 3/ 100 m3	52		51		50		52		51		52		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		*Copepods nauplii*		*Nitzschia*		*Nitzschia*		*Crustacean Larvae*		*Crustacean Larvae*		*Crustacean Larvae*		
			Crustacean Larvae		*Crustacean Larvae*		*Crustacean Larvae*		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		
			Oikoplura		*Oikoplura*		*Oikoplura*		*Copepods*		*Copepods*		*Copepods nauplii*		
			Bivalve Larvae		*Bivalve Larvae*		*Bivalve Larvae*		*Crustacean*		*Crustacean*		*Crustacean*		
			Oikoplura		*Oikoplura*		*Oikoplura*		*Bivalve Larvae*		*Bivalve Larvae*		*Bivalve Larvae*		
3	Total Biomass	ml/100 m³	14.13		14.12		14.11		14.12		14.11		14.12		

Continue…

RESULTS OF MARINE WATER [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C			Microbiological												
1	Total Bacterial Count	CFU/ml	148		147		146		144		146		145		APHA 24th Ed.2023,9215 -C
2	Total Coliform	/100ml	32		31		32		31		32		30		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	16		15		14		13		11		12		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976

GUJARAT VAPI.

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RESULTS OF SEDIMENT ANALYSIS [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.58	0.62	0.58	0.54	0.49	0.47	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	634.5	644	610	612	620	608	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	ND	ND	ND	ND	ND	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.12	4.18	3.86	3.74	3.65	3.46	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	154.6	162.5	152.4	148.5	144.2	131.1	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	605.4	610.4	596.2	604.2	582.5	490.1	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.21	4.33	4.11	3.84	3.75	3.65	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	48.6	52.4	55.4	51.6	52.2	55.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	52.6	62.5	60.3	49.8	44.2	38.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	112.4	118.5	121.4	110.6	102.3	110.8	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.03	2.11	1.96	2.02	1.92	1.86	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

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MoEF&CC Recog. Environmental Laboratory under The EPA, 1986 (02.04.2025 to 29.03.2028) | NABL (ISO/IEC 17025: 2017) Accredited Testing Laboratory (TC-15345) (22.01.2025 to 22.09.2026) | QCI-NABET Accredited EIA & GW Consultant Organisation | GPCB Recognized Environmental Auditor (Sch-II) | ISO 9001: 2015 Certified Company | ISO 45001: 2018 Certified OHS Management System

RESULTS OF SEDIMENT ANALYSIS [M5 TOWARDS WESTERN SIDE OF EAST PORT – N 22°46'041" E 069°47'296"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
D			Benthic Organisms						
1	Macrobenthos	--	*Amphipods*	*Amphipods*	*Amphipods*	*Isopods*	*Isopods*	*Isopods*	APHA (24th Ed. 2023)10500
			Polychates	*Sipunculids*	*Polychates*	*Polychates*	*Polychates*	*Gastropods*	
			Isopods	*Isopods*	*Isopods*	*Sipunculids*	*Sipunculids*	*Sipunculids*	
			Gastropods	*Gastropods*	*Gastropods*	*Amphipods*	*Amphipods*	*Amphipods*	
2	MeioBenthos	--	Decapods Larvae	Decapods Larvae	Foraminiferan	Polychates	Herpectacoids	*Herpectacoids*	
			Herpectacoids	*Gastropods*	*Herpectacoids*	*Foraminiferan*	*Foraminiferan*	*Polychates*	
3	Population	no/m^2	306	305	306	307	306	305	

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RESULTS OF MARINE WATER [M7 EAST PORT N 22°47'120" E 069°47'110"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	29.7	8.02	8.25	8.05	8.26	8.11	7.96	7.84	8.12	7.95	8.09	7.92	IS 3025(Part 11):2022
2.	Temperature	°C	142	29.6	29.8	29.7	29.7	29.6	29.6	29.5	29.5	29.4	29.4	29.3	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	2.9	118	136	108	128	112	144	118	130	122	154	126	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	6.83	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	2.8	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	35.82	6.73	6.65	6.55	6.83	6.73	6.65	6.55	6.71	6.6	6.57	6.47	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	BDL(MDL: 2.0)	37.09	36.02	37.26	36.14	37.12	35.92	36.94	35.88	36.74	35.96	36.71	By Calculation
7.	Oil & Grease	mg/L	2.9	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO_3	µmol/L	0.413	2.58	3.23	3.06	2.9	2.74	2.58	2.42	3.39	3.23	3.23	2.9	APHA 24th Ed.2023,4500 NO3-B
9.	Nitrite as NO_2	µmol/L	3.8	0.391	0.37	0.348	0.326	0.304	0.283	0.261	0.261	0.239	0.283	0.261	APHA 24th Ed.2023,4500NO_2B
10.	Ammonical Nitrogen as NH_3	µmol/L	1.16	3.74	4.01	3.95	4.22	4.11	3.95	3.9	3.8	3.69	3.69	3.64	APHA 24th Ed.2023,4500-NH3 B
11.	Phosphates as PO_4	µmol/L	7.113	BDL(MDL: 0.4)	1.26	1.16	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	BDL(MDL: 0.4)	BDL(MDL: 0.4)	1.16	1.05	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	ND	6.711	7.61	7.358	7.446	7.154	6.813	6.581	7.451	7.159	7.203	6.801	APHA 24th Ed.2023,4500 NH3
13.	Petroleum Hydrocarbon	µg/L	36150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	24.5	36930	36440	37124	36090	36920	36260	37050	36324	36990	36310	36780	IS 3025(Part 16):2023
15.	COD	mg/L			20	16	20.8	16.6	24.4	20.4	28.1	24.1	24.2	20.1	IS 3025(Part 58):2023

Continue…

RESULTS OF MARINE WATER [M7 EAST PORT N 22°47'120" E 069°47'110"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.06	2.5	3.07	2.6	3.06	2.7	3.07	2.6	3.06	2.7	3.07	2.8	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.5	1.77	2.6	1.78	2.7	1.77	2.6	1.77	2.7	1.78	2.8	1.74	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10^3/L	91	123	92	122	91	123	92	122	91	121	90	122	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	*Nitzschia*	*Thalassiothrix*	*Nitzschia*	*Rhizosolenia*	*Nitzschia*	*Rhizosolenia*	*Diploneis*	*Coscinodiscus*	*Diploneis*	*Coscinodiscus*	*Diploneis*	*Coscinodiscus*	APHA (24th Ed. 2023)10200A-G
			Pinnularia	*Surirella*	*Pinnularia*	*Surirella*	*Odontella*	*Surirella*	*Rhizosolenia*	*Diploneis*	*Rhizosolenia*	*Diploneis*	*Rhizosolenia*	*Diploneis*	
			Odontella	*Navicula*	*Dinophysis*	*Navicula*	*Dinophysis*	*Navicula*	*Nitzschia*	*Rhizosolenia*	*Nitzschia*	*Rhizosolenia*	*Nitzschia*	*Rhizosolenia*	
			Dinophysis	*Thallassiosira*	*Pleurosigma*	*Thalassionema*	*Pleurosigma*	*Thalassionema*	*Thalassiothrix*	*Dinophysis*	*Thalassiothrix*	*Dinophysis*	*Thalassiothrix*	*Dinophysis*	
			Surirella	*Skeletonema*	*Surirella*	*Skeletonema*	*Cyclotella*	*Skeletonema*	*Pleurosigma*	*Thalassionema*	*Pleurosigma*	*Thalassionema*	*Cyclotella*	*Thalassionema*	
B			Zooplankton												
1	Abudance (Population)	noX10 3/ 100 m3	41		40		42		41		40		42		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		*Nitzschia*		*Nitzschia*		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		
			Pinnularia		*Pinnularia*		*Coscinodiscus*		*Oikoplura*		*Oikoplura*		*Oikoplura*		
			Odontella		*Odontella*		*Odontella*		*Copepods nauplii*		*Copepods nauplii*		*Copepods nauplii*		
			Dinophysis		*Dinophysis*		*Dinophysis*		*Crustacean*		*Crustacean*		*Crustacean*		
			Surirella		*Surirella*		*Bivalve Larvae*		*Bivalve Larvae*		*Bivalve Larvae*		*Bivalve Larvae*		
3	Total Biomass	ml/100 m³	16.58		16.57		16.56		16.55		16.54		16.52		

Continue…

RESULTS OF MARINE WATER [M7 EAST PORT N 22°47'120" E 069°47'110"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	92		93		92		91		92		94		APHA 24th Ed.2023,9215 -C
2	Total Coliform	/100ml	27		26		27		26		25		26		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	10		11		10		11		10		16		IS :15185:2016
4	Enterococcus	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976

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RESULTS OF MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	29.8	7.99	8.27	8.03	8.24	8.12	8.22	7.95	8.18	7.99	8.11	7.97	IS 3025(Part 11):2022
2.	Temperature	°C	122	29.7	29.9	29.8	29.8	29.7	29.6	29.5	29.5	29.4	29.4	29.3	IS 3025(Part 9):2023
3.	Total Suspended Solids	mg/L	3.2	104	134	124	142	118	164	128	152	114	154	120	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	6.93	BDL(MDL: 1.0)	3.5	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	3.3	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	IS 3025(Part 44):2023
5.	Dissolved Oxygen	mg/L	36.15	6.73	6.84	6.65	7.04	6.83	6.85	6.65	6.91	6.71	6.77	6.57	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	BDL(MDL: 2.0)	37.18	36.35	37.29	36.34	37.31	36.02	37.04	36.11	36.84	35.96	36.81	By Calculation
7.	Oil & Grease	mg/L	2.9	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025(Part 39):2021
8.	Nitrate as NO_3	µmol/L	0.435	2.74	3.39	3.23	3.06	2.9	2.74	2.58	3.06	2.9	3.23	2.9	APHA 24th Ed.2023,4500 NO3-
9.	Nitrite as NO_2	µmol/L	3.9	0.413	0.391	0.37	0.348	0.326	0.217	0.196	0.261	0.239	0.304	0.283	APHA 24th Ed.2023,4500NO_2B
10.	Ammonical Nitrogen as NH_3	µmol/L	1.16	3.85	4.11	4.01	4.06	3.95	4.06	3.9	3.8	3.74	3.8	3.69	APHA 24th Ed.2023,4500-NH3
11.	Phosphates as PO_4	µmol/L	7.235	1.05	1.05	BDL(MDL: 0.4)	1.37	1.16	1.05	BDL(MDL: 0.4)	1.16	BDL(MDL: 0.4)	BDL(MDL: 0.4)	BDL(MDL: 0.4)	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	ND	7.003	7.891	7.61	7.468	7.176	7.017	6.676	7.121	6.879	7.334	6.873	APHA 24th Ed.2023,4500 NH3
13.	Petroleum Hydrocarbon	µg/L	35430	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	24.5	36120	35860	36380	35460	36060	35284	36192	35350	36210	35410	36164	IS 3025(Part 16):2023
15.	COD	mg/L		16.3	20	12	20.8	12.5	28.5	20.4	32.1	24.1	28.2	20.1	IS 3025(Part 58):2023

Continue…

RESULTS OF MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	3.1	3.12	3.2	3.11	3.1	3.12	3.2	3.11	3.1	3.12	3.2	3.2	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.5	1.6	1.4	1.5	1.3	1.4	1.2	1.3	1.3	1.2	1.2	1.1	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	112	107	111	108	112	107	113	106	112	107	114	104	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	*Odentella*	*Cyclotella*	*Odentella*	*Cyclotella*	*Odentella*	*Cyclotella*	*Nitzschia*	*Diploneis*	*Nitzschia*	*Diploneis*	*Nitzschia*	*Diploneis*	APHA (24th Ed. 2023)10200A-G
			Rhizosolenia	*Pinnularia*	*Rhizosolenia*	*Pinnularia*	*Rhizosolenia*	*Pinnularia*	*Grammatophora*	*Rhizosolenia*	*Grammatophora*	*Rhizosolenia*	*Grammatophora*	*Rhizosolenia*	
			Coscinodiscus	*Skeletonema*	*Coscinodiscus*	*Skeletonema*	*Coscinodiscus*	*Skeletonema*	*Diploneis*	*Nitzschia*	*Diploneis*	*Nitzschia*	*Diploneis*	*Nitzschia*	
			Grammatophora	*Thallassiosira*	*Grammatophora*	*Thallassiosira*	*Grammatophora*	*Thallassiosira*	*Thalassiothrix*	*Cyclotella*	*Thalassiothrix*	*Cyclotella*	*Thalassiothrix*	*Grammatophora*	
			Thallassiosira	*Thalassionema*	*Thallassiosira*	*Thalassionema*	*Thallassiosira*	*Thalassionema*	*Pleurosigma*	*Pleurosigma*	*Pleurosigma*	*Pleurosigma*	*Pleurosigma*	*Pleurosigma*	
B			Zooplankton												
1	Abudance(Population)	noX10 3/ 100 m3	32		33		32		33		34		32		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		*Coscinodiscus*		*Coscinodiscus*		*Odontella*		*Oikoplura*		*Oikoplura*		*Oikoplura*		
			Diploneis		*Egg(Fish and Shrimps)*		*Egg(Fish and Shrimps)*		*Copepods nauplii*		*Copepods nauplii*		*Egg(Fish and Shrimps)*		
			Rhizosolenia		*Rhizosolenia*		*Rhizosolenia*		*Crustacean Larvae*		*Crustacean Larvae*		*Crustacean Larvae*		
			Dinophysis		*Bivalve Larvae*		*Bivalve Larvae*		*Crustacean*		*Crustacean*		*Crustacean*		
			Thalassionema		*Thalassionema*		*Thalassionema*		*Bivalve Larvae*		*Bivalve Larvae*		*Bivalve Larvae*		
3	Total Biomass	ml/100 m³	14.77		14.78		14.77		14.76		14.77		14.78		

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RESULTS OF MARINE WATER [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	14		13		12		14		13		10		APHA 24th Ed.2023,9215 -C
2	Total Coliform	/100ml	11		12		11		10		11		18		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	10		13		12		11		9		10		IS :15185:2016
4	Enterococcus	/100ml	6		7		6		7		6		8		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976

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RESULTS OF SEDIMENT ANALYSIS [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
1.	Organic Matter	%	0.58	0.62	0.58	0.52	0.58	0.61	IS: 2720 (Part 22):1972
2.	Phosphorus as P	µg/g	611.4	615.4	620.2	586.5	602	611	IS: 10158 :1982, Method B
3.	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy	Lab SOP No. UERL/CHM/LTM/108
4.	Petroleum Hydrocarbon	µg/g	N.D.	ND	ND	ND	ND	ND	APHA 24th Ed.2023,5520 F
5.0	Heavy Metals								
5.1	Aluminum as Al	%	4.06	4.11	3.96	3.82	3.76	3.68	IS3025(Part 55):2003
5.2	Total Chromium as Cr+3	µg/g	148.6	152.6	148.4	139.8	144.2	128.6	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.3	Manganese as Mn	µg/g	594.5	602.4	592	568.5	554.6	560.7	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.4	Iron as Fe	%	4.11	4.16	3.96	3.79	3.66	3.59	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.5	Nickel as Ni	µg/g	46.5	48.2	44.7	48.2	44.3	49.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.6	Copper as Cu	µg/g	52.2	56.4	52.5	55.2	52.3	55.4	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.7	Zinc as Zn	µg/g	124.3	128.5	130.4	124.1	124.9	116.2	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.8	Lead as Pb	µg/g	2.03	2.11	1.96	1.82	1.75	1.68	EPA 3050B/7000B (Extraction &Analytical Method):2007
5.9	Mercury as Hg	µg/g	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	EPA 7471B (Extraction &Analytical Method) :2007

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MoEF&CC Recog. Environmental Laboratory under The EPA, 1986 (02.04.2025 to 29.03.2028) | NABL (ISO/IEC 17025: 2017) Accredited Testing Laboratory (TC-15345) (22.01.2025 to 22.09.2026) | QCI-NABET Accredited EIA & GW Consultant Organisation | GPCB Recognized Environmental Auditor (Sch-II) | ISO 9001: 2015 Certified Company | ISO 45001: 2018 Certified OHS Management System

RESULTS OF SEDIMENT ANALYSIS [M8 RIGHT SIDE OF BOCHA CREEK N 22°45'987" E 069°43'119"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	TEST METHOD
			SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	SEDIMENT	
D			Benthic Organisms						
1	Macrobenthos	--	*Polychates*	*Gastropods*	*Gastropods*	*Polychates*	*Polychates*	*Polychates*	APHA (24th Ed. 2023)10500
			Decapods Larvae	*Decapods Larvae*	*Decapods Larvae*	*Amphipods*	*Amphipods*	*Amphipods*	
			Isopods	*Isopods*	*Isopods*	*Isopods*	*Isopods*	*Sipunculids*	
			Sipunculids	*Sipunculids*	*Sipunculids*	*Sipunculids*	*Herpectacoids*	*Herpectacoids*	
2	MeioBenthos	--	*Herpectacoids*	*Herpectacoids*	*Herpectacoids*	*Foraminiferan*	*Foraminiferan*	*Foraminiferan*	
			Turbellarians	*Turbellarians*	Turbellarians	Turbellarians	Turbellarians	*Turbellarians*	
3	Population	no/m²	368	367	368	367	368	366	

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RESULTS OF MARINE WATER [M11 MPT T1 JETTY N 22°42'278" E 069°43'450"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.23	8.06	8.21	8.04	8.25	8.14	7.98	7.82	8.24	8.09	8.1	7.93	IS 3025 (Part 11):2022
2.	Temperature	°C	29.9	29.8	30	29.9	29.9	29.8	29.6	29.5	29.5	29.4	29.4	29.3	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	132	110	140	118	134	110	142	118	136	122	144	128	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3.1	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	3.1	BDL(MDL: 1.0)	2.9	BDL(MDL: 1.0)	3.2	BDL(MDL: 1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.63	6.53	6.55	6.45	6.73	6.63	6.55	6.45	6.6	6.5	6.47	6.37	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.52	37.33	36.71	37.45	36.52	37.31	36.18	37.01	36.22	36.86	36.09	36.94	By Calculation
7.	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)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	BDL(MDL: 2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO_3	µmol/L	3.23	3.06	3.55	3.39	3.39	3.23	3.23	2.9	3.55	3.39	3.39	3.06	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO_2	µmol/L	0.391	0.37	0.391	0.37	0.37	0.348	0.304	0.283	0.283	0.261	0.261	0.239	APHA 24th Ed.2023,4500NO_2B
10.	Ammonical Nitrogen as NH_3	µmol/L	4.06	4.01	3.9	3.85	4.06	3.95	4.11	4.01	3.85	3.8	3.95	3.85	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO_4	µmol/L	1.05	BDL(MDL: 0.4)	1.26	1.16	1.37	1.26	1.58	1.47	1.26	1.37	1.37	1.26	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	7.681	7.44	7.841	7.61	7.82	7.528	7.644	7.193	7.683	7.451	7.601	7.149	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35510	36420	35740	36840	35322	35996	35190	36088	35220	36120	35314	36142	IS 3025(Part 16):2023
15.	COD	mg/L	24.5	20.4	20	16	20.8	16.6	28.5	24.4	32.1	28.1	28.2	24.2	IS 3025(Part 58):2023

Continue…

RESULTS OF MARINE WATER [M11 MPT T1 JETTY N 22°42'278" E 069°43'450"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.6	2.7	2.7	2.6	2.6	2.7	2.7	2.6	2.6	2.7	2.4	2.8	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	2.3	1.3	2.4	1.2	2.3	1.1	2.2	1.2	2.1	1.3	2	1.4	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	133	122	134	123	133	122	131	121	132	122	131	120	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	*Dinophysis*	*Navicula*	*Odontella*	*Cyclotella*	*Cyclotella*	*Surirella*	*Odontella*	*Nitzschia*	*Odontella*	*Nitzschia*	*Odontella*	*Nitzschia*	APHA (24th Ed. 2023)10200A-G
			Pinnularia	*Skeletonema*	*Rhizosolenia*	*Pinnularia*	*Pinnularia*	*Skeletonema*	*Rhizosolenia*	*Pinnularia*	*Rhizosolenia*	*Pinnularia*	*Rhizosolenia*	*Pinnularia*	
			Thalassiothrix	*Rhizosolenia*	*Coscinodiscus*	*Skeletonema*	*Thalassiothrix*	*Rhizosolenia*	*Coscinodiscus*	*Odontella*	*Coscinodiscus*	*Odontella*	*Coscinodiscus*	*Odontella*	
			Grammatophora	*Dinophysis*	*Grammatophora*	*Thallassiosira*	*Rhizosolenia*	*Cyclotella*	*Grammatophora*	*Dinophysis*	*Grammatophora*	*Dinophysis*	*Pleurosigma*	*Dinophysis*	
			Ceratium	*Thalassionema*	*Thallassiosira*	*Thalassionema*	*Ceratium*	*Thalassionema*	*Thallassiosira*	*Surirella*	*Thallassiosira*	*Surirella*	*Thallassiosira*	*Surirella*	

B			Zooplankton						
1	Abudance(Population)	noX103/ 100 m3	32	30	31	34	36	34	APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		*Diploneis*	*Diploneis*	*Diploneis*	*Decapoda*	*Decapoda*	*Decapoda*	
			Rhizosolenia	*Rhizosolenia*	*Rhizosolenia*	*Copepods*	*Copepods*	*Oikoplura*	
			Nitzschia	*Nitzschia*	*Nitzschia*	*Crustacean Larvae*	*Crustacean Larvae*	*Crustacean Larvae*	
			Thalassiothrix	*Coscinodiscus*	*Coscinodiscus*	*Crustacean*	*Crustacean*	*Bivalve Larvae*	
			Pleurosigma	*Pleurosigma*	*Pleurosigma*	*Oikoplura*	*Oikoplura*	*Oikoplura*	
3	Total Biomass	ml/100 m³	15.22	15.21	15.22	15.22	15.21	15.2	

Continue…

RESULTS OF MARINE WATER [M11 MPT T1 JETTY N 22°42'278" E 069°43'450"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM			
C			Microbiological												
1	Total Bacterial Count	CFU/ml	236		237		236		234		236		234		APHA 24th Ed.2023,9215 -C
2	Total Coliform	/100ml	42		41		40		42		40		42		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	30		32		31		30		32		30		IS :15185:2016
4	Enterococcus	/100ml	13		12		11		12		10		11		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976

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RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
1.	pH	--	8.17	8.06	8.22	8.01	8.27	8.16	8.04	7.81	8.14	8.03	8.09	7.89	IS 3025 (Part 11):2022
2.	Temperature	°C	29.9	29.8	30	29.9	29.8	29.7	29.6	29.5	29.5	29.4	29.4	29.3	IS 3025 (Part 9):2023
3.	Total Suspended Solids	mg/L	130	110	142	118	122	96	138	102	124	110	132	114	APHA 24th Ed.,2023,2540- D
4.	BOD (3 Days @ 27°C)	mg/L	3	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	3.4	BDL(MDL :1.0)	2.8	BDL(MDL :1.0)	2.5	BDL(MDL :1.0)	3.1	BDL(MDL :1.0)	IS 3025 (Part 44):2023
5.	Dissolved Oxygen	mg/L	6.83	6.73	6.75	6.65	6.94	6.83	6.75	6.65	6.81	6.71	6.67	6.57	APHA 24th Ed.2023,4500-O, B
6.	Salinity	ppt	36.56	37.28	36.52	37.38	36.29	37.11	36.44	37.19	36.25	37.03	36.22	36.94	By Calculation
7.	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)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	BDL(MDL :2.0)	IS 3025 (Part 39):2021
8.	Nitrate as NO_3	µmol/L	3.39	3.23	3.23	3.06	2.9	2.74	3.39	3.23	3.23	3.06	3.55	3.39	APHA 24th Ed. 2023,4500 NO3-B
9.	Nitrite as NO_2	µmol/L	0.435	0.391	0.413	0.391	0.37	0.348	0.326	0.304	0.239	0.217	0.283	0.261	APHA 24th Ed.2023,4500NO_2B
10.	Ammonical Nitrogen as NH_3	µmol/L	4.11	4.01	4.27	4.22	4.16	4.06	4.11	4.01	3.74	3.69	4.01	3.95	APHA 24th Ed. 2023,4500- NH3 B
11.	Phosphates as PO_4	µmol/L	1.26	1.16	1.37	1.26	1.47	1.37	1.37	1.26	1.26	1.16	1.47	1.37	APHA 24th Ed.2023,4500-P, D
12.	Total Nitrogen	µmol/L	7.935	7.631	7.913	7.671	7.43	7.148	7.826	7.544	7.209	6.967	7.843	7.601	APHA 24th Ed. 2023,4500 NH3 - B
13.	Petroleum Hydrocarbon	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	APHA 24th ED.2023,5520 F
14.	Total Dissolved Solids	mg/L	35790	36610	35940	36840	36120	36880	36340	37116	36300	37060	36146	36944	IS 3025(Part 16):2023
15.	COD	mg/L	28.6	24.5	24	20	25	20.8	28.5	24.4	32.1	28.1	36.3	32.2	IS 3025(Part 58):2023

Continue…

RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
A			Phytoplankton												
1.	Chlorophyll	mg/m³	2.2	2.3	2.1	2.2	2.2	2.1	2.1	2.2	2.2	2.1	2.1	2	APHA (24th Ed. 2023)10200A-G
2.	Phaeophytin	mg/m³	1.18	1.48	1.17	1.47	1.16	1.46	1.17	1.47	1.16	1.46	1.14	1.44	APHA (24th Ed. 2023)10200A-G
3.	Cell Count	No. x 10³/L	78	133	76	132	77	133	76	132	77	133	78	135	APHA (24th Ed. 2023)10200A-G
4	Name of Group Number and name of group species of each group	--	*Ceratium*	*Melosira*	*Ceratium*	*Rhizosolenia*	*Surirella*	*Rhizosolenia*	*Skeletonema*	*Odontella*	*Skeletonema*	*Odontella*	*Skeletonema*	*Odontella*	APHA (24th Ed. 2023)10200A-G
			Pinnularia	*Dinophysis*	*Pinnularia*	*Dinophysis*	*Pinnularia*	*Dinophysis*	*Grammatophora*	*Rhizosolenia*	*Grammatophora*	*Rhizosolenia*	*Grammatophora*	*Rhizosolenia*	
			Odontella	*Skeletonema*	*Odontella*	*Skeletonema*	*Grammatophora*	*Skeletonema*	*Nitzschia*	*Coscinodiscus*	*Nitzschia*	*Coscinodiscus*	*Nitzschia*	*Coscinodiscus*	
			Thalassiothrix	*Thallassiosira*	*Thalassiothrix*	*Thallassiosira*	*Thalassiothrix*	*Thallassiosira*	*Thalassiothrix*	*Grammatophora*	*Thalassiothrix*	*Grammatophora*	*Coscinodiscus*	*Pinnularia*	
			Thallassiosira	*Thalassionema*	*Thallassiosira*	*Melosira*	*Rhizosolenia*	*Melosira*	*Pleurosigma*	*Thallassiosira*	*Pleurosigma*	*Thallassiosira*	*Pleurosigma*	*Thallassiosira*	
B			Zooplankton												
1	Abudance (Population)	noX10 3/ 100 m3	72		70		71		70		71		70		APHA (24rd Ed. 2023)10200 G
2	Name of Group Number and name of group species of each group		*Nitzschia*		*Nitzschia*		*Nitzschia*		*Copepods*		*Copepods*		*Copepods*		
			Grammatophora		*Grammatophora*		*Grammatophora*		*Oikoplura*		*Oikoplura*		*Oikoplura*		
			Diploneis		*Diploneis*		*Egg(Fish and Shrimps)*		*Crustacean Larvae*		*Crustacean Larvae*		*Crustacean Larvae*		
			Thalassiothrix		*Thalassiothrix*		*Thalassiothrix*		*Crustacean*		*Crustacean*		*Crustacean*		
			Pleurosigma		*Pleurosigma*		*Pleurosigma*		*Bivalve Larvae*		*Bivalve Larvae*		*Egg(Fish and Shrimps)*		
3	Total Biomass	ml/100 m³	14.56		14.56		14.57		14.56		14.55		14.52		

Continue…

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Environment and Research Labs Pvt. Ltd
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MoEF&CC Recog. Environmental Laboratory under The EPA, 1986 (02.04.2025 to 29.03.2028) | NABL (ISO/IEC 17025: 2017) Accredited Testing Laboratory (TC-15345) (22.01.2025 to 22.09.2026) | QCI-NABET Accredited EIA & GW Consultant Organisation | GPCB Recognized Environmental Auditor (Sch-II) | ISO 9001: 2015 Certified Company | ISO 45001: 2018 Certified OHS Management System

RESULTS OF MARINE WATER [M12 SPM N 22°40'938" E 069°39'191"]

SR. NO.	TEST PARAMETERS	UNIT	Apr-25		May-25		Jun-25		Jul-25		Aug-25		Sep-25		TEST METHOD
			SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	SURFACE	BOTTOM	
C			Microbiological												
1	Total Bacterial Count	CFU/ml	262		262		264		266		264		266		APHA 24th Ed.2023,9215 -C
2	Total Coliform	/100ml	51		51		52		50		52		50		APHA 24thEd.2023, 9222-B
3	E.coli	/100ml	42		42		41		40		41		40		IS :15185:2016
4	Enterococcus	/100ml	34		34		31		32		31		30		IS:15186:2002
5	Salmonella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS:15187:2016
6	Shigella	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		APHA 24thEd.2023, 9260-E
7	Vibrio	/100ml	Absent		Absent		Absent		Absent		Absent		Absent		IS: 5887 (Part V):1976

GUJARAT VAPI.

Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

RESULTS OF ETP OUTLET WATER

SR.NO.	TEST PARAMETERS	UNIT	LIQUID TERMINAL						GPCB Limit	TEST METHOD
			Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25		
			27-04-2024	12-05-2025	05-06-2025	14-07-2025	18-08-2025	02-09-2025		
1	pH @ 27 ° C	--	7.45	6.91	7.35	7.68	7.74	7.47	6.5 to 8.5	IS 3025(Part 11):2022
2	Temperature	^{0}C	31	31	30.5	30	30	30	40	IS 3025(Part 9):2023
3	Colour	Pt. Co. Scale	40	40	50	60	50	50	100	IS 3025(Part 4):2021
4	Total Suspended Solids	mg/L	24	22	28	26	28	74	100	APHA 24th Ed.2023,2540 –D
5	Oil & Grease	mg/L	BDL(MDL:4.0)	BDL(MDL:4.0)	BDL(MDL:4.0)	BDL(MDL:4.0)	BDL(MDL:4.0)	BDL(MDL:4.0)	10	IS 3025(Part 39):2021
6	Ammonical Nitrogen	mg/L	24.5	28.6	32.2	25.2	22.6	35.4	50	IS 3025(Part 34):1988,
7	BOD (3 days at 27 ^{0}C)	mg/L	21	24.5	26	23	24	23	30	IS 3025(Part 44):2023
8	COD	mg/L	72.4	88.4	87.8	76.4	85.2	86.2	100	IS 3025(Part 58):2023
9	Chloride (as Cl) $^-$	mg/L	262.5	240	349.9	402.4	333.6	441.5	600	IS 3025(Part 32):1988
10	Sulphate (as SO_4)	mg/L	36	32	36.4	42	48	66	1000	IS 3025(Part 24):2022
11	Total Dissolved Solids	mg/L	710	744	760	1010	1000	1120	2100	APHA 24th Ed.2023,2540- C
12	Percent Sodium	%	47.13	46.3	47.44	47.65	46.47	46.55	60	By Calculation
13	Phenolic Compound	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):2022

Continue…

SR. NO.	TEST PARAMETERS	UNIT	LIQUID TERMINAL						GPCB Limit	TEST METHOD
			Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25		
			27-04-2024	12-05-2025	05-06-2025	14-07-2025	18-08-2025	02-09-2025		
14	Sulphide as S	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.1)	BDL(MDL:0.05)	BDL(MDL:0.05)	2	APHA 24th Ed.2023,4500 S^{-2} F
15	Sodium Absorption ratio	--	2.90	3.1	3.3	3	3.1	3.2	26	By Calculation
16	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 42):1992
17	Lead as Pb	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	0.1	APHA 24th Ed.2023,3111-B
18	Cadmium as Cd	mg/L	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	2	APHA 24th Ed.2023,3111-B
19	Fluoride as F	mg/L	0.62	0.59	0.44	0.51	0.48	0.68	2	APHA 24th Ed.2023,4500 F, D
20	Residual Chlorine	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	0.62	BDL(MDL:0.1)	BDL(MDL:0.1)	0.5 Min.	APHA 24th Ed.2023,4500-Cl-G

GUJARAT VAPI.

Mr. Nilesh Patel
Sr. Chemist

Mr. Nitin Tandel
Technical Manager

Results of Ambient Air Quality Monitoring

Name of Location		CT3 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
1.	03-04-2025	84.37	37.84	34.15	38.82	1.18	--	NOT DETECTED
2.	07-04-2025	80.53	35.38	33.74	36.92	1.14	4.8	NOT DETECTED
3.	10-04-2025	77.19	32.15	28.47	32.58	1.10	4.72	NOT DETECTED
4.	14-04-2025	79.53	33.68	30.82	34.97	1.13	4.78	NOT DETECTED
5.	17-04-2025	83.26	36.11	32.41	37.26	1.17	4.85	NOT DETECTED
6.	21-04-2025	86.15	39.74	35.89	39.61	1.18	4.98	NOT DETECTED
7.	24-04-2025	81.64	37.62	32.16	36.49	1.14	4.81	NOT DETECTED
8.	28-04-2025	84.59	38.41	33.56	37.82	1.16	4.88	NOT DETECTED
9.	01-05-2025	82.32	35.43	32.12	35.67	1.21	4.56	NOT DETECTED
10.	05-05-2025	75.67	33.12	30.12	34.54	1.18	4.78	NOT DETECTED
11.	08-05-2025	73.21	31.12	27.34	31.23	1.14	4.7	NOT DETECTED
12.	12-05-2025	78.23	32.56	29.56	33.23	1.18	4.65	NOT DETECTED
13.	15-05-2025	80.12	34.23	30.34	34.42	1.21	4.96	NOT DETECTED
14.	19-05-2025	82.34	38.54	34.12	37.65	1.20	4.67	NOT DETECTED
15.	22-05-2025	79.89	36.17	30.98	35.23	1.18	4.88	NOT DETECTED

Continue…

Name of Location		CT3 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
16.	26-05-2025	81.23	37.23	31.24	34.43	1.23	4.32	NOT DETECTED
17.	29-05-2025	76.54	34.23	29.67	33.12	1.20	4.14	NOT DETECTED
18.	02-06-2025	80.13	33.57	28.23	33.62	1.13	4.26	NOT DETECTED
19.	05-06-2025	77.96	31.13	25.84	30.65	1.06	4.38	NOT DETECTED
20.	09-06-2025	75.36	28.48	24.76	28.34	1.02	4.3	NOT DETECTED
21.	12-06-2025	78.11	30.37	26.21	31.23	1.08	4.43	NOT DETECTED
22.	16-06-2025	72.16	28.43	23.65	27.58	1.00	4.32	NOT DETECTED
23.	19-06-2025	66.91	25.46	21.78	25.87	0.91	4.25	NOT DETECTED
24.	23-06-2025	70.86	27.37	26.54	31.36	0.97	4.36	NOT DETECTED
25.	26-06-2025	68.43	26.58	24.35	29.13	0.88	4.21	NOT DETECTED
26.	30-06-2025	73.32	29.21	27.56	32.29	1.05	4.28	NOT DETECTED
27.	03-07-2025	71.25	27.14	25.47	29.64	1.00	--	NOT DETECTED
28.	07-07-2025	73.46	30.72	27.81	31.1	1.07	4.37	NOT DETECTED
29.	10-07-2025	67.21	25.62	24.35	27.79	0.97	4.32	NOT DETECTED
30.	14-07-2025	64.38	22.29	21.28	25.63	0.86	4.25	NOT DETECTED
31.	17-07-2025	69.53	24.38	24.55	28.26	0.92	4.29	NOT DETECTED

Continue…

Name of Location		CT3 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
32.	21-07-2025	72.17	27.59	28.13	32.91	0.97	4.4	NOT DETECTED
33.	24-07-2025	66.43	22.15	26.73	30.17	0.9	4.34	NOT DETECTED
34.	28-07-2025	62.96	21.89	22.51	26.44	0.82	4.23	NOT DETECTED
35.	31-07-2025	64.83	24.37	24.92	28.38	0.87	4.26	NOT DETECTED
36.	04-08-2025	62.59	23.96	21.27	24.13	0.82	4.18	NOT DETECTED
37.	07-08-2025	65.49	24.16	23.48	27.31	0.87	4.26	NOT DETECTED
38.	11-08-2025	70.13	27.52	25.62	29.53	0.95	4.32	NOT DETECTED
39.	14-08-2025	68.75	25.67	23.13	26.86	0.84	4.25	NOT DETECTED
40.	18-08-2025	64.16	24.13	21.75	24.15	0.72	4.16	NOT DETECTED
41.	21-08-2025	59.62	21.08	18.59	23.37	0.68	4.23	NOT DETECTED
42.	25-08-2025	63.15	23.29	20.31	24.62	0.76	4.35	NOT DETECTED
43.	28-08-2025	67.49	26.63	23.47	27.42	0.82	4.46	NOT DETECTED
44.	01-09-2025	69.42	26.15	24.36	27.47	0.77	4.35	NOT DETECTED
45.	04-09-2025	73.04	29.53	26.12	30.43	0.72	4.47	NOT DETECTED
46.	08-09-2025	75.13	30.79	28.64	31.56	0.75	4.56	NOT DETECTED
47.	11-09-2025	68.43	28.64	24.22	27.58	0.67	4.31	NOT DETECTED

Continue…

Name of Location		CT3 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
48.	15-09-2025	65.49	25.47	23.85	26.39	0.62	4.22	NOT DETECTED
49.	18-09-2025	69.35	27.14	25.65	28.24	0.65	4.35	NOT DETECTED
50.	22-09-2025	64.59	23.48	23.16	26.43	0.56	4.14	NOT DETECTED
51.	25-09-2025	66.12	25.62	26.75	29.48	0.59	4.22	NOT DETECTED
52.	29-09-2025	68.53	26.36	24.47	27.13	0.63	4.30	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**

Rajnish D. Gohil
(Chemist)

GUJARAT VAPI.

Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		Near Fire Station						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
1.	03-04-2025	74.27	25.36	24.17	28.81	0.77	--	NOT DETECTED
2.	07-04-2025	77.49	26.91	26.53	30.64	0.82	2.81	NOT DETECTED
3.	10-04-2025	70.63	24.42	22.13	26.89	0.74	2.73	NOT DETECTED
4.	14-04-2025	74.39	27.64	23.58	28.53	0.66	2.78	NOT DETECTED
5.	17-04-2025	79.81	29.15	26.73	30.71	0.70	2.85	NOT DETECTED
6.	21-04-2025	68.56	22.79	22.64	26.25	0.62	2.67	NOT DETECTED
7.	24-04-2025	75.19	25.97	25.47	29.68	0.73	2.72	NOT DETECTED
8.	28-04-2025	80.78	29.35	28.13	32.54	0.79	2.76	NOT DETECTED
9.	01-05-2025	73.45	23.12	22.34	25.76	0.65	2.31	NOT DETECTED
10.	05-05-2025	74.23	24.56	24.56	28.98	0.76	2.78	NOT DETECTED
11.	08-05-2025	68.78	23.11	21.12	24.34	0.65	2.56	NOT DETECTED
12.	12-05-2025	71.23	26.76	22.67	25.67	0.57	2.7	NOT DETECTED
13.	15-05-2025	75.34	28.34	24.54	28.76	0.65	2.81	NOT DETECTED
14.	19-05-2025	67.12	21.12	20.98	25.43	0.56	2.64	NOT DETECTED
15.	22-05-2025	74.23	24.32	23.23	27.76	0.7	2.70	NOT DETECTED

Continue…

Name of Location		Near Fire Station						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
16.	26-05-2025	76.12	27.65	26.76	29.87	0.73	2.68	NOT DETECTED
17.	29-05-2025	72.34	25.21	24.12	28.45	0.68	2.72	NOT DETECTED
18.	02-06-2025	66.13	21.76	23.19	28.64	0.56	2.61	NOT DETECTED
19.	05-06-2025	64.39	20.26	20.64	25.13	0.47	2.54	NOT DETECTED
20.	09-06-2025	68.53	24.39	24.47	28.86	0.54	2.57	NOT DETECTED
21.	12-06-2025	61.37	17.56	18.24	23.45	0.41	2.4	NOT DETECTED
22.	16-06-2025	57.67	15.46	14.39	19.47	0.37	2.35	NOT DETECTED
23.	19-06-2025	63.45	18.24	16.47	21.53	0.48	2.48	NOT DETECTED
24.	23-06-2025	60.82	17.97	15.47	20.91	0.57	2.39	NOT DETECTED
25.	26-06-2025	58.35	16.24	18.75	23.47	0.52	2.28	NOT DETECTED
26.	30-06-2025	65.11	20.57	20.26	25.99	0.45	2.42	NOT DETECTED
27.	03-07-2025	62.18	18.75	20.52	24.31	0.42	--	NOT DETECTED
28.	07-07-2025	60.98	17.34	18.73	21.46	0.35	2.34	NOT DETECTED
29.	10-07-2025	64.39	19.24	22.15	26.47	0.39	2.39	NOT DETECTED
30.	14-07-2025	58.64	15.92	17.47	21.99	0.5	2.25	NOT DETECTED
31.	17-07-2025	56.4	14.27	15.64	19.37	0.54	2.27	NOT DETECTED

Continue…

Name of Location		Near Fire Station						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
32.	21-07-2025	61.22	17.48	19.21	23.46	0.58	2.34	NOT DETECTED
33.	24-07-2025	64.38	18.89	22.36	27.68	0.56	2.4	NOT DETECTED
34.	28-07-2025	54.18	14.37	17.65	22.39	0.43	2.29	NOT DETECTED
35.	31-07-2025	57.49	16.28	19.85	23.11	0.47	2.33	NOT DETECTED
36.	04-08-2025	55.32	15.64	17.5	21.72	0.51	2.39	NOT DETECTED
37.	07-08-2025	58.16	17.62	18.26	23.51	0.56	2.46	NOT DETECTED
38.	11-08-2025	62.49	20.13	20.38	24.11	0.59	2.49	NOT DETECTED
39.	14-08-2025	66.49	23.56	21.93	25.79	0.63	2.55	NOT DETECTED
40.	18-08-2025	60.11	22.17	20.38	24.62	0.58	2.46	NOT DETECTED
41.	21-08-2025	57.96	19.63	18.64	23.48	0.54	2.38	NOT DETECTED
42.	25-08-2025	62.26	21.48	20.35	24.78	0.6	2.43	NOT DETECTED
43.	28-08-2025	64.56	23.87	21.32	25.81	0.68	2.51	NOT DETECTED
44.	01-09-2025	65.13	21.56	19.48	23.13	0.65	2.56	NOT DETECTED
45.	04-09-2025	67.58	24.39	20.53	23.64	0.72	2.47	NOT DETECTED
46.	08-09-2025	70.49	27.55	23.28	27.11	0.77	2.61	NOT DETECTED
47.	11-09-2025	65.35	23.94	21.46	25.29	0.69	2.56	NOT DETECTED

Continue…

Name of Location		Near Fire Station						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
48.	15-09-2025	69.59	26.47	25.34	29.64	0.72	2.58	NOT DETECTED
49.	18-09-2025	73.23	28.14	28.04	32.15	0.8	2.67	NOT DETECTED
50.	22-09-2025	64.38	22.76	21.27	24.87	0.61	2.53	NOT DETECTED
51.	25-09-2025	66.37	24.68	19.56	23.82	0.65	2.64	NOT DETECTED
52.	29-09-2025	69.13	26.51	23.69	26.53	0.68	2.59	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**

Rajnish D. Gohil
(Chemist)

GUJARAT VAPI.

Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		ADANI PORT – TUG Berth 600 KL Pupm House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
1.	03-04-2025	81.48	36.18	29.73	33.97	0.81	--	NOT DETECTED
2.	07-04-2025	84.57	38.61	33.16	38.42	0.87	3.83	NOT DETECTED
3.	10-04-2025	79.13	34.11	28.56	33.56	0.75	3.74	NOT DETECTED
4.	14-04-2025	82.39	35.87	32.19	37.1	0.79	3.77	NOT DETECTED
5.	17-04-2025	85.47	37.25	35.47	39.84	0.85	3.81	NOT DETECTED
6.	21-04-2025	78.57	33.29	30.54	35.52	0.76	3.76	NOT DETECTED
7.	24-04-2025	74.19	31.69	27.17	33.83	0.70	3.68	NOT DETECTED
8.	28-04-2025	76.91	33.58	29.35	34.62	0.74	3.72	NOT DETECTED
9.	01-05-2025	79.76	34.12	28.23	31.2	0.78	3.51	NOT DETECTED
10.	05-05-2025	82.34	37.54	30.87	36.56	0.67	3.67	NOT DETECTED
11.	08-05-2025	78.45	33.12	29.67	32.78	0.82	3.61	NOT DETECTED
12.	12-05-2025	81.23	34.23	33.12	36.23	0.76	3.7	NOT DETECTED
13.	15-05-2025	84.12	36.23	32.21	38.56	0.82	3.78	NOT DETECTED
14.	19-05-2025	77.23	30.98	29.87	34.21	0.77	3.67	NOT DETECTED
15.	22-05-2025	72.12	29.87	26.23	32.12	0.43	3.75	NOT DETECTED

Continue…

Name of Location		ADANI PORT – TUG Berth 600 KL Pupm House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
16.	26-05-2025	74.34	31.21	28.23	33.78	0.78	3.7	NOT DETECTED
17.	29-05-2025	71.32	30.78	29.78	32.12	0.72	3.72	NOT DETECTED
18.	02-06-2025	74.57	28.13	30.52	34.86	0.69	3.46	NOT DETECTED
19.	05-06-2025	69.58	26.48	27.56	31.21	0.62	3.37	NOT DETECTED
20.	09-06-2025	66.13	24.86	26.43	29.64	0.56	3.29	NOT DETECTED
21.	12-06-2025	72.34	27.54	28.35	32.56	0.58	3.51	NOT DETECTED
22.	16-06-2025	75.48	31.12	31.46	36.82	0.65	3.6	NOT DETECTED
23.	19-06-2025	68.58	26.53	26.45	30.14	0.56	3.56	NOT DETECTED
24.	23-06-2025	64.35	23.19	24.82	28.67	0.47	3.42	NOT DETECTED
25.	26-06-2025	70.13	26.58	25.86	30.11	0.58	3.52	NOT DETECTED
26.	30-06-2025	67.54	25.36	24.75	28.46	0.53	3.4	NOT DETECTED
27.	03-07-2025	65.49	25.11	23.84	27.15	0.56	--	NOT DETECTED
28.	07-07-2025	62.57	23.46	20.61	24.83	0.5	3.3	NOT DETECTED
29.	10-07-2025	67.58	26.85	25.38	29.61	0.53	3.41	NOT DETECTED
30.	14-07-2025	70.23	29.18	29.91	34.39	0.6	3.54	NOT DETECTED
31.	17-07-2025	72.34	30.98	32.05	37.81	0.66	3.58	NOT DETECTED

Continue…

Name of Location		ADANI PORT – TUG Berth 600 KL Pupm House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
32.	21-07-2025	66.48	27.63	27.35	32.54	0.62	3.46	NOT DETECTED
33.	24-07-2025	64.32	24.14	23.52	26.88	0.57	3.42	NOT DETECTED
34.	28-07-2025	59.85	21.28	20.95	24.58	0.46	3.33	NOT DETECTED
35.	31-07-2025	66.41	26.74	23.45	27.21	0.53	3.28	NOT DETECTED
36.	04-08-2025	68.72	29.11	25.63	30.25	0.61	3.38	NOT DETECTED
37.	07-08-2025	73.15	31.26	26.89	31.21	0.65	3.49	NOT DETECTED
38.	11-08-2025	70.52	28.76	25.21	29.87	0.58	3.42	NOT DETECTED
39.	14-08-2025	74.54	33.18	28.74	33.27	0.69	3.56	NOT DETECTED
40.	18-08-2025	66.15	26.64	23.85	26.49	0.56	3.52	NOT DETECTED
41.	21-08-2025	69.13	28.91	26.24	31.28	0.58	3.45	NOT DETECTED
42.	25-08-2025	67.92	25.32	25.16	29.69	0.62	3.62	NOT DETECTED
43.	28-08-2025	72.42	31.46	29.84	33.66	0.68	3.58	NOT DETECTED
44.	01-09-2025	75.48	32.13	30.89	34.67	0.71	3.6	NOT DETECTED
45.	04-09-2025	71.3	29.67	27.14	31.36	0.76	3.53	NOT DETECTED
46.	08-09-2025	77.59	34.57	32.87	36.58	0.66	3.72	NOT DETECTED
47.	11-09-2025	74.39	32.53	31.16	35.42	0.58	3.65	NOT DETECTED

Continue…

Name of Location		ADANI PORT – TUG Berth 600 KL Pupm House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
48.	15-09-2025	70.58	29.32	27.92	31.78	0.53	3.58	NOT DETECTED
49.	18-09-2025	67.58	27.46	25.37	30.24	0.48	3.53	NOT DETECTED
50.	22-09-2025	65.37	25.94	24.36	28.41	0.54	3.45	NOT DETECTED
51.	25-09-2025	69.14	28.47	26.51	30.73	0.63	3.53	NOT DETECTED
52.	29-09-2025	66.58	26.45	24.87	28.14	0.58	3.59	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**

Rajnish D. Gohil
(Chemist)

GUJARAT VAPI.

Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
1.	03-04-2025	74.21	25.48	16.14	20.23	0.70	--	NOT DETECTED
2.	07-04-2025	69.52	22.16	14.35	28.69	0.67	2.47	NOT DETECTED
3.	10-04-2025	64.47	19.64	13.75	27.53	0.63	2.35	NOT DETECTED
4.	14-04-2025	61.85	18.62	12.58	16.42	0.57	2.28	NOT DETECTED
5.	17-04-2025	63.47	19.79	13.36	17.88	0.61	2.37	NOT DETECTED
6.	21-04-2025	68.17	21.54	15.67	19.45	0.66	2.45	NOT DETECTED
7.	24-04-2025	73.26	25.75	18.31	22.72	0.71	2.53	NOT DETECTED
8.	28-04-2025	66.58	23.27	16.35	20.48	0.65	2.48	NOT DETECTED
9.	01-05-2025	72.34	23.24	15.34	18.80	0.67	2.75	NOT DETECTED
10.	05-05-2025	67.87	21.12	13.21	17.67	0.58	2.37	NOT DETECTED
11.	08-05-2025	63.21	18.78	14.65	18.98	0.61	2.28	NOT DETECTED
12.	12-05-2025	60.87	19.89	11.12	15.45	0.55	2.45	NOT DETECTED
13.	15-05-2025	62.23	18.23	12.12	16.34	0.64	2.41	NOT DETECTED
14.	19-05-2025	70.20	20.78	14.23	18.76	0.61	2.32	NOT DETECTED
15.	22-05-2025	67.34	24.32	17.54	21.12	0.74	2.45	NOT DETECTED

Continue…

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
16.	26-05-2025	64.21	21.12	14.21	18.56	0.60	2.38	NOT DETECTED
17.	29-05-2025	61.21	18.78	13.21	17.34	0.58	2.12	NOT DETECTED
18.	02-06-2025	63.47	19.76	12.47	16.25	0.49	2.36	NOT DETECTED
19.	05-06-2025	57.59	18.23	11.64	14.97	0.44	2.42	NOT DETECTED
20.	09-06-2025	65.49	20.86	14.36	19.42	0.56	2.54	NOT DETECTED
21.	12-06-2025	68.13	23.45	15.74	19.83	0.62	2.64	NOT DETECTED
22.	16-06-2025	59.63	19.84	13.42	17.38	0.54	2.47	NOT DETECTED
23.	19-06-2025	56.37	16.54	10.85	14.18	0.51	2.35	NOT DETECTED
24.	23-06-2025	58.21	17.18	11.53	16.25	0.59	2.30	NOT DETECTED
25.	26-06-2025	63.25	20.98	13.25	17.24	0.67	2.41	NOT DETECTED
26.	30-06-2025	60.65	19.52	12.25	16.42	0.60	2.38	NOT DETECTED
27.	03-07-2025	55.47	18.24	13.65	17.43	0.56	--	NOT DETECTED
28.	07-07-2025	59.31	20.85	14.93	17.97	0.61	2.33	NOT DETECTED
29.	10-07-2025	57.59	18.87	13.26	16.78	0.54	2.24	NOT DETECTED
30.	14-07-2025	62.37	21.28	16.49	20.31	0.64	2.29	NOT DETECTED
31.	17-07-2025	65.48	23.64	19.11	23.46	0.67	2.37	NOT DETECTED

Continue…

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
32.	21-07-2025	60.32	20.97	17.15	21.78	0.52	2.34	NOT DETECTED
33.	24-07-2025	56.39	16.84	14.31	18.52	0.45	2.27	NOT DETECTED
34.	28-07-2025	51.66	13.82	12.94	16.85	0.39	2.19	NOT DETECTED
35.	31-07-2025	53.09	15.53	13.78	17.31	0.42	2.22	NOT DETECTED
36.	04-08-2025	58.25	17.36	14.08	17.59	0.46	2.24	NOT DETECTED
37.	07-08-2025	62.49	18.76	15.95	20.13	0.49	2.30	NOT DETECTED
38.	11-08-2025	64.13	20.15	17.11	21.54	0.56	2.36	NOT DETECTED
39.	14-08-2025	60.28	18.31	14.56	18.62	0.52	2.32	NOT DETECTED
40.	18-08-2025	54.13	15.64	12.43	16.29	0.41	2.25	NOT DETECTED
41.	21-08-2025	51.21	14.62	11.49	15.31	0.37	2.17	NOT DETECTED
42.	25-08-2025	56.79	16.05	13.42	17.48	0.46	2.20	NOT DETECTED
43.	28-08-2025	62.15	18.52	16.89	20.16	0.54	2.28	NOT DETECTED
44.	01-09-2025	64.38	20.42	15.75	19.31	0.56	2.31	NOT DETECTED
45.	04-09-2025	67.58	22.35	16.14	20.34	0.59	2.28	NOT DETECTED
46.	08-09-2025	61.82	17.46	14.29	19.45	0.45	2.15	NOT DETECTED
47.	11-09-2025	65.47	19.32	15.38	19.12	0.49	2.37	NOT DETECTED

Continue…

Name of Location		PUB / Adani House						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
48.	15-09-2025	69.78	22.35	18.67	22.45	0.60	2.49	NOT DETECTED
49.	18-09-2025	62.18	20.45	16.37	20.57	0.54	2.38	NOT DETECTED
50.	22-09-2025	56.49	15.93	12.35	15.42	0.31	2.24	NOT DETECTED
51.	25-09-2025	58.64	16.78	13.39	17.57	0.26	2.30	NOT DETECTED
52.	29-09-2025	60.13	19.24	14.67	18.42	0.40	2.35	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**

Rajnish D. Gohil
(Chemist)

GUJARAT VAPI.

Jaivik S. Tandel
(Manager - Operations)

Results of Ambient Air Quality Monitoring

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
1.	03-04-2025	82.53	32.36	31.41	36.17	0.81	--	NOT DETECTED
2.	07-04-2025	79.81	30.64	29.43	33.69	0.77	4.16	NOT DETECTED
3.	10-04-2025	76.51	27.15	27.96	32.48	0.73	4.11	NOT DETECTED
4.	14-04-2025	80.13	32.19	30.42	35.16	0.80	4.21	NOT DETECTED
5.	17-04-2025	83.45	34.56	32.27	37.52	0.88	4.26	NOT DETECTED
6.	21-04-2025	76.81	29.28	27.15	32.19	0.79	4.15	NOT DETECTED
7.	24-04-2025	78.54	30.71	28.57	33.78	0.83	4.19	NOT DETECTED
8.	28-04-2025	82.43	34.65	31.43	36.55	0.91	4.23	NOT DETECTED
9.	01-05-2025	80.34	30.89	27.89	31.23	0.76	4.12	NOT DETECTED
10.	05-05-2025	78.45	28.78	31.21	35.34	0.65	4.28	NOT DETECTED
11.	08-05-2025	74.34	25.56	25.65	29.98	0.70	4.18	NOT DETECTED
12.	12-05-2025	79.45	30.98	29.89	33.23	0.78	4.22	NOT DETECTED
13.	15-05-2025	80.12	31.23	30.76	34.23	0.81	4.16	NOT DETECTED
14.	19-05-2025	74.34	28.78	26.56	29.98	0.75	4.22	NOT DETECTED
15.	22-05-2025	77.21	26.78	27.34	31.23	0.87	4.25	NOT DETECTED

Continue…

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
16.	26-05-2025	80.78	30.98	29.98	32.43	0.76	4.15	NOT DETECTED
17.	29-05-2025	76.56	27.67	30.12	34.23	0.82	4.22	NOT DETECTED
18.	02-06-2025	74.38	26.77	28.15	32.64	0.74	4.10	NOT DETECTED
19.	05-06-2025	77.35	29.13	29.97	32.98	0.78	4.21	NOT DETECTED
20.	09-06-2025	80.81	32.64	32.13	36.47	0.84	4.37	NOT DETECTED
21.	12-06-2025	78.13	28.79	28.42	33.11	0.76	4.27	NOT DETECTED
22.	16-06-2025	70.18	24.26	25.31	29.84	0.61	4.00	NOT DETECTED
23.	19-06-2025	67.48	23.65	22.76	26.49	0.58	3.88	NOT DETECTED
24.	23-06-2025	72.35	26.82	24.36	28.12	0.65	4.11	NOT DETECTED
25.	26-06-2025	75.27	27.64	26.83	31.52	0.70	4.18	NOT DETECTED
26.	30-06-2025	70.63	25.11	24.77	28.61	0.67	4.06	NOT DETECTED
27.	03-07-2025	72.19	24.86	23.91	28.13	0.65	--	NOT DETECTED
28.	07-07-2025	66.59	21.28	19.75	23.59	0.59	4.00	NOT DETECTED
29.	10-07-2025	69.42	23.65	20.14	26.42	0.63	3.91	NOT DETECTED
30.	14-07-2025	64.38	19.86	17.64	22.90	0.55	3.85	NOT DETECTED
31.	17-07-2025	68.68	21.40	19.32	24.89	0.58	3.96	NOT DETECTED

Continue…

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
32.	21-07-2025	70.13	26.57	21.38	26.57	0.65	4.13	NOT DETECTED
33.	24-07-2025	62.18	22.91	16.39	21.11	0.60	3.87	NOT DETECTED
34.	28-07-2025	60.49	18.73	15.34	19.69	0.51	3.83	NOT DETECTED
35.	31-07-2025	65.37	20.45	17.58	22.71	0.55	3.94	NOT DETECTED
36.	04-08-2025	67.58	22.16	20.47	25.64	0.59	4.12	NOT DETECTED
37.	07-08-2025	70.16	24.74	23.46	27.89	0.64	4.21	NOT DETECTED
38.	11-08-2025	73.15	27.38	26.73	30.16	0.71	4.35	NOT DETECTED
39.	14-08-2025	69.43	23.54	22.91	26.79	0.68	4.28	NOT DETECTED
40.	18-08-2025	62.13	20.19	16.42	21.42	0.60	4.15	NOT DETECTED
41.	21-08-2025	64.61	21.63	17.84	21.18	0.62	4.24	NOT DETECTED
42.	25-08-2025	68.46	24.98	21.76	26.39	0.72	4.30	NOT DETECTED
43.	28-08-2025	70.17	25.86	23.51	27.48	0.68	4.36	NOT DETECTED
44.	01-09-2025	73.18	29.74	26.46	31.87	0.65	4.43	NOT DETECTED
45.	04-09-2025	75.19	32.45	29.11	33.62	0.73	4.51	NOT DETECTED
46.	08-09-2025	69.58	25.47	23.56	26.89	0.61	4.37	NOT DETECTED
47.	11-09-2025	72.49	30.58	27.13	31.25	0.76	4.64	NOT DETECTED

Continue…

Name of Location		CT-4 RMU-2						
Sr. No.	Date of Monitoring	Parameter with Results						
		PM_{10} µg/m³	$PM_{2.5}$ µg/m³	SO_2 µg/m³	NO_2 µg/m³	CO mg/m³	HC µg/m³	Benzene µg/m³
48.	15-09-2025	77.38	33.46	30.68	36.14	0.83	4.71	NOT DETECTED
49.	18-09-2025	71.22	27.56	25.31	29.45	0.77	4.62	NOT DETECTED
50.	22-09-2025	64.29	24.31	21.35	24.22	0.59	4.41	NOT DETECTED
51.	25-09-2025	67.58	26.40	24.48	27.87	0.62	4.47	NOT DETECTED
52.	29-09-2025	69.32	29.84	25.10	29.23	0.70	4.33	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**

Rajnish D. Gohil
(Chemist)

GUJARAT VAPI.

Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		CT3 RMU-2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		14-04-2025	12-05-2025	12-06-2025	14-07-2025	14-08-2025	11-09-2025
1	06:00 to 07:00	60.5	64.5	64.8	64.5	64.3	64.1
2	07:00 to 08:00	63.4	69.2	68.7	66.3	65.8	64.8
3	08:00 to 09:00	64.5	67.8	67.3	66.8	66.8	65.7
4	09:00 to 10:00	65.8	69.5	68.6	65.8	65.8	66.3
5	10:00 to 11:00	67.1	65.3	68.1	67.5	67.3	66.2
6	11:00 to 12:00	66.8	60.6	69.5	68.8	67.7	67.5
7	12:00 to 13:00	66.5	65.5	68.5	67.5	67.2	64.5
8	13:00 to 14:00	67.1	67.2	67.3	66.7	64.3	67.7
9	14:00 to 15:00	66.4	68.5	65.2	64.3	64.9	64.2
10	15:00 to 16:00	64.3	66.5	67.5	63.2	65.2	64.3
11	16:00 to 17:00	64.5	65.5	64.8	65.3	64.7	61.3
12	17:00 to 18:00	65.4	68.9	66.2	66.7	64.5	63.5
13	18:00 to 19:00	66.3	67.2	65.9	65.5	65.1	64.8
14	19:00 to 20:00	64.8	66.7	66.3	66.1	63.8	64.2
15	20:00 to 21:00	63.1	65.4	64.5	63.4	64.6	63.5
16	21:00 to 22:00	61.9	63.9	62.8	62.4	62.6	61.9
Day Time		<75 dB (A)					

Continue...

Location Name		CT3 RMU-2					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) – Night Time					
		14-04-2025	12-05-2025	12-06-2025	14-07-2025	14-08-2025	11-09-2025
1	22:00 to 23:00	60.3	62.5	62.8	64.1	64.5	62.8
2	23:00 to 24:00	61.8	61.7	61.5	63.9	64.6	63.6
3	24:00 to 01:00	62.7	64.5	63.2	62.4	63.8	62.9
4	01:00 to 02:00	62.3	60.5	62.3	62.8	64.7	64.1
5	02:00 to 03:00	63.5	63.2	60.8	63.9	62.1	63.5
6	03:00 to 04:00	62.8	61.8	61.3	61.8	60.3	61.3
7	04:00 to 05:00	62.3	64.5	63.2	59.2	58.7	59.7
8	05:00 to 06:00	59.7	63.6	63.7	58.3	59.6	60.3
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981

Rajnish D. Gohil
(Chemist)

GUJARAT VAPI.

Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		Near Fire Station					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		07-04-2025	05-05-2025	05-06-2025	07-07-2025	07-08-2025	04-09-2025
1	06:00 to 07:00	62.5	65.8	63.7	62.8	64.1	62.3
2	07:00 to 08:00	63.2	67.9	65.4	65.1	64.4	64.5
3	08:00 to 09:00	64.5	69.3	68.7	66.4	65.8	64.8
4	09:00 to 10:00	63.6	68.6	68.2	67.9	67.6	66.2
5	10:00 to 11:00	66.4	68.3	67.4	66.4	65.4	64.3
6	11:00 to 12:00	65.6	67.3	68.4	67.2	66.8	65.7
7	12:00 to 13:00	65.1	66.2	65.3	67.5	67.1	66.2
8	13:00 to 14:00	65.8	68.2	66.9	66.9	66.9	65.7
9	14:00 to 15:00	66.2	67.5	64.3	65.1	65.5	63.2
10	15:00 to 16:00	64.8	62.9	66.4	66.4	66.4	64.3
11	16:00 to 17:00	64.3	66.4	65.4	64.8	64.3	65.1
12	17:00 to 18:00	64.3	62.6	65.9	65.4	64.2	63.9
13	18:00 to 19:00	63.2	65.5	64.3	64.1	62.8	63.4
14	19:00 to 20:00	63.5	68.5	66.8	65.7	63.7	64.2
15	20:00 to 21:00	64.2	66.7	64.3	64.3	63.4	61.9
16	21:00 to 22:00	60.1	62.8	62.2	62.6	61.2	61.5
Day Time		<75 dB (A)					

Continue…

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Location Name		Near Fire Station					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		07-04-2025	05-05-2025	05-06-2025	07-07-2025	07-08-2025	04-09-2025
1	22:00 to 23:00	61.3	63.5	62.7	60.2	62.3	61.7
2	23:00 to 24:00	62.8	62.5	63.5	63.8	61.5	60.5
3	24:00 to 01:00	64.7	61.9	61.8	64.6	63.7	64.3
4	01:00 to 02:00	62.7	62.8	61.4	62.3	64.3	63.2
5	02:00 to 03:00	62.9	60.5	60.5	61.3	62.3	63.7
6	03:00 to 04:00	63.1	59.6	60.8	59.1	60.7	61.4
7	04:00 to 05:00	61.4	58.5	59.5	58.5	60.2	59.7
8	05:00 to 06:00	60.1	59.7	60.6	58.1	58.4	58.6
Night Time		<70 dB (A)					

Test Method	IS: 9989 : 1981

GUJARAT VAPI.

Rajnish D. Gohil
(Chemist)

Jaivik S. Tandel
(Manager - Operations)

Results of Noise Level Monitoring

Location Name		ADANI PORT – TUG Berth 600 KL Pump House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time					
		10-04-2025	08-05-2025	09-06-2025	10-07-2025	11-08-2025	08-09-2025
1	06:00 to 07:00	57	63.4	63.4	63.3	62.7	60.5
2	07:00 to 08:00	59.6	66.9	66.2	64.8	63.8	61.2
3	08:00 to 09:00	61.3	65.5	64.5	65.7	65.7	63.4
4	09:00 to 10:00	65.4	69.6	68.7	66.6	66.6	63.9
5	10:00 to 11:00	65.8	65.2	69.3	68.6	68.3	67.5
6	11:00 to 12:00	64.3	66.5	68.3	68.2	67.5	65.4
7	12:00 to 13:00	65.3	69.5	67.8	66.3	66.4	67.2
8	13:00 to 14:00	64.3	67.5	66.4	65.8	65.5	66.9
9	14:00 to 15:00	64.3	68.2	67.6	68.3	66.3	65.4
10	15:00 to 16:00	64.2	69.5	68.1	67.3	67.7	65.1
11	16:00 to 17:00	65.8	68.5	66.2	65.9	65.8	64.3
12	17:00 to 18:00	63.4	68.2	67.4	67.2	65.4	64.8
13	18:00 to 19:00	65.1	69.5	68.7	68.4	67.3	66.9
14	19:00 to 20:00	64.3	65.5	64.3	65.8	65.6	66.5
15	20:00 to 21:00	60.5	61.5	63.2	64.8	65.6	64.3
16	21:00 to 22:00	58.8	64.5	63.5	63.1	63.5	62.4
Day Time		<75 dB (A)					

Continue…

Location Name		ADANI PORT – TUG Berth 600 KL Pump House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		10-04-2025	08-05-2025	09-06-2025	10-07-2025	11-08-2025	08-09-2025
1	22:00 to 23:00	58.1	61.5	63.1	62.3	60.8	59.4
2	23:00 to 24:00	59.7	62.5	62.8	60.5	58.6	59.8
3	24:00 to 01:00	61.8	62.3	62.7	62.3	61.5	60.5
4	01:00 to 02:00	63.1	62.3	60.5	64.6	62.3	61.3
5	02:00 to 03:00	64.1	61.6	61.3	63.2	63.9	61.4
6	03:00 to 04:00	61.7	60.3	62.6	61.7	62.2	60.5
7	04:00 to 05:00	61.8	64.4	62.3	60.3	61.4	61.1
8	05:00 to 06:00	58.4	61.8	63.4	57.4	60.3	59.4
Day Time		<70 dB (A)					

Test Method	IS: 9989 : 1981

Rajnish D. Gohil
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(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					
		03-04-2025	01-05-2025	02-06-2025	03-07-2025	04-08-2025	01-09-2025
1	06:00 to 07:00	61.8	62.6	60.2	60.5	61.4	58.4
2	07:00 to 08:00	64.3	65.6	64.7	62.8	63.7	61.3
3	08:00 to 09:00	63.2	68.6	66.9	65.7	64.5	62.8
4	09:00 to 10:00	65.1	65.5	67.3	65.5	65.5	64.5
5	10:00 to 11:00	64.3	68.3	68.5	67.2	66.2	66.7
6	11:00 to 12:00	65.4	68.9	67.4	68.8	67.9	66.4
7	12:00 to 13:00	66.5	65.4	66.3	66.3	65.8	65.3
8	13:00 to 14:00	65.8	66.3	65.4	62.3	64.5	65.8
9	14:00 to 15:00	63.2	68.5	67.8	64.7	65.3	66.2
10	15:00 to 16:00	65.8	64.5	65.3	65.3	66.2	65.4
11	16:00 to 17:00	66.5	68.3	67.5	67.5	67.1	66.2
12	17:00 to 18:00	62.3	65.6	64.1	64.5	65.7	67.6
13	18:00 to 19:00	64.7	67.2	65.7	66.1	65.5	66.1
14	19:00 to 20:00	64.8	63.5	64.2	64.2	64.2	65.3
15	20:00 to 21:00	63.1	60.5	62.7	62.7	63.6	61.4
16	21:00 to 22:00	58.4	62.8	60.4	60.3	59.8	60.1
Day Time		<75 dB (A)					

Continue…

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Email : response@uerl.in Website : www.uerl.in

Location Name		PUB/Adani House					
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time					
		03-04-2025	01-05-2025	02-06-2025	03-07-2025	04-08-2025	01-09-2025
1	22:00 to 23:00	59.3	61.6	61.8	59.7	57.3	58.3
2	23:00 to 24:00	61.3	60.5	61.2	61.3	60.1	59.7
3	24:00 to 01:00	62.4	59.5	60.4	62.3	61.5	62.3
4	01:00 to 02:00	64.2	60.5	59.8	61.9	62.3	61.7
5	02:00 to 03:00	63.2	58.1	59.5	59.7	60.8	61.3
6	03:00 to 04:00	61.3	60.5	60.3	57.6	59.6	57.6
7	04:00 to 05:00	58.5	62.3	62.4	56.3	56.4	55.4
8	05:00 to 06:00	58.2	61.5	62.8	57.5	56.7	56.8
Day Time		<70 dB (A)					

Test Method	IS: 9989 : 1981

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Results of Noise Level Monitoring

Location Name		CT-4 RMU-2				
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Day Time				
		23-04-2025	20-05-2025	21-06-2025	15-07-2025	20-08-2025
1	06:00 to 07:00	63.7	62.4	64.3	62.6	60.7
2	07:00 to 08:00	64.5	63.9	66.8	64.5	63.4
3	08:00 to 09:00	65.7	65.7	65.4	65.2	63.1
4	09:00 to 10:00	66.2	66.2	68.2	67.7	64.6
5	10:00 to 11:00	66.2	65.4	68.5	68.3	66.3
6	11:00 to 12:00	66.9	67.8	69.4	68.5	65.5
7	12:00 to 13:00	67.4	67.4	68.6	67.8	65.4
8	13:00 to 14:00	66.2	66.2	65.8	64.5	65.7
9	14:00 to 15:00	65.3	64.3	67.2	66.9	64.3
10	15:00 to 16:00	65.7	65.7	66.4	64.3	66.8
11	16:00 to 17:00	67.1	67.1	67.9	65.7	65.3
12	17:00 to 18:00	65.4	63.2	65.4	66.4	66.1
13	18:00 to 19:00	65.2	65.2	64.1	65.6	66.8
14	19:00 to 20:00	63.4	63.4	65.8	66.8	66.3
15	20:00 to 21:00	63.8	62.8	65.4	64.3	64.3
16	21:00 to 22:00	61.3	62.2	62.3	63.7	61.5
Day Time		<75 dB (A)				

Continue…

Location Name		CT-4 RMU-2				
Sr. No.	Sampling Date and Time	Noise Level Leq. dB(A) - Night Time				
		23-04-2025	20-05-2025	21-06-2025	15-07-2025	20-08-2025
1	22:00 to 23:00	61.3	60.8	61.7	62.8	61.3
2	23:00 to 24:00	63.2	62.4	63.3	60.5	61.8
3	24:00 to 01:00	63.5	63.5	62.7	64.3	62.3
4	01:00 to 02:00	64.3	63.8	60.4	61.6	62.5
5	02:00 to 03:00	64.6	64.2	59.9	62.4	63.7
6	03:00 to 04:00	62.4	62.4	60.4	64.1	62.5
7	04:00 to 05:00	61.2	61.2	60.7	62.6	61.3
8	05:00 to 06:00	60.8	60.3	61.4	60.1	58.6
Day Time		<70 dB (A)				

Test Method	IS: 9989 : 1981

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GUJARAT VAPI.

Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring

Sr. No.	Parameter	Unit	Hot Water System-1 (Liquid Terminal)	Hot Water System-2 (Liquid Terminal)	Thermic Fluid Heater (Bitumin-1)	Thermic Fluid Heater (Bitumin-2)	GPCB LIMIT	Method of Test
Apr-25								
1	Particulate Matter	mg/Nm^3	22.81	20.51	21.47	20.27	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO_2	ppm	7.64	6.64	8.41	7.97	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO_X	ppm	21.27	21.36	20.19	20.72	50	IS 11255 (Part - 7)
May-25								
1	Particulate Matter	mg/Nm^3	21.78	20.16	20.83	20.95	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO2	ppm	7.42	6.51	8.17	7.81	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NOX	ppm	20.98	22.16	19.79	21.11	50	IS 11255 (Part - 7)
Jun-25								
1	Particulate Matter	mg/Nm^3	20.92	19.67	18.36	19.81	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO_2	ppm	7.11	6.39	8.28	7.60	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO_X	ppm	19.85	21.15	19.31	20.54	50	IS 11255 (Part - 7)
Jul-25								
1	Particulate Matter	mg/Nm^3	20.36	20.05	19.12	19.13	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO_2	ppm	6.89	6.18	8.41	7.35	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO_X	ppm	20.12	20.84	20.03	19.85	50	IS 11255 (Part - 7)

Continue…

Sr. No.	Parameter	Unit	Hot Water System-1 (Liquid Terminal)	Hot Water System-2 (Liquid Terminal)	Thermic Fluid Heater (Bitumin-1)	Thermic Fluid Heater (Bitumin-2)	GPCB LIMIT	Method of Test
Aug-25								
1	Particulate Matter	mg/Nm^3	19.92	19.86	18.81	19.22	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO_2	ppm	6.65	6.04	7.98	7.47	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO_X	ppm	19.71	20.41	19.73	20.14	50	IS 11255 (Part - 7)
Sep-25								
1	Particulate Matter	mg/Nm^3	17.73	19.41	16.95	18.69	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO_2	ppm	6.32	6.36	6.82	7.24	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO_X	ppm	19.25	20.85	17.46	19.51	50	IS 11255 (Part - 7)

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GUJARAT VAPI.

Jaivik S. Tandel
(Manager - Operations)

Results of Stack Monitoring

Sr. No.	Parameter	Unit	D.G. Set-6, 7 & 8 (1250 KVA - CT2) Common Stack	D.G. Set-9 (1500 KVA - CT3)	D.G. Set-10 (1500 KVA - CT3)	D.G. Set-11 (1500 KVA - CT3)	GPCB LIMIT	Method of Test
			Sep-25					
			24-09-2025	26-09-2025	26-09-2025	26-09-2025		
1	Particulate Matter	mg/Nm^3	25.61	18.41	19.75	17.72	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO_2	ppm	9.17	14.26	14.19	14.11	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO_X	ppm	20.55	15.38	28.53	21.35	50	IS 11255 (Part - 7)
4	Carbon Monoxide	mg/Nm3	3.92	3.5	3.2	2.8	--	UERL/AIR/SOP/18
5	Non Methyl Hydro Carbon	ppm	Not Detected	Not Detected	Not Detected	Not Detected	--	UERL/AIR/SOP/27

Sr. No.	Parameter	Unit	D.G. Set-12 (1500 KVA) - CT4	D.G. Set-13 (1500 KVA) - CT4	D.G. Set-14 (1500 KVA) - CT4	D.G. Set-1 (500 KVA) - DG House - MPT	GPCB LIMIT	Method of Test
			Sep-25					
			22-09-2025	22-09-2025	22-09-2025	04-09-2025		
1	Particulate Matter	mg/Nm^3	21.64	27.59	20.17	23.41	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO_2	ppm	8.81	10.18	9.33	9.2	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO_X	ppm	20.15	23.46	19.03	29.57	50	IS 11255 (Part - 7)
4	Carbon Monoxide	mg/Nm3	3.4	4.52	4	3.18	--	UERL/AIR/SOP/18
5	Non Methyl Hydro Carbon	ppm	Not Detected	Not Detected	Not Detected	Not Detected	--	UERL/AIR/SOP/27

Continue…

Sr. No.	Parameter	Unit	D.G. Set-2 (500 KVA) - DG House - MPT	D.G. Set-3 (500 KVA) - DG House - MPT	D.G. Set-4 (500 KVA) - DG House - MPT	D.G. Set-5 (500 KVA) - DG House - MPT	GPCB LIMIT	Method of Test
			Sep-25					
			04-09-2025	09-09-2025	09-09-2025	09-09-2025		
1	Particulate Matter	mg/Nm^3	26.79	20.91	27.29	20.36	150	IS 11255 (Part - 1)
2	Sulphur Dioxide as SO_2	ppm	7.83	9.66	8.58	8.84	100	IS 11255 (Part - 2)
3	Oxides of Nitrogen as NO_X	ppm	31.27	26.83	30.41	27.53	50	IS 11255 (Part - 7)
4	Carbon Monoxide	mg/Nm3	3.44	4.46	4.24	3.27	--	UERL/AIR/SOP/18
5	Non Methyl Hydro Carbon	ppm	Not Detected	Not Detected	Not Detected	Not Detected	--	UERL/AIR/SOP/27

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MoEF&CC Recog. Environmental Laboratory under The EPA, 1986 (02.04.2025 to 29.03.2028) | NABL (ISO/IEC 17025: 2017) Accredited Testing Laboratory (TC-15345) (22.01.2025 to 22.09.2026) | QCI-NABET Accredited EIA & GW Consultant Organisation | GPCB Recognized Environmental Auditor (Sch-II) | ISO 9001: 2015 Certified Company | ISO 45001: 2018 Certified OHS Management System

RESULTS OF BORE HOLE WATER

SR.NO.	TEST PARAMETERS	UNIT	Pump House-1	Pump House-2	Pump House-3	Near Unloading bays	Near ETP	TEST METHOD
			26-09-2025	26-09-2025	26-09-2025	26-09-2025	26-09-2025	
1.	pH @ 25 ° C	--	8.11	7.44	7.86	7.52	8.05	IS 3025(Part 11):2022
2.	Salinity	ppt	3.1	1.6	1.4	1.8	2.1	APHA 24th Ed.,2023,2520 B
3.	Oil & Grease	mg/L	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	BDL(MDL:2.0)	IS 3025(Part 39):2021
4.	Hydrocarbon	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	GC/GCMS
5.	Lead as Pb	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	IS 3025 (PART 47) 1994
6.	Arsenic as As	mg/L	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	BDL(MDL:0.01)	APHA 24th Ed.,2023,3114-C
7.	Nickel as Ni	mg/L	BDL(MDL:0.02)	BDL(MDL:0.02)	0.068	BDL(MDL:0.02)	0.084	IS 3025 (PART 54) 2003
8.	Total Chromium as Cr	mg/L	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	BDL(MDL:0.05)	IS 3025 (PART 52) 2003
9.	Cadmium as Cd	mg/L	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	BDL(MDL:0.003)	IS 3025(PART 41) 1992
10.	Mercury as Hg	mg/L	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	BDL(MDL:0.001)	APHA 24th Ed.,2023, 3112-B
11.	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)	IS 3025(PART 49) 1994
12.	Copper as Cu	mg/L	0.059	0.066	0.074	0.062	0.094	IS 3025 (PART 42) 1992
13.	Iron as Fe	mg/L	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	BDL(MDL:0.1)	IS 3025(PART 53) 2003
14.	Insecticides/Pesticides	µg/L	Absent	Absent	Absent	Absent	Absent	USEPA 8081 B
15.	Depth of Water Level from Ground Level	meter	2	2	2	2.1	2	--

GUJARAT VAPI.

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/m3	5 µg/m3
2	Particulate Matter (PM2.5)	µg/m3	5 µg/m3
3	Sulphur Dioxide (SO2)	µg/m3	4 µg/m3
4	Nitrogen Dioxide (NO2)	µg/m3	5 µg/m3
5	Carbon Monoxide (CO)	mg/m3	0.01 mg/m3
6	Ammonia (NH3)	µg/m3	5 µg/m3
7	Ozone (O3)	µg/m3	5 µg/m3
8	Lead (Pb)	µg/m3	0.5 µg/m3
9	Nickle (Ni)	ng/m3	1 ng/m3
10	Arsenic (As)	ng/m3	1 ng/m3
11	Benzene	µg/m3	1µg/m3
12	Benzo(o)Pyrene	ng/m3	0.1 ng/m3
14	Hydro Carbon	µg/m3	1 µg/m3

Stack Emission Monitoring

Sr. No.	Test Parameter	Unit	MDL
1	Suspended particulate matter	mg/Nm3	2 mg/Nm3
2	Sulphur Dioxide SOX	mg/Nm3	4 mg/Nm3
3	Oxides of Nitrogen NOX	mg/Nm3	5 mg/Nm3

ETP Water			
Sr. No.	**Test Parameter**	**Unit**	**MDL**
1	Colour	Pt. Co. Scale	5
2	pH @ 27 ° C	--	2
3	Temperature	0C	5
4	Total Suspended Solids	mg/L	4
5	Total Dissolved Solids	mg/L	4
6	COD	mg/L	2
7	BOD (3 days at 27 0C)	mg/L	1
8	Chloride (as Cl) -	mg/L	1
9	Oil & Grease	mg/L	4
10	Sulphate (as SO4)	mg/L	1
11	Ammonical Nitrogen	mg/L	5
12	Phenolic Compound	mg/L	0.1
13	Copper as Cu	mg/L	0.05
14	Lead as Pb	mg/L	0.01
15	Sulphide as S	mg/L	0.1
16	Cadmium as Cd	mg/L	0.003
17	Fluoride as F	mg/L	0.2
18	Residual Chlorine	mg/L	0.1
19	Percent Sodium	%	--
20	Sodium Absorption ratio	--	--

MARINE WATER			
Sr. No.	**Test Parameter**	**Unit**	**MDL**
1	pH	--	5
2	Temperature	oC	5
3	Total Suspended Solids	mg/L	4
4	BOD (3 Days @ 27oC)	mg/L	1
5	Dissolved Oxygen	mg/L	0.2
6	Salinity	ppt	0.01
7	Oil & Grease	mg/L	2
8	Nitrate as NO_3	µmol/L	0.4
9	Nitrite as NO_2	µmol/L	0.04
10	Ammonical Nitrogen as NH_3	µmol/L	0.8
11	Phosphates as PO_4	µmol/L	0.4
12	Total Nitrogen	µmol/L	2.2
13	Petroleum Hydrocarbon	µg/L	0.1
14	Total Dissolved Solids	mg/L	4
15	COD	mg/L	2

Sea SEDIMENT			
Sr. No.	**Test Parameter**	**Unit**	**MDL**
1	Organic Matter	%	0.5
2	Phosphorus as P	µg/g	1
3	Texture	--	--
4	Petroleum Hydrocarbon	µg/g	0.1
5	Aluminum as Al	%	0.1
6	Total Chromium as Cr+3	µg/g	2
7	Manganese as Mn	µg/g	1
8	Iron as Fe	%	0.1
9	Nickel as Ni	µg/g	1
10	Copper as Cu	µg/g	1
11	Zinc as Zn	µg/g	1
12	Lead as Pb	µg/g	1
13	Mercury as Hg	µg/g	0.05

BORE HOLE WATER			
Sr. No.	**Test Parameter**	**Unit**	**MDL**
1	pH @ 25 ° C	--	5
2	Salinity	ppt	--
3	Oil & Grease	mg/L	2
4	Hydrocarbon	mg/L	0.1
5	Lead as Pb	mg/L	0.01
6	Arsenic as As	mg/L	0.01
7	Nickel as Ni	mg/L	0.02
8	Total Chromium as Cr	mg/L	0.05
9	Cadmium as Cd	mg/L	0.003
10	Mercury as Hg	mg/L	0.001
11	Zinc as Zn	mg/L	0.05
12	Copper as Cu	mg/L	0.05
13	Iron as Fe	mg/L	0.1
14	Insecticides/Pesticides	µg/L	0.1
15	Depth of Water Level from Ground Level	meter	--

Annexure – 2

Details of Greenbelt Development at APSEZ, Mundra

	Total Green Zone Detail till Up to September 2025				
LOCATION	**Area (In Ha.)**	**Trees (Nos.)**	**Palm (Nos.)**	**Shrubs (SQM)**	**Lawn (SQM)**
SV COLONY	72.29	34920.00	7962.00	69696.00	100646.00
PORT & NON SEZ	81.61	149359.00	19220.00	75061.78	62966.38
SEZ	115.70	226120.00	20489.00	220583.60	28162.03
MITAP	2.47	8113.00	33.00	3340.00	4036.00
WEST PORT	104.29	248074.00	66816.00	24112.00	16369.00
AGRI PARK	8.94	17244.00	1332.00	5400.00	2121.44
SOUTH PORT	14.45	27530.00	3470.00	3882.00	3327.26
Samundra Township	58.26	63722.00	11834.00	23908.89	47520.07
Productive Farming (Vadala Farm)	0.00	0.00	0.00	0.00	0.00
TOTAL (APSEZL)	**457.99**	**775082**	**131156**	**425984.27**	**265148.18**
		906238.00			

Details of Mangrove Afforestation done by APSEZ

Sl. no.	Location	District	Area (Ha)	Duration	Species	Implementation agency
1	Mundra Port	Kutch	24	-	Avicennia marina	Dr. Maity, Mangrove consultant of India
2	Mundra Port	Kutch	25	-	Avicennia marina	Dr. Maity, Mangrove consultant of India
3	Luni/Hamirmora (Mundra,)	Kutch	160.8	2007 - 2015	Avicennia marina, Rhizophora mucronata, Ceriops tagal	GUIDE, Bhuj
4	Kukadsar (Mundra)	Kutch	66.5	2012 - 2014	Avicennia marina	GUIDE, Bhuj
5	Forest Area (Mundra)	Kutch	298	2011 - 2013	Avicennia marina	Forest Dept, Bhuj
6	Jangi Village (Bhachau)	Kutch	50	2012 - 2014	Avicennia marina	GUIDE, Bhuj
7	Jakhau Village (Abdasa)	Kutch	310.6	2007-08 & 2011-13	Avicennia marina, Rhizophora mucronata, Ceriops tagal	GUIDE, Bhuj
8	Sat Saida Bet	Kutch	255	2014-15 & 2016-17	Avicennia marina & Biodiversity	GUIDE, Bhuj
9	Dandi Village	Navsari	800	2006 - 2011	Avicennia marina, Rhizophora mucronata, Ceriops tagal	GEC, Gandhinagar
10	Talaja Village	Bhavnagar	50	2011-12	Avicennia marina	Forest Dept, Talaja
11	Narmada Village	Bhavnagar	250	2014 - 2015	Avicennia marina	GEC, Gandhinagar
12	Malpur Village	Bharuch	200	2012-14	Avicennia marina	SAVE, Ahmedabad
13	Kantiyajal Village	Bharuch	50	2014-15	Avicennia marina	SAVE, Ahmedabad
14	Devla Village	Bharuch	150	210-16	Avicennia marina	SAVE, Ahmedabad
15	Village Tala Talav (Khambhat)	Anand	100	2015 - 2016	Avicennia marina	SAVE, Ahmedabad
16	Village Tala Talav (Khambhat)	Anand	38	2015 - 2016	Avicennia marina	GEC, Gandhinagar
17	Aliya Bet, Village Katpor (Hansot)	Bharuch	62	2017-18	Avicennia marina & Rhizophora spp.	GEC, Gandhinagar
18	Kukadsar-(Bhadeswar-Mundra)	Kutch	250	2021-22	Avicennia marina	Shreeji Enterprise, Amreli
19	Kukadsar-(Bhadeswar-Mundra)	Kutch	750	2022-23	Avicennia marina	Shreeji Enterprise, Amreli
20	Kukadsar-(Bhadeswar-Mundra)	Kutch	250	2023-24	Avicennia marina	Shreeji Enterprise, Amreli
Total			**4140**			

Annexure – 3

adani
Foundation

Adani Foundation

CSR Gujarat

Kutch – Dahej - Hazira

Six Monthly Report 2025-26




Adani Foundation
Adani House, Port Road, Mundra – Kutch 370 421
[info@adanifoundation.com] [www.adanifoundation.com]

INDEX

CSR Kutch

Environment Sustainability

Environment Sustainability

Adani Foundation Environmental Initiatives.

The Adani Foundation is committed to environmental conservation and biodiversity preservation, essential for maintaining ecological balance. Significant progress has been made through the development of 162 hectares of mangrove forest, which contributes to enhancing coastal biodiversity and ecosystem resilience.

Action to Environment Sustainability

FOCUS AREAS

- Water Sustainability
- Terrestrial Biodiversity
- Coastal Biodiversity
- Soil Conservation

Till date Water conservation Work

145 Pond Deepening

209 Bore & Wells

355 Rainwater Harvesting

30 Check Dams

25 Percolation Wells

Water Conservation Project

In recent years, the villages near our operational area have experienced significant enhancements in both the availability and quality of water. These improvements stem from our focused efforts in managing and conserving groundwater and surface water resources.

Key interventions—

- pond deepening,
- strengthening of check dams,
- installation of rainwater harvesting systems, borewell drilling, and clearing of river inlets—have together increased water storage capacity.

Current year

Pond Deepening - 05 Village pond

Check dam Re-strenghtining-01

Farmer -300 famer
Land irrigated- 1800 Acre

8.0% Increase in Revenue

9.00 % TDS Reduction

Rs 1200 Reduce in health expenses Monthly

Till the date

Pond Deepening- 145 Village pond
Check dam Re-Strenghtning – 30

Farmers Benifitted -1760

Storage capacity Increase – 2171435Cum.

Roof Top Rainwater Harvesting

Project Highlights

- 355 RRWHS units built across 355 homes, positively impacting more than 1,760 people.
- TDS levels below 100 meeting WHO standards for safe drinking water.
- First-time rainwater harvesting enabled for the community, ensuring quality drinking water and reducing financial burdens

Vision:

- To transform in to water-positive village, ensuring the community has access to quality drinking water

Impact:

- The initiative ensured quality drinking water, alleviated financial burdens, and improved the overall health of the community. It also promoted long-term water security and sustainability for Modhva.

(Sustainable Solution for Drinking water):

1760+
Residents benefited

97.73% Less TDS than local municipality water
Gundiyali – 4410 TDS

Rs. 1125
monthly Saved on drinking water

Rs. 3000
yearly saved on health expense

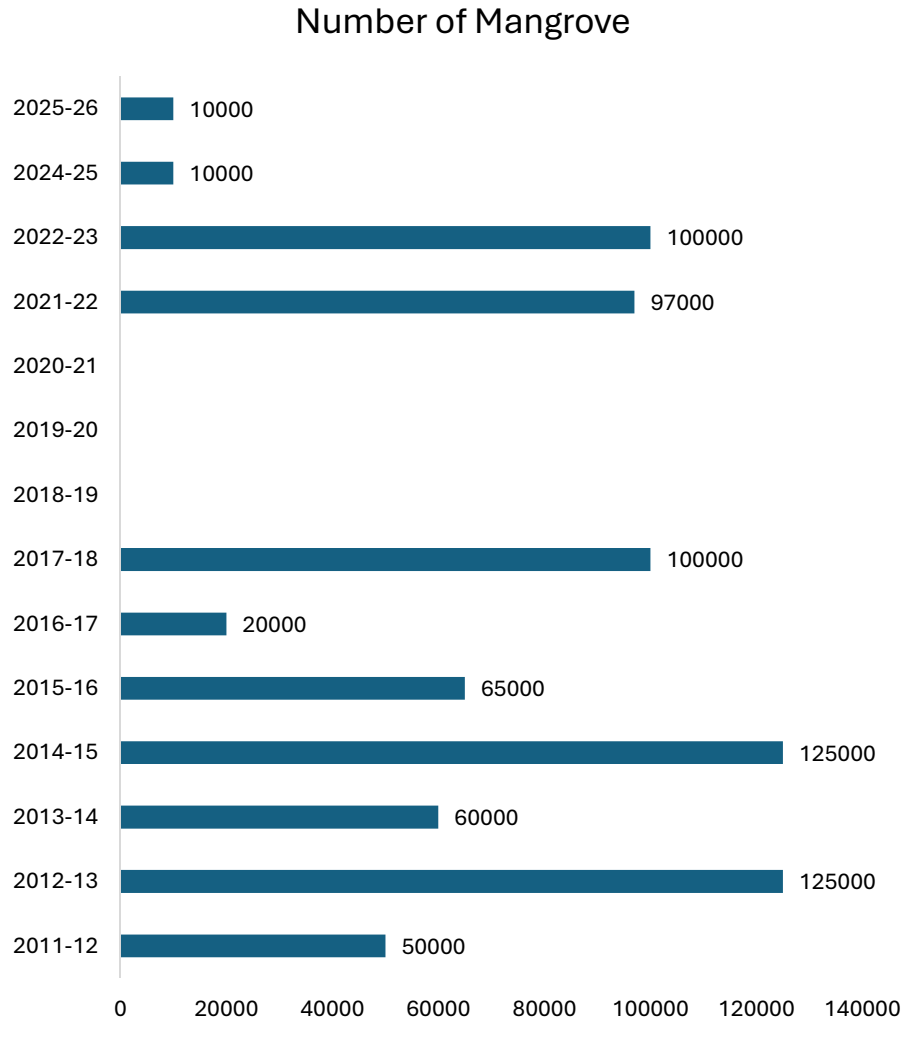
Coastal Biodiversity

Mangrove Restoration Success – Luni Coast

Initiated in 2010, the mangrove restoration project led to the development of 162 hectares of dense mangrove forest along the Luni coast.,

Additional 20 hectares of multi-species mangroves were established, with all plantations meticulously maintained and regularly monitored.

These flourishing ecosystems now support a rich diversity of marine life and migratory birds, making a significant positive impact on the local environment.



Terrestrial Biodiversity

Vruksh Se Vikas – Massive Drive

Beginning in 2014, we have initiated a transformative effort by conducting widespread tree planting campaigns in partnership with local communities and forestry authorities.

Adani Van:

Adani Foundation has initiated the **'Adani Van'** project, aimed at planting extensive areas with medicinal, fruit-bearing, and bird-friendly trees to create optimal habitats for nesting and resting. This initiative employs the Miyawaki plantation method alongside a drip irrigation system. The development of the Van involves active community participation, with Adani Foundation providing maintenance for three years.

Within six months, we have established six Adani Vans, planting 33330 trees across 24 acres in the villages of N Khakhar, Borana, and Dhrub.

Till Date **17** Adani Van 1.22 Trees @58 acres

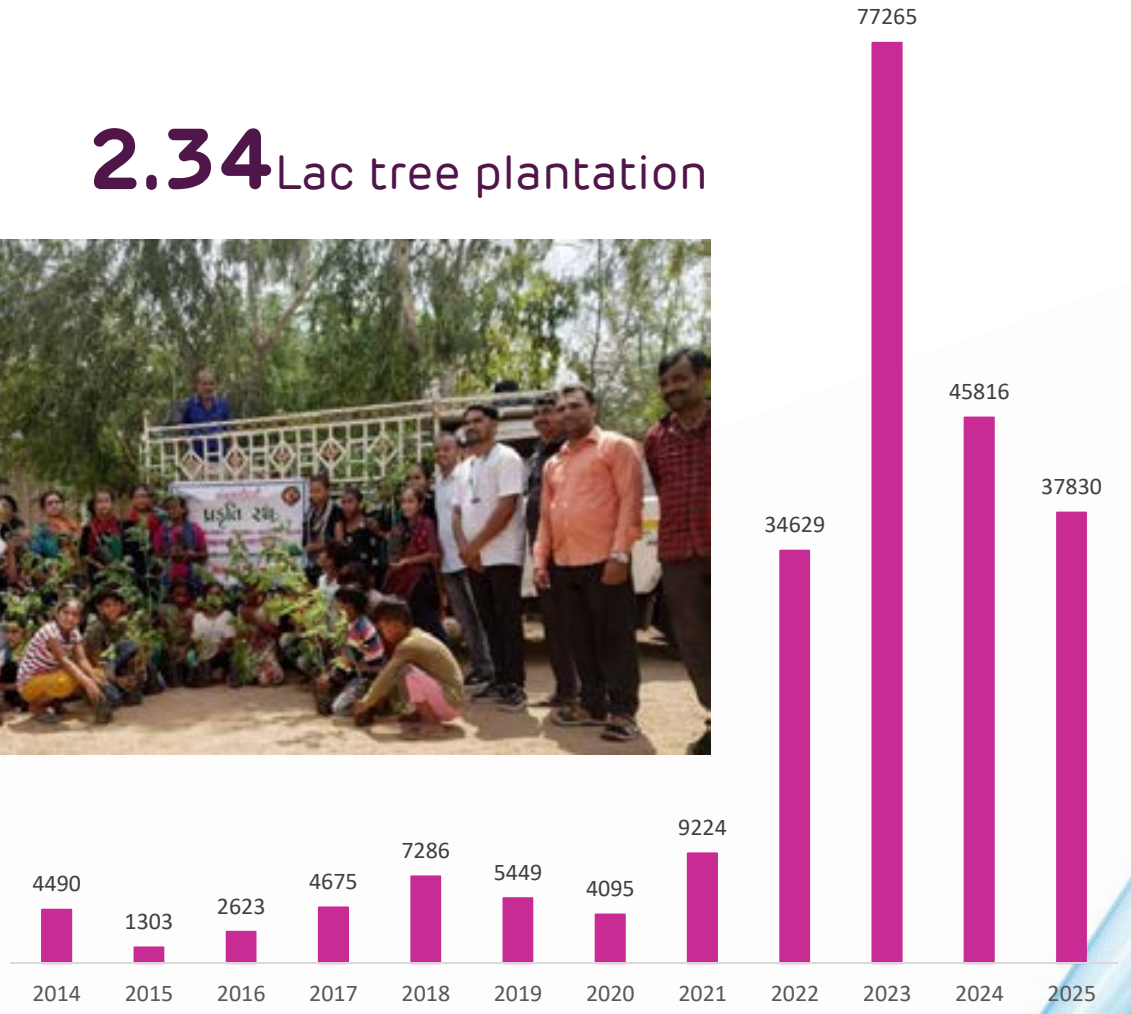
Vruksh Se Vikas – Massive Drive

Prakrutik Rath: Fostering Community Engagement Through Environmental Initiatives

Prakrutik Rath is a distinctive program that unites communities to plant trees in schools, temples, and public areas. Having distributed the Rath moves from village to village, encouraging active involvement. This method not only boosts local greenery but also deepens the community's bond with nature and promotes environmental stewardship.

Under our Vruksh Se Vikas initiative, we have planted 2.34 Laca trees so far, enhancing the ecosystem and supporting carbon sequestration. This program provides enduring advantages for both the environment and the surrounding communities.

2.34 Lac tree plantation



River Cleaning Initiatives – Bhuki & Kevdi Rivers

Objective: To enhance water resources, restore ecological balance, and foster active community participation for healthy rivers and a better future.

Phase 1: Assessment & Planning

•Baseline surveys conducted

•Engagement with stakeholders

Phase 2: Cleaning Operation

•Manual and mechanical removal of debris and polythene bags

•Segregation and disposal of waste

Phase 3: Awareness & Capacity Building

•Community workshops

•Distribution of reusable cloth bags

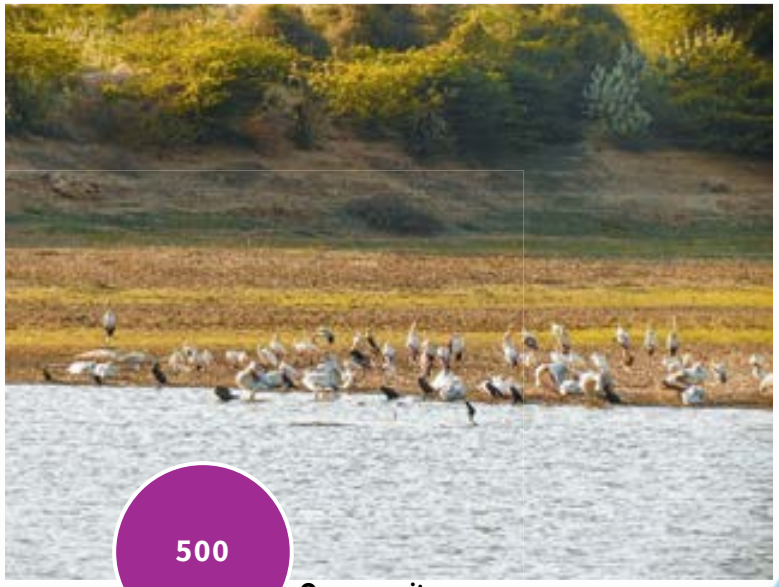
•Installation of waste collection points

Phase 4: Monitoring & Sustainability

•Regular water quality checks planned

•Setting up "River Watch Committees"

Pond deepening and Renovation – Jam Bhuraji Pond



Introduction

Jam Bhuraji Pond, located in Khavda (historically Kunaria), Kutch, Gujarat, is a vital water body supporting the local community, livestock, wildlife, and traditional cultural practices. In 2024/25, the pond underwent a significant deepening and renovation, aiming to address water scarcity and enhance ecological resilienc

Background

- **Village History:** Kunaria is a 350-year-old village, originally settled by Rajput and Luhana communities. The land was granted by Jam Saheb, and the village is known for its unique "Pagdi" ceremony, which appoints a new Jam for 40 villages.
- **Pond Construction:** The pond was initially constructed in 2012 under drought relief efforts by Bani Vikas Trust and Sujlam Suflam Yojana. It was renovated and deepened in 2024/25 by Adani Foundation

Project Rationale

- **Water Scarcity:** The region faces frequent droughts and water shortages, impacting agriculture, livestock, and daily life.
- **Ecological Need:** The pond is a critical habitat for birds and wildlife, and its health directly affects local biodiversity.
- **Community Demand:** The pond serves as the main water source for 350 villagers, livestock from four villages, and nearby Maldhari communities

7000 cum **Increased Storage:** Deepening has significantly increased the pond's capacity,

3500 **Reliable water supply for irrigation, livestock, and household use.**

10 Types **Biodiversity Boost: Migratory Birds**

500 **Community Cohesion Resilience: :**

Project Utthan

FLAGSHIP EDUCATION PROGRAM

Strengthening Government Primary Schools

•Adopting and upgrading government primary schools & High school to model schools.

Appointing an Utthan Sahayak

•Assigning a dedicated facilitator in each school to act as a catalyst for change.

Providing Resources and Facilities

•Ensuring schools are equipped with necessary resources and infrastructure

Introducing Vedic Math's & Abacus

•Increasing students' logical and mathematical skills through Vedic Math's and Abacus training.

Capacity Building for Government School Teachers

•Conducting training programs to improve teachers' skills and teaching methods.

Special Focus on 'Priya' Vidyarthi's (Progressive Learners)

•Providing additional support and tutoring for progressive learners.

Training Students for Competitive Exams

•Preparing students for various competitive examinations.

Project Utthan: Empowering Education at the Grassroots since 2018

Initiated by the Adani Foundation in partnership with the Government of Gujarat, Project Utthan is a pioneering effort to uplift learning outcomes in government schools. Through targeted academic support, enriched environments, and community involvement, the project aims to build strong foundational skills and reduce dropout rates among students.

• Primary schools	• High schools	• Students	• Progressive learner	• IT on Wheels	• Adani competitive coaching center
69	12	11532	1151	3235	2726

Key Strategic Initiatives of Utthan

Main streaming Progressive learners

- 2776 students of classes 4 & 5 were assessed.
- 1151 students emerged as progressive learners
- Personalized learning through different activities and TLM
- 220 students mainstreamed.

Library Activity

- Library books issues & Activities planned every Saturday.
- 45000+ Books issued.
- 300+ Oasis workshop arranged to increase reading habits of students.

IT on wheels

- 1187 primary & 1448 high school students are learning basic computer skills.
- Students gain essential computer skills, enhancing their digital literacy and preparing them for future academic and career opportunities.

Mothers Meet

- Mothers' meetings conducted every second Saturday in Utthan schools.
- Over 95,00 mothers have joined.
- Guidance on exams, scholarships, and healthy eating.
- Home visits and discussions on academic performance.

Competitive Exam

- 1050 passed and 21 students made it to the merit list.
- 2726 students are preparing for exams like JNV, NMMS, PSE, and CET.
- Meetings with 560 high school parents to encourage their support.

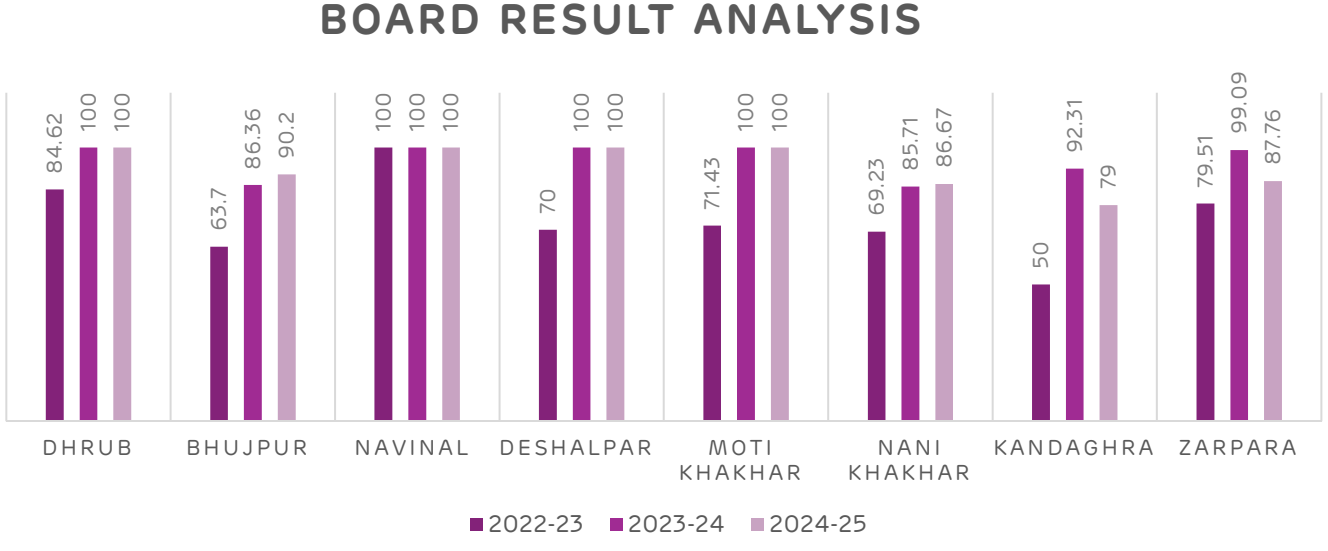
Impact in Action

Gunotsav & Board Results

4 High Schools Achieved
100% Pass Rate in Results

Gunotsav Primary School Performance

- **Gunotsav Results:** Gunotsav grades are assessment by GoG as part of its statewide initiative to assess and enhance the quality of education in government schools.
- All Utthan-supported schools showed a marked rise in Gunotsav grades, with many moving up to A & B categories—reflecting the positive impact of targeted academic and co-curricular interventions.



Abacus & Vedic Maths

Utthan initiative has introduced Abacus and Vedic Mathematics in 54 primary and 08 high schools. Abacus is a tool used for performing arithmetic calculations, while Vedic Mathematics is an ancient system of Indian mathematics that simplifies complex calculations.

1800 Abacus students

1302 Vedic math's Students

Celebrating Learning, Culture & Growth Through Day celebration

- Monthly Celebrations : Utthan Adani Foundation organizes 1–2 themed days each month across schools to enrich the learning experience.
- Engaging Activities : Events include cultural programs, competitions, and recreational games that spark creativity and participation.
- Joyful Learning Environment : These celebrations foster enthusiasm, improve student engagement, and make learning more enjoyable.
- Positive Impact : Regular celebrations have led to increased attendance, improved confidence, and stronger school-community connections.

Day celebration - **10,000+** Students
Participated from various school

360° Career Guidance for Utthan High School Students

- Adani Foundation has launched a comprehensive career guidance program for all Utthan High School students, powered by personalized psychometric assessment.
- The initiative begins with a deep evaluation of each student's interests, strengths, and aspirations, generating a tailored career report.
- Based on these insights, students receive focused one-on-one counseling to explore suitable career paths and make informed decisions.
- This 360° approach bridges the gap between education and employability, equipping youth with clarity, confidence, and direction.
- It fosters self-awareness, future readiness, and aligns with the Foundation's mission to nurture holistic youth development.

Career guidance –**1400+** students
powered by Psychometric assessment

Adani Vidya Mandir

Bhadreshwar

Adani Vidya Mandir, Bhadreshwar (AVMB) is a model institution dedicated to transforming lives through free, inclusive, and holistic education. Serving students from Economically Weaker Sections, especially the fisherfolk community, AVMB provides comprehensive support—uniforms, books, stationery, nutritious meals, and quality learning—at no cost.

The school fosters a nurturing environment where every child is empowered to dream big and achieve their potential. Through structured pedagogy, co-curricular engagement, and strong community ties, AVMB ensures that learning goes beyond textbooks. Its emphasis on values-based education, cultural identity, and student leadership prepares learners for the challenges of the 21st century.

Aligned with NEP 2020 and UN SDG 4 (Quality Education), AVMB champions equity, creativity, and lifelong learning—building a foundation for a brighter, more inclusive future.

AVMB

Academic Excellence
- 100% pass rate in Class 10 SSC Board Exam (2024–25); 2 students secured A1 grades
- Average score rose to 75.41%; subject-specific teacher training and inter-school collaboration
- Bharat Ko Jano exam participation and structured assessments

Co-Curricular & Cultural Growth
- 587 students engaged in CCA activities; winners at Kala Mahakumbh and National Singing Competition
- Celebrations: Ashadhi Bij, Guru Purnima, Independence Day, Promise Wall tribute
- Storytelling, Rakhi making, Doodle the Google competitions

Infrastructure & Institutional Support
- Free provision of academic essentials and meals
- Balvatika Praveshotsav welcomed 80 new learners and 120+ parents
- Teacher training in Adobe Express.

Community Engagement & Leadership
- Interactive PTMs, student-led event planning, and cultural hosting. Empowered students with leadership roles

Wellness & Sports Achievements
- Yoga Day with 205 students; National Sports Day participation
- Kho-Kho and Athletics: multiple wins and district-level qualifications
- Dedicated coaching and mentorship for physical development

Celebrating Excellence and Holistic Development

100%

result in 10th board examinations

Project Udaan

Igniting Aspirations in Youth

- Adani Foundation's Project Udaan empowers youth through immersive educational tours to key Adani Group facilities, offering real-world exposure beyond the classroom.
- Students gain firsthand insights into industries like ports, power, and refineries, sparking curiosity and ambition for future careers.
- The initiative nurtures entrepreneurial thinking, leadership qualities, and a vision for innovation among school and college students.
- Faculty participation strengthens academic-industry linkages, enriching the learning ecosystem.
- Project Udaan has become a catalyst for inspiring young minds to dream big and pursue meaningful, future-ready paths.

229 institute visit

5 Corporate visit

16380 Participants

Community Health

Adani Foundation – Advancing Healthcare & Community Well-being

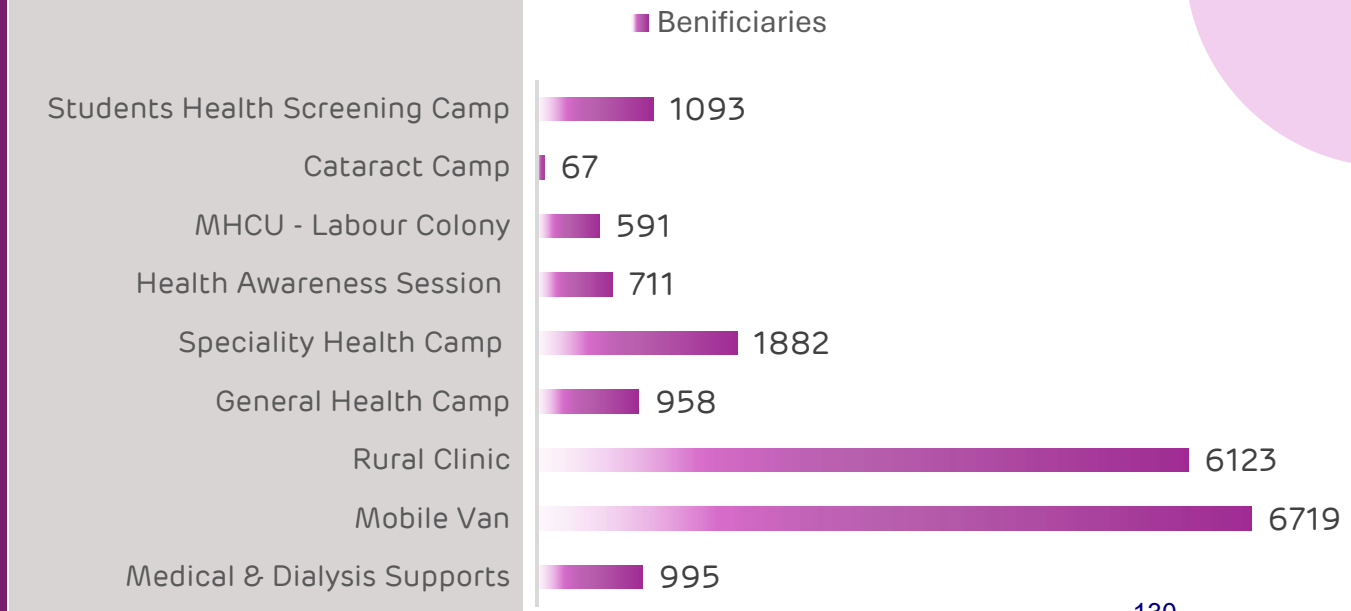
- Adani Foundation's healthcare mission is rooted in the belief that quality medical care should be accessible to all, especially underserved communities. Through initiatives like Mobile Health Care Units (MHCU), general and special health camps, medical support, and rural clinics, the Foundation delivers preventive and curative services directly to those in need.
- Focused on community health, awareness, and sustainability, it also runs programs on addiction recovery and supports labor colonies with regular medical outreach. Aligned with the vision of equitable healthcare, the Foundation's efforts contribute to SDG 3 (Good Health & Well-being).

Community Health

Adani Foundation shows a strong commitment to community health through diverse healthcare initiatives. It ensures accessible medical care for underserved and remote populations. These efforts promote early diagnosis, better health outcomes, and increased awareness.

The Foundation's proactive approach drives large-scale, meaningful impact in public health across rural and urban areas.

BENIFICIARIES



Health

Mobile Health Care Units, Rural Clinic Services & Medical Support

- Adani Foundation's Mobile Health Care Units and Rural Clinics have transformed healthcare access in remote regions, delivering consistent medical support directly to the doorstep of underserved communities.
- These services have significantly improved health outcomes, built trust in formal healthcare systems, and reinforced the Foundation's role as a catalyst for inclusive and impactful public health development.

- **9867 individuals** benefited from MHCU and Rural clinic services.
- **33%** average savings on healthcare-related costs.
- **42%** People are aware and become health Conscious

- Adani Foundation's medical support program has provided critical care to 1,071 underprivileged patients, addressing serious health issues like kidney and heart conditions at Adani Hospital Mundra.
- In life-threatening cases, patients are stabilized and referred to GKGH, Bhuj, with full coordination for advanced treatment—ensuring no one is left behind in their journey to recovery.

29-Villages
31-MHCU
Stoppage
7-Rural clinic

TB Awareness & Nutritional Support Program

- Adani Foundation organized a focused TB awareness initiative in Mundra Block, enhancing health literacy among affected individuals through expert-led sessions.
- Patients received vital education on symptoms, medication, hygiene, diet, and lifestyle from healthcare professionals including the District TB Health Officer.
- The program promoted early detection, treatment adherence, and holistic recovery practices such as regular exercise.
- Continuous care and monitoring ensured sustained impact, reinforcing the Foundation's commitment to inclusive and resilient community health.

Awareness and Screening Drive in Mundra Schools

- Adani Foundation conducted health and hygiene awareness sessions across primary schools in Mundra Block, fostering lifelong wellness habits among children and educators.
- Over 584 students and teachers participated in interactive sessions focused on hygiene practices and healthy living.
- Comprehensive health screenings were carried out for 1,093 students, enabling early detection of health issues and timely intervention.
- Core topics included handwashing, dental care, nutrition, personal cleanliness, and environmental health.
- The initiative significantly boosted health awareness and preventive care among school children, reinforcing the Foundation's commitment to nurturing healthier communities.

Beneficiaries – 1093 Health & Hygiene Awareness

Sustainable Livelihood Development

Women Empowerment

82

SHG

- Women were mobilized into SHGs through formal registration, laying the foundation for collective growth and financial inclusion.
- **(80 SHGs)**

12

Skill Building

- Tailored workshops and hands-on training empowered members with entrepreneurial, financial, and operational skills.
- **(12 Workshop – 1000 Women's)**

60

Exposure & Learning

- Exposure visits to successful enterprises inspired SHG members, boosting confidence and sparking innovative ideas.

52

Need-Based Support

- Adani Foundation provided timely support—equipment, funding, and guidance—based on each group's evolving needs and goals.

1450

Community Impact

- SHGs now uplift entire communities—enhancing household income, promoting leadership, and driving social change.

"CHETNA" - initiative with gender diversity

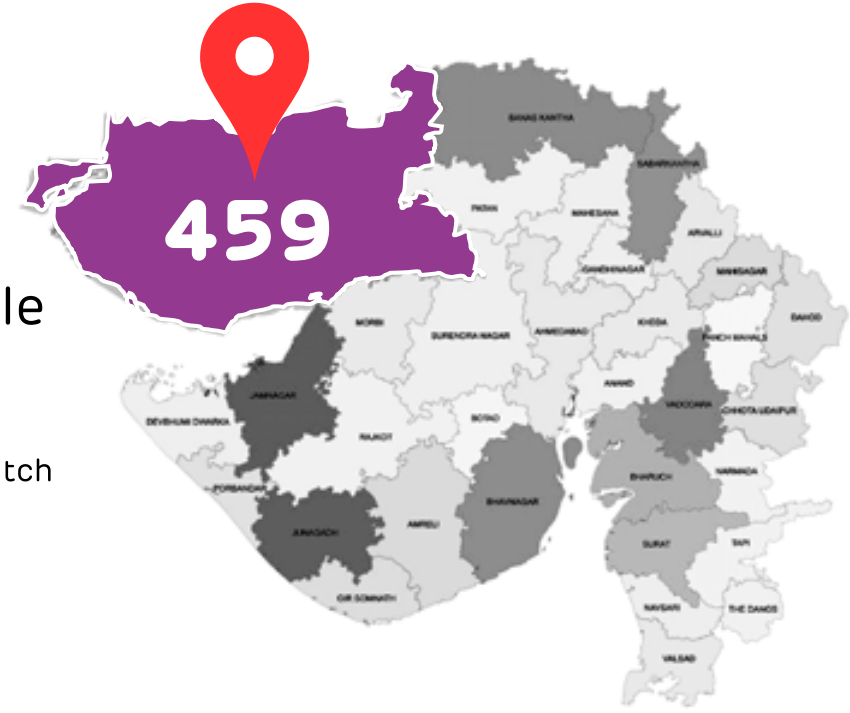
- Women Mobilization & Employment Facilitation : Adani Foundation, in partnership with Unnati Portal and Adani Solar, mobilized and counseled women and their families, enabling them to confidently enroll, attend interviews, and secure jobs.
- Empowerment Through Opportunity : Women from Kutch began working in formal roles, gaining financial independence, self-confidence, and inspiring broader community acceptance of female workforce participation.

Till Now

600+ Female
Joined Adani Solar
@Pan India

459 are from Kutch

76.50%



Rs. 1.8 lakhs/annum
12th pass candidates

Rs. 2.16 lakhs/annum
Graduate candidates

Creating Opportunities for Women

Mobilization and Counseling

Parental Engagement

Travel Assistance

Interview Support

Trees & Fodder: Growing Green, Sustaining Life

Objectives

- Promote environmental conservation through afforestation and land restoration
- Support rural livelihoods by strength hening agricultural sustainability
- Foster community participation in ecological development
- Monitor and enhance the effectiveness of green initiatives

17 Adani Van Sites

1.22 Lacs Tress Planted

16 Villages

Estimated increase in green cover (area or 58 acres)

Activities

- **Tree Plantation Drive**: Identified suitable locations for afforestation and community greening
- **Fodder Support Initiative**: Provided regular fodder supply at all core villages, Ensured livestock health and supported sustainable farming practices
- **Sustainability** : Engaged with local communities to align conservation goals. fostering long-term environmental stewardship and rural empowerment.

Impact

- **Ecological Balance**: Increased green cover and biodiversity in targeted villages
- **Agricultural Sustainability**: Improved fodder availability boosted livestock productivity and farmer income
- **Community Empowerment**: Strengthened local ownership of environmental projects
- **Long-Term Resilience**: Enhanced environmental awareness and stewardship across rural areas

Swawlamban

Objectives

- **Enable Access to Government Schemes :** Facilitate awareness, documentation, and enrollment for Divyang individuals in welfare programs.
- **Promote Educational & Career Readiness:** Provide study kits, guidance, and resources for competitive exam preparation and job opportunities.
- **Enhance Mobility & Daily Living** Support with medical certificates, bus passes, and assistive equipment to improve independence and quality of life.

Divyang Support & Scheme Facilitation

Activities

- Conducted awareness drives and assisted with document verification to help Divyang beneficiaries enroll in government schemes.
- Facilitated access to welfare programs like Sant Surdas and marriage assistance, along with issuing medical certificates and bus passes for improved mobility.
- Provided exam preparation kits and assistive equipment, while celebrating Divyang Day through job placements and recognition.
- Implemented the **Swavlamban Project** to promote self-reliance and skill development among differently-abled individuals.

Impact

- Social Inclusion & Dignity Divyang individuals gained access to entitlements, boosting confidence and community participation.
- Improved Livelihood Opportunities Job placements and exam support opened pathways for financial independence and career growth.
- Strengthened Rural Outreach Village-level engagement ensured that even remote beneficiaries received timely support and recognition.

Swawlamban : Divyang Support & Scheme Facilitation

- Government Scheme Facilitation: Divyang individuals supported with medical certificates, bus passes, Sant Surdas benefits, and marriage assistance through documentation and enrollment help.
- Empowerment & Inclusion: Provided competitive exam kits, assistive equipment, and job placement support, fostering self-reliance and social dignity under the Swavlamban Project.

Activity	
Job Fair	105
Sawavlaban IG Support	92
AF Equpment Support	177
Competitive exam	62
AF Neo motion EV	48
Total	484

Scheme Detail	Gov. Support Rs/Month.	Total Beneficiaries	Total Amount per Month (INR) last 4 year
Widow Pension	1250	663	23315100
Bal seva Ayog	2000	49	3430000
Divyang pension	1000	62	759000
Niradhar Pension	1000	126	3755000
Palak Mata Pita	3000	5	696000
Bus pas	Free ST	515	-
Divyang Govt sadhan sahay	8000	175	1400000
Divyang certificate	0	573	-
Total		2168	31955100

Fisherfolk Community

Empowering Fisherfolk Community

Objective

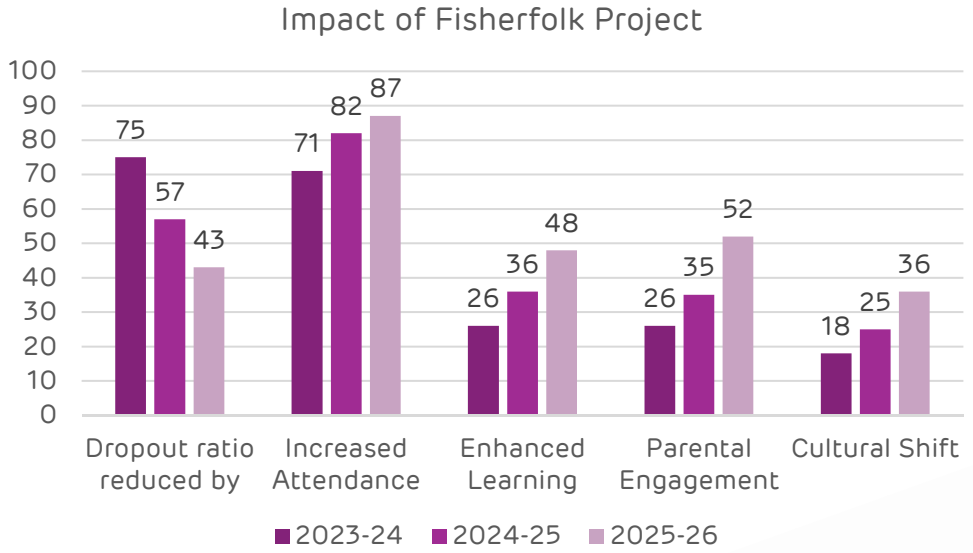
- To empower the fisherfolk community by improving access to education, creating employment opportunities for youth, and providing essential facilities that support long-term development and social upliftment.

Activity

- Distributed education kits to HSC and graduation-level students, including notebooks, guides, stationery, and study bags.
- Facilitated job opportunities and skill development for youth through community engagement and support programs.
- Provided daily transportation for 86 school-going children to ensure consistent access to education.
- Awarded scholarships totaling ₹3,58,765 to 34 students for higher secondary and technical education.

Impact

- Increased school attendance and reduced dropout rates among fisherfolk children.
- Enabled financially challenged students to continue higher education without barriers.
- Strengthened youth empowerment and community resilience through education and employment support.



Empowering Fisherfolk Community

Job initiatives:

Acting as a bridge between industries and fisherfolk youth, the Adani Foundation facilitated job placements for 30 fisherfolk as RTG operators, in the HR department, and as supervisors in APSEZ companies.

In the APSEZ area and colony, 45 fisherfolk youth have been offered professional painting roles. To ensure they are skilled for the role, they underwent comprehensive training in partnership with Asian Paints.

This initiative has enhanced their livelihoods and provided sustainable employment opportunities.

Vashat Nameada	Population	Water Quantity
Luni Bandar	384 (116 HH)	17.5 kl
Bavdi Bandar	535 (107 HH)	20 kl

Potable water Distribution:

Providing access of potable Drinking water Facilities to Nine fisherfolk vasahat on Daily bases, either By Water tanker or Linkage with Nearest Gram panchayat.

More than 5000 Fisherfolk Population are getting benefit which impact on their health and well-being.

Community Infrastructure Development Initiative

Objectives

- Enhance rural and coastal infrastructure to improve quality of life
- Strengthen access to sanitation, education, and community spaces
- Promote sustainable development through water conservation and ecological restoration
- Empower communities with better connectivity and public amenities

Activities

- Constructed common gathering sheds, Samajik Vikas Kendras, and community centers
- Built digital libraries and training centers to promote education and skill development
- Developed approach roads, culverts, and entry gates for improved mobility
- Renovated and built Gaushala sheds and Gauchar land for livestock support
- Installed sanitation facilities including toilet blocks and pink toilets in schools
- Deepened ponds, cleaned rivers, and desilted dams for water conservation
- Supported civil works in crematoriums and public spaces
- Restored roads and infrastructure in fisherman settlements and remote areas

Impact

- Improved access to essential services and public spaces for thousands of villagers
- Strengthened rural connectivity, boosting local trade and transport
- Enhanced hygiene and sanitation, especially for women and schoolchildren
- Revived water bodies, improving groundwater levels and agricultural sustainability
- Supported livestock and dairy-based livelihoods through Gaushala infrastructure
- Fostered digital literacy and community learning through educational facilities
- Promoted inclusive development and social cohesion across multiple villages
- Enabled long-term resilience and environmental stewardship in underserved regions

Community Infrastructure Development Initiative

3
Pond deepening

4
Digital Library

9
Common gathering Shed

2
Gaushala Development

25
RRWHS

2
Community Center

2
Check dam strengthening

24 Km.
Restrength-ening of Approach Road

AGEL KHAVDA

Education – Project Utthan:

- Supported **12 high schools** in Khavda through the Utthan initiative, expanding coverage to the entire region.
- Deployed **Utthan Sahayaks** to strengthen core subjects like Maths, Science, and English.
- Engaged **Community Mobilizers** to promote school enrollment and retention, especially for girls.
- Conducted **scholastic and co-scholastic activities** to enhance academic performance and holistic development.
- Visible improvement in student learning outcomes after **three years of continuous educational support**.

1500+
Students benefited

54.49%
Increase in admissions

43.11%
Rise in Girls' admission

Activities	Beneficiaries	No. of Schools
Utthan project in Khavda	**1500+ Students**	**12 High Schools**
Sports and Music Equipment, Library cupboard & books	1000+ students	Supported in 12 High schools and 2 Primary Schools
Education Kit Support (Utthan Notebooks & Bag)	1000+ students	Supported in 12 High schools
Tournament for 12 High school (Badminton & Cricket)	500+ people	12 High schools

Community Health

- **Specialist Healthcare Access:** Deployed expert doctors to Khavda CHC and conducted multi-specialist health camps in remote villages, ensuring regular consultations and treatment.
- **Maternal Health Support:** Facilitated safe transportation and medical care for 166 pregnant women from border villages, improving maternal outcomes.
- **Community Impact:** Over **5,000 patients** benefited from specialist services and **900+ villagers** received direct care through outreach camps.

42
Villages benefited

5,187
villagers benefited by medical services

Adani Arogya Karyakram Khavda CHC OPD:					
Gynec.	Pedia.	Ortho	General	Optho.	Total
1402	2078	257	344	973	5054

Specialty Health Camp in Khavda Villages:						
Gynec.	Pedia.	General	Ortho	Optho.	ANC Women	Total
214	238	246	95	74	66	653

Women Empowerment:

- Formed **9 SHGs** and enrolled **95 women** into the Khavda Mahila Vikas Sangathan, promoting savings and financial inclusion.
- Conducted **85 SHG meetings** and **24 business sessions** to build entrepreneurial skills and livelihood awareness.
- Reached **610 women** through empowerment activities, strengthening leadership, financial literacy, and community bonds.

CID – Water Conservation

- Constructed 13 rainwater harvesting ponds to store monsoon water for community and wildlife use.
- Installed 6 drinking water wells in remote villages to improve daily access to clean water.
- Enhanced public health and sanitation by providing reliable water infrastructure in underserved areas.

Climate Action:

- Created Adani Van by planting 2,000 trees, boosting green cover in Khavda.
- Promoted environmental sustainability and climate resilience through afforestation efforts.
- Engaged school children in plantation care, fostering ecological awareness and community participation.

AGEL Dayapar

Water Conservation

- Planned **expansion and deepening of 9 village ponds** to increase rainwater retention and storage.
- Held **consultative meetings with local communities** to finalize pond locations and encourage grassroots involvement.
- Aimed at **enhancing groundwater levels** and ensuring reliable water supply for farming and livestock needs.

SLD – Kamdhenu:

- Awareness meetings on modern dairy farming in villages, engaging local cattle owners.
- Organized vaccination camps across villages, covering 1,647 animals (1,410 camels + 237 cattle).
- Improved livestock health and productivity by reducing disease risk and promoting sustainable care practices.

Community Health:

- General health camps in five villages, reaching underserved rural populations.
- Conducted student health check-ups at Dumra during AGEL Foundation Day.
- Partnered with ICDS teams for women and child health awareness sessions.
- Provided follow-up care for Neo Motion wheelchair beneficiaries to enhance mobility.
- Ensured referrals and community engagement, with 9 patients sent to GKGH Bhuj and active participation from local leaders.

Benefited **923** with direct healthcare services.

SLD

- Initiated Adani Van with MOU signing, aiming to create a model for inclusive community development.
- Celebrated 29th Foundation Day with a Mega Volunteering Program, engaging 50+ employees and 560 students in health, safety, and environmental activities.

Education

- Distributed 620 school kits and organized experiential learning activities during AGEL Foundation Day, benefiting 560 students.
- Laid the foundation stone for a Nature Class cum Open Theatre, promoting outdoor learning and environmental awareness.

AKBPTL Tuna

Education : Utthan

Introduction

- Adani Foundation signed an MoU with DPEO to implement **Project Utthan** in **5 primary schools** across Anjar taluka, including Tuna and nearby villages.

Activities

- Appointed **Utthan Sahayaks**, supported **1339 students**, and ran **competitive coaching** and **English sessions**.
- Conducted **library activities**, **mothers' meetings**, and **home visits** to boost learning and parental involvement.
- Celebrated key days like **Teachers' Day** and **Hindi Diwas** to promote inclusive education.

Impact

- Identified **350 progressive learners**; **50 students mainstreamed**.
- Issued **7500+ books** and engaged **1500+ mothers** in academic support.
- Strengthened **government schools** through personalized learning and community participation.

Health

- Organized **general health camps** at Vira and Rampar villages, benefiting **344 patients** through early disease detection and basic treatment.
- Raised **awareness on hygiene, nutrition, and lifestyle diseases**, improving health literacy in underserved communities.
- Conducted **multi-specialty health camps** in Tuna CSR villages, offering gynecology, pediatrics, and eye care services to **244+ patients**.
- Referred **6 patients** to GKGH Bhuj for advanced care, ensuring timely diagnosis and improved healthcare access.

Awareness sessions

- Conducted health and hygiene awareness sessions across Mundra Block primary schools, engaging 247+ students and teachers.
- Promoted daily hygiene practices and healthy lifestyle habits to prevent infections and boost overall well-being.
- Completed health screenings for 240 students, supporting early detection and timely care.

Climate Action:

- 2 ponds deepening in Rampar Tuna to enhance water retention and support groundwater recharge.
- Developed “Adani Van” green zone with tree plantation, promoting biodiversity and ecological balance.
- Installed drip irrigation and fencing to ensure sustainable growth and protection of the plantation.

Adani Skills & Education

Education

Vision

- Empower youth with future-ready skills by bridging education and employability gaps, fostering sustainable development and local job creation.

Mission

- Deliver industry-relevant training through finishing schools.
- Collaborate with communities and industries for inclusive employment.
- Boost regional growth by aligning skills with local job markets.

Objectives

- Set up a Finishing School in Mundra Sitre for advanced sectoral training.
- Launch hands-on skill development projects.
- Organize job drives and community outreach.
- Partner with Unnati Life for localized career support.
- Encourage entrepreneurship and vocational education.

Challenges Addressed

- Academic qualifications without practical skills.
- Limited industry exposure and job readiness.
- Education-employment disconnect causing underemployment and migration.

- **45 Job drives**
- **4,500 Youth participated in the interview process.**
- **Over 1,200 candidates were successfully selected.**

Adani skills & Education

Skills

Vision

- To empower women through skill development, enabling financial independence and fostering community growth.

Mission

- To provide high-quality, hands-on training in traditional and modern vocations such as beauty therapy, mud work, dori work, artisan card making, and moti work—equipping women with the tools to start their own businesses.

Objectives

- Deliver specialized training programs through Adani Foundation.
- Promote self-employment and entrepreneurship among women.
- Preserve and enhance local crafts and skills.
- Create sustainable livelihood opportunities within the community.

Training	Numbers of women
Beauty therapy	80
Mud Work	40
Dori Work	32
Artisan card making	68
Moti work	10

Event

Under the “Swavalamban” program, 50 differently-abled individuals were empowered with self-employment resources and electric wheelchairs, promoting independence and dignity. The initiative inspired enthusiasm and hope, guided by the spirit of Seva Hi Sadhana, and reinforced Adani Foundation’s commitment to inclusive development.

Adani Foundation organized an exam prep camp at GIMS Bhuj for 62 Divyang candidates in Kutch, offering study kits and expert guidance. The initiative promotes equal opportunity and self-reliance, reflecting the Foundation’s commitment to inclusive development.

Event

Adani Foundation organized a medical camp during Navratri to support pilgrims walking to Mata no Madh. With doctors, medicines, and emergency transport, the initiative ensured health and safety while honoring cultural devotion. The camp not only provided essential medical care but also strengthened community trust through compassionate service and cultural alignment.

Adani Foundation inaugurated a new Balvatika at Zarpara School, creating a nurturing early learning space for young children. The initiative benefits 38 girl students, promoting foundational education and inclusive growth. This effort reflects the Foundation's commitment to empowering communities through quality education.

Event

Adani Foundation, extended resource support to 50 women entrepreneurs from 5 SHGs. The initiative aimed to strengthen their entrepreneurial journey by providing essential tools, training, and opportunities —empowering women toward sustainable livelihoods.

Adani Foundation celebrated Foundation Day with JNV Dumra students through a series of impactful activities, including tree plantation, environmental awareness sessions, safety training, and health check-ups. The initiative aimed to foster ecological responsibility, personal well-being, and community engagement among young learners.

Event

Adani Foundation employees actively participated in the Employee Volunteering Program, contributing to the distribution of nutrition kits at GK General Hospital. This initiative reflects their commitment to community welfare and promoting better health outcomes.

At Bhujpur, over 50 women received training in parlor services, empowering them to start and manage their own small businesses. Many participated during vacations or spare time to enhance their skills and boost self-employment opportunities. This initiative promotes economic independence and skill development among rural women.

Event

To support higher education among students from the fishing communities of Mundra and Mandvi talukas, Adani Foundation distributes educational kits annually. This year, over 80 children benefited from the initiative, which also included transportation arrangements to ensure better access to learning resources.

The renovation of Mamal Sagar near Bhujpur has enabled water storage of over 22,500 CUM, significantly benefiting more than 50 farms in the area. This initiative has also led to a notable improvement in groundwater levels, supporting sustainable agriculture and local water security.

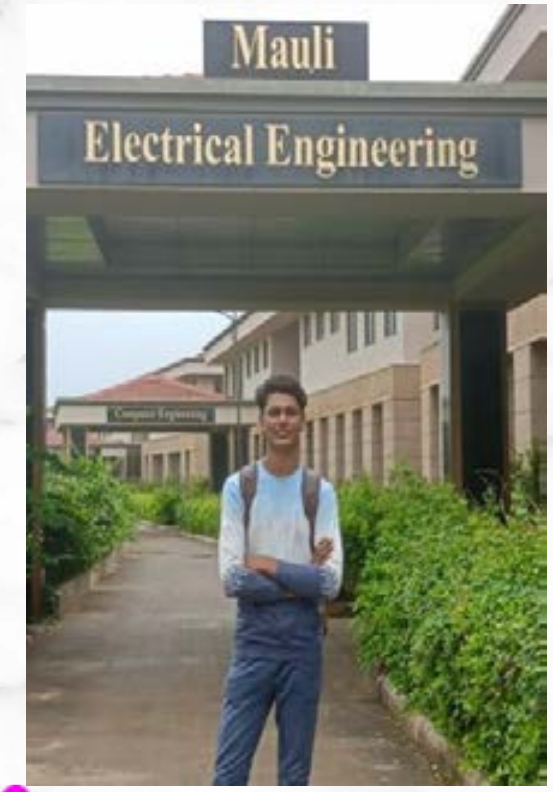
Event

A 2-kilometer stretch of road in the Deshalpar (Kanthi) farm area was cleaned and treated with GSB, significantly improving local transportation. This development benefits orchard residents by easing school commutes for children and facilitating smoother market access for farmers to transport their produce.

In the villages of Tragadi and Modhva, a community shed was constructed to support the local fishing community. This facility will serve as a valuable space for social gatherings, events, and collective activities, benefiting all residents in the area.

STORIES

Empowering Dreams— From the Tides to Triumph



Hasan Kadar's journey began in the fishing village of Tragadi, where his family's daily life was shaped by the rhythms of the sea. Although the expectation was for him to follow the family tradition, Hasan dreamed of something greater—a career in engineering that would allow him to chart his own course.

He attended primary school in Tragadi and later completed high school in Nana Bhadiya, demonstrating an unwavering thirst for knowledge. However, the financial realities of his family's situation threatened to halt his studies after graduation. Hasan understood well that achieving ambitious goals often requires either substantial resources or a fortunate break.

At a time when his future looked uncertain, the Adani Foundation extended a helping hand. Their financial support enabled Hasan to enroll in a diploma program in electrical engineering, where he threw himself into his studies and excelled academically.

Today, Hasan is not only advancing in his profession but also serves as an inspiration to those around him.

"Today, Hasan stands as a successful engineer.He wholeheartedly acknowledges the pivotal role played by the Adani Foundation in his journey, expressing, "Dreaming of something and achieving it are separated by a vast distance. For me, my dream of becoming an engineer felt unattainable. But the Adani family appeared as a blessing, turning my dream into reality.

STORIES

A Journey of Grit and Gratitude: Najir's Remarkable Achievement

Najir Manjaliya, a bright student from the fishing village of Bhadreshwar in Kutch, overcame financial challenges to pursue his dream of education. In 2023, he joined Adani Vidya Mandir Bhadreshwar in Class IX and quickly adapted to its disciplined and nurturing environment. With unwavering dedication and support from his teachers, Najir excelled academically and scored an impressive 93.33% in his Class X SSC Board Examination. Grateful for the guidance he received, Najir now aspires to become an IAS officer, embodying the transformative power of education and perseverance.

STORIES

Perseverance Enabled through Adani Foundation Support

Gafurbhai Luhar, born in 1973 in Motikhakhar village in Gujarat's Mundra taluka, experienced paralysis in both legs at the age of five due to illness and complications from medical treatment. Despite living with a 65% disability, he continued his education with the assistance of his father, completing up to the seventh standard.

Following the passing of his parents, Gafurbhai resided with his elder brother but sought independence by selling vegetables locally. He was provided a three-wheeled cycle by the Adani Foundation; however, challenging road conditions and the 400-meter distance to his shop presented significant mobility barriers. Seasonal changes further exacerbated these difficulties.

Upon sharing his challenges with an Adani Foundation representative, Gafurbhai was subsequently provided with an electric wheelchair. This assistance greatly improved his mobility, enabling him to travel between his home and his shop efficiently, and participate in community activities independently. He acknowledges the support received from the Adani Foundation in enhancing his quality of life and appreciates their responsiveness to his situation.

STORIES

Journey of Healing and Resilience:

Tirthavandan Maharaj Saheb, a 50-year-old ascetic recognized for his disciplined and spiritual way of life, resided within a family comprising four brothers and two sisters. Notably, his younger brother, aged 19, had also committed to an ascetic lifestyle. Despite his dedication, Maharaj Saheb encountered significant health challenges that tested his resilience.
Approximately one year ago, Maharaj Saheb underwent a routine hernia repair in Mumbai. Unexpectedly, he experienced severe postoperative pain at the surgical site, which resulted in six months of immobility and substantial limitations in walking and daily activities. Seeking further evaluation, he traveled to Surat, where an MRI identified post-operative neuritis of the inguinal nerves, considered responsible for his persistent symptoms.
Upon his arrival at Adani Hospital in Mundra, Maharaj Saheb was welcomed by a compassionate team of healthcare professionals who provided thorough and attentive care. The treatment plan, carefully tailored to his unique needs, included advanced pain management, physiotherapy, and ongoing support to address his post-operative complications. Over the course of his stay, Maharaj Saheb gradually regained strength and mobility, which marked a significant turnaround from his previous state of immobility.
With the support of hospital staff, Maharaj Saheb made a strong recovery and can now walk and engage in daily spiritual practices. He expressed deep gratitude to the Adani Foundation.

STORIES

An Initiative by the Adani Foundation

The Tejasvi Saheli Group, established in 2017 under the aegis of the Adani Foundation, serves as a notable example of community-driven women empowerment. The group originated in Baroi village with 12 women who, post-tailoring training at the Adani Skill Development Centre, sought to achieve economic independence.

With Adani foundational support and resources the Tejasvi Saheli Group started manufacturing school bags and clothing, steadily expanding their market to nearby towns like Bhuj and Anjar. Demonstrating adaptability, the group quickly pivoted during the COVID-19 pandemic to manufacture masks for a government contract, ensuring ongoing income while serving public health needs. Their entrepreneurial evolution continued in 2021 as they diversified into handicrafts, formed strategic partnerships, and participated in exhibitions, which significantly boosted their monthly earnings.

By 2024, the group had grown to 17 members, acquired additional equipment, opened a dedicated center, and secured major orders for designer Navratri attire, resulting in members earning between ₹13,000 and ₹14,000 monthly.

Till the date cumulative earnings of the Group stand at ₹44,96,600 This journey exemplifies how targeted support, skill development, and market responsiveness can drive sustainable economic empowerment for women within a community.

STORIES

"Empowering Independence

Alarkhiya Jusab, aged 48, is a resident of Mota Paiya village of Khavda Taluka. Born with a disability affecting both legs, has relied on manual mobility since childhood. Following the loss of their father, daily responsibilities and challenges increased his Struggle significantly.

After his elder brother's marriage and subsequent relocation, he became solely responsible for the care of his elderly mother and household tasks. To support the family, he rented a small cabin in Khavda from a local village leader and stocked it with essential goods to earn an income. Despite these efforts, substantial obstacles remained, faced difficulties to returning home due to the distance of the bus stop and frequent refusal by passing vehicles to provide transportation,

Previously, traversing the village manually had subjected Alarkhiya to ridicule. Upon learning of his Struggle , we contact and assessed and support a battery-operated vehicle which has paly pivotal role to improve his quality of life.

Now, he is able to commute daily with ease and provide enhanced care for his mother. This case highlights the transformative role of focused community support and accessible technology in promoting independence, dignity, and improved well-being.

Honorable Governor of Gujarat Visited Mundra Solar Pvt Limited – Female Technical Solar Associate

Handing over Process by Honorable Governor of Gujarat at Bhopa Wandh Solar Village

Bhoomi Pujan for Gaushala and Adani Van in Wanki, a Library in Beraja, and a Library cum Education Center in Mota Bhadiya. Additionally, the pond beautification and deepening work was initiated in Kandagra.

Appreciation letter from important stakeholder(s)

શ્રી મુરલીધર ગૌસેવા ટ્રસ્ટ

સન્માન પત્ર

દાતા સન્માન સમારંભ – ૨૦૨૫

અદાણી ફાઉન્ડેશન

સુકા ચારાના સહયોગ

આપના આભારી...

શ્રી મુરલીધર ગૌસેવા ટ્રસ્ટ–ગુંદાલા

॥ વેદ વિના મતિ નહી,
ગાય વિના ગતિ નહી ॥

શ્રી સમાધોઘા વા.વિ.પ્રા.શાળા નં.-૧

તા.મુંદરા-કચ્છ.

આભારપત્ર

પરમ સ્નેહીશ્રી
અદાણી ફાઉન્ડેશન
મુંદરા.

આભાર પત્ર

આદરણીય પંકતીબેન શાહ

અદાણી ફાઉન્ડેશન, મુંદરા.

જય ભારત સહ સાથે જણાવવાનું કે અદાણી ફાઉન્ડેશન ની સમાજ માટે પ્રેરણારૂપ મહિલા સશક્તિકરણ ની કામગીરી તમે કરી રહ્યા છો તે અમારા માટે પ્રેરણા અને પ્રોત્સાહન આપી રહ્યા છે આપ ના સહકાર અને માર્ગદર્શન હેઠળ શ્રી સમુધ્ધ ફાઉન્ડેશન નાના કપાયા દ્વારા મહિલાઓ તથા બાળકો માટે પ્રવૃત્તિ તેમજ રોજગાર મળી રહે તેવા પ્રયાસો હાથ ધરીએ છીએ શ્રી સમુધ્ધ ફાઉન્ડેશન ના પ્રમુખ હેમાક્ષી ઉદય કુમાર રાણા તરફથી છેલ્લા ત્રણ વર્ષથી આપ ના સહકાર અને માર્ગદર્શન હેઠળ મુન્દ્રા તાલુકાના નાનાકપાયા ગામ ની બહેનો સાથે મળીને રંગોલી તેમજ શાન્તીવન કોમ્પલેક્ષ ખાતે ચાલી રહેલી કુડ સીસ્ટર સે સ્વસહાય જુથ ગ્રુપ દ્વારા બહેનો પોતાની રોજગારી મેળવી રહી છે તે બદલ શ્રી સમુધ્ધ ફાઉન્ડેશન વતી અમે આપના સહયોગ બદલ આભાર વ્યક્ત કરીએ છીએ તેમજ આગળ પણ આપના સહકાર ની અપેક્ષા સહ...

હેમાક્ષી ઉદય કુમાર રાણા તેમજ ટીમ

શ્રી સમુધ્ધ ફાઉન્ડેશન, નાના કપાયા

Appreciation letter from important stakeholder(s)

Annexure – 4

Cost of Environmental Protection Measures

Sr. No.	Activity	Cost incurred (INR in Lacs)			Budgeted Cost (INR in Lacs)
		2023 – 24	2024 – 25	2025 – 26 (till Sept.'25)	2025 – 26
1.	Environmental Study / Audit and Consultancy	22.67	40.46	37.39	45.2
2.	Legal & Statutory Expenses	8.60	17.37	10.55	13
3.	Environmental Monitoring Services	13.37	17.27	8.73	20.46
4.	Hazardous / Non-Hazardous Waste Management & Disposal	130.11	122.46	70.95	156.13
5.	Environment Days Celebration and Advertisement / Business development	3.42	1.85	1.76	4.5
6.	Treatment and Disposal of Bio-Medical Waste	2.28	2.39	1.26	2.4
7.	Mangrove Plantation, Monitoring & Conservation	15	0	---	---
8.	Other Horticulture Expenses	904	570	175	655
9.	O&M of Sewage Treatment Plant and Effluent Treatment Plant (including STP, ETP of Port & SEZ & Common Effluent Treatment Plant)	186.94	164.31	117.47	227.69
10.	Expenditure of Environment Dept. (Apart from above head)	80.39	93.40	40.32	49.41
	Total	**1366.78**	**1029.51**	**463.43**	**1173.79**